

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

TITLE: EXPERIENTIAL TEACHING – LEARNING METHODS

Name of the Subject: Digital Fluency

Date: 20th September 2023

Time: 10 am to 3pm

Venue: ID Fresh Food Pvt Ltd, Kasaba Hobli
Atibele, Anekal, Karnataka 562107

Target Audience: III SEM BBA 2022 Batch

Faculty: Prof Rajani Singh

Objectives of the programme

- To understand State of the Art technology at ID Factory
- Learn about the ERP system and Cloud Computing
- To Learn how IT applications are helping their Supply Chain Process.
- Collaborate Effectively in Group Settings

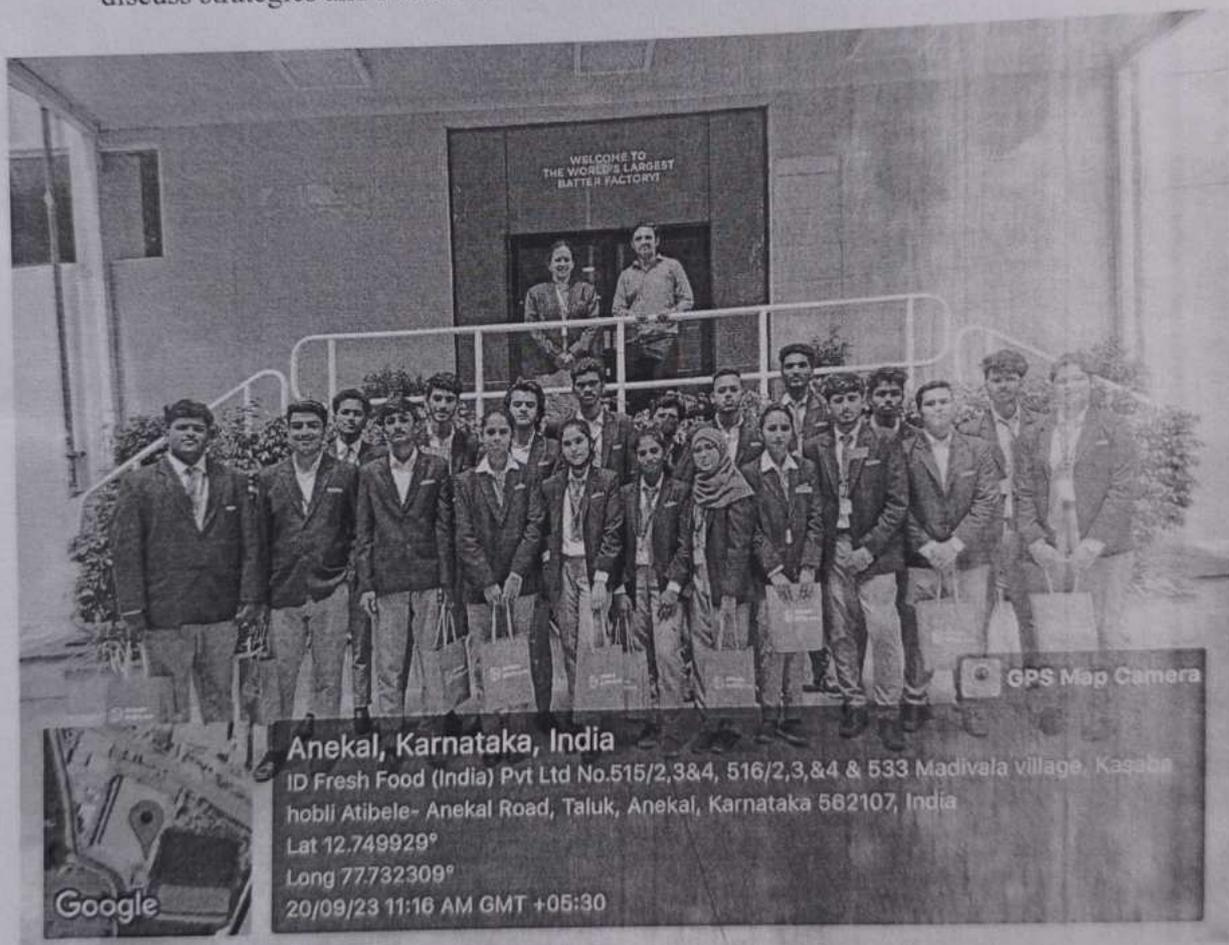
Report

The group started understanding the application of technology at the IT Factory. Students successfully met the objectives of the visit, gaining a deeper understanding of various technologies such as Artificial Intelligence, Cloud Computing and IOT. The application of IT in their various business process were well explained. Use of "State of the art Technologies" for accurate estimation of demand, sales team used SAP-based software "BIZOM" which worked on real-time data. This mobile app helped the company to keep track of the sales pattern in each store and to maintain zero inventory model- almost 90% of the products were sold on the same day. Latest technologies to improve operational efficiencies and during 2015-18, the company spent around INR 20 Million on technology, which included machinery and other software like "Geofencing" (Himanshu Kakkar, 2017). Geofencing is a software using GPS

technologies, which helped iD to track its supplies, ensured that supplies reach on time and finally controlled the wastage.

Outcome

- Students will be able to understand technology better which they are studying in Digital Fluency.
- Students will demonstrate their ability to apply the concepts by accurately understanding how IOT and AI is streamlining the business process.
- Students will enhance their teamwork skills by collaborating within their groups to discuss strategies and share ideas.





GPS Map Camera

Bengaluru, Karnataka, India
230, Meganahalli, Kalyan Nagar, Bengaluru, Karnataka 560043, India
Lat 13.029894°
Long 77.635515°
20/09/23 07:28 AM GMT +05:30



Google



GPS Map Camera

Anekal, Karnataka, India
ID Fresh Food (India) Pvt Ltd No.515/2,3&4, 516/2,3,&4 & 533 Madivala village, Kasaba
hobli Atibele- Anekal Road, Taluk, Anekal, Karnataka 562107, India
Lat 12.749928°
Long 77.732311°
20/09/23 11:09 AM GMT +05:30



Google



Rajani Singh
Prof Rajani Singh
Faculty BBA

[Signature]
Head
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43



[Signature]
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BANGALORE-43

INDIAN ACADEMY

Degree College - Autonomous

Attendance for Experiential Teaching Learning Methods

VISIT TO ID Factory 20/9/23

Reg. No.	Student Name	Signature
22IABBA001	ADITYA KUMAR SHARMA	
22IABBA002	AISHWARYA J	<i>Aishwarya</i>
22IABBA003	AJAY M	<i>Ajay M.</i>
22IABBA004	ANIRUDH AKHIL N	
22IABBA005	ARMAN SHAW	
22IABBA006	ARSHIYA	<i>Arshiya</i>
22IABBA007	ARWA SARIYA	<i>Arwa</i>
22IABBA008	ASHWINI V	
22IABBA009	AZAREEL HILLER WAHLANG	<i>Azareel</i>
22IABBA010	B SOHIT SIVARAJ	<i>Sohit</i>
22IABBA011	DARSHAN RAJ S	<i>Darshan</i>
22IABBA012	GHARADE SAHIL SHAFFIQ	
22IABBA013	IRFAN PASHA	<i>Irfan Pasha</i>
22IABBA014	J MOHAMMED ZAMEER	
22IABBA015	JENNIFER B	<i>Jessy</i>
22IABBA016	JERSEY A	<i>Jersey</i>
22IABBA017	JISHNU RAGHAVENDRA J	
22IABBA018	JOHN VARSHA	
22IABBA019	JOSHUA S	<i>Joshua S</i>
22IABBA020	KADIRESH J	<i>Kadiresh J</i>
22IABBA021	KIPANGA MAYOMBO EMMANUELLA	<i>Emmanuel</i>
22IABBA022	KIRAN K	
22IABBA023	LIKITH M	<i>Likith</i>
22IABBA024	LUVINA J	
22IABBA025	MANOJ D	
22IABBA026	MEENA M	
22IABBA027	MOHAMMED AMEEN	<i>Mohammed</i>
22IABBA028	MOHAMMED IMAD	<i>Mohammed</i>
22IABBA029	MOHAMMED MUDASER	
22IABBA030	MOHAMMED NABEEL	

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

Title: Business Mathematics Quiz

Name of the Subject: Business Mathematics-M21DC2.3

Date: 19/04/2024

Time: 11.20am -12.15pm

Venue: Class Room 518

Target Audience: II SEM BBA 2023 Batch

Total students present: 39

Faculty: Bhavani Kumari G

Objectives of the programme:

1. To evaluate students' grasp of fundamental mathematical concepts, such as arithmetic, algebra, geometry, and statistics.
2. To identify areas where students excel and areas that require additional focus or remediation.
3. To encourage the application of mathematical reasoning and problem-solving strategies in various contexts.
4. Ensure that students have a solid foundation in essential concepts that will be built upon in future lessons.
5. Motivate students to review and study material in preparation for the quiz, fostering good academic habits.

Report:

Introduction

The Quiz in Mathematics was designed to create a collaborative learning environment where students can support each other in mastering mathematical concepts. Quiz emphasizes active engagement, communication, and teamwork, which are essential for fostering deep understanding and improving academic performance. This report outlines the structure, implementation, and outcomes of the program, highlighting its impact on students' mathematical learning.

The quiz was conducted on 19/4/2024 in Class room No.518. The students were identified and asked the questions related to the topics and they were able to answer within the time limit given to them. It was good learning for the students as they were able to think on the questions.

It was a knowledge improvement for the students and it was an experimental learning.

Outcome:

1. Identify topics or types of questions where students performed particularly well, demonstrating a solid understanding.
2. Analyze specific questions or topics where many students struggled, pointing out concepts that may require additional instruction or review.
3. Engaging students in participating in quiz
4. Assess how well the instructional methods aligned with students' needs based on their performance and understanding.

Propose adjustments to the curriculum or teaching strategies based on the outcomes to enhance future learning experiences.

Conclusion:

The recent mathematics quiz provided valuable insights into student understanding and performance across various mathematical concepts. Overall, the average score of [insert average score] indicates a moderate level of comprehension within the class, with some students demonstrating strong mastery of the material while others faced challenges.

Key strengths identified include proficiency in [mention topics where students excelled, e.g., basic arithmetic, algebra], suggesting effective teaching strategies in these areas. However, the quiz also highlighted specific areas for improvement, particularly in [mention areas of difficulty, e.g., geometry or word problems], where a significant number of students struggled.

Moving forward, it is recommended that targeted review sessions be organized to address these challenges, along with supplementary materials to reinforce understanding. Additionally, the results suggest a need for ongoing assessment and feedback mechanisms to monitor student progress and adapt instruction accordingly.

In conclusion, the quiz not only served as an effective tool for evaluating student knowledge but also provided essential information to guide future teaching strategies and improve overall student performance in mathematics. By addressing the identified weaknesses and building on existing strengths, we can foster a deeper understanding of mathematical concepts and enhance student engagement in the subject.

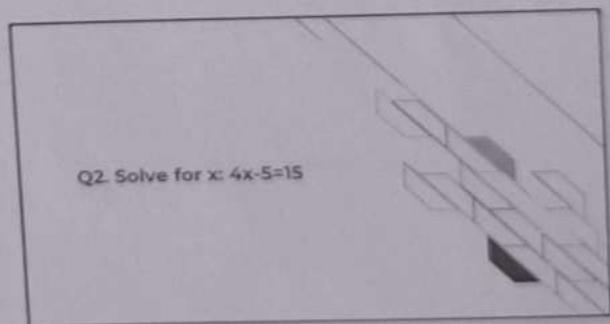
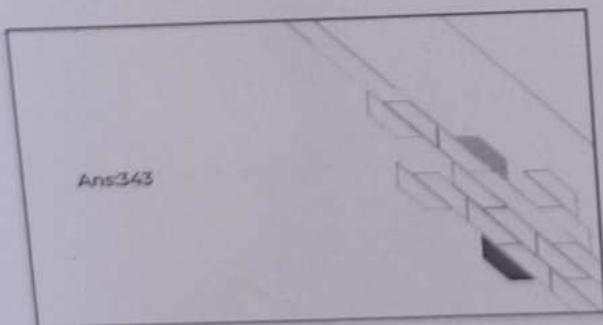
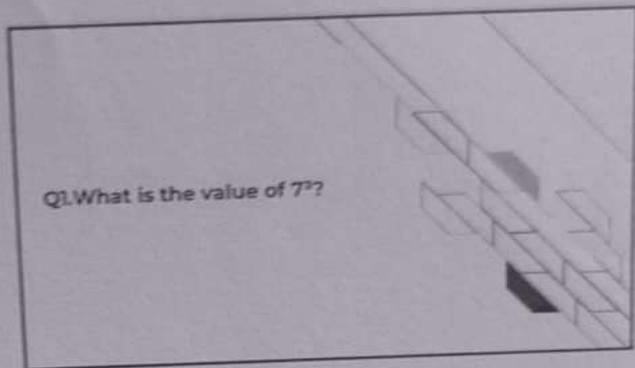
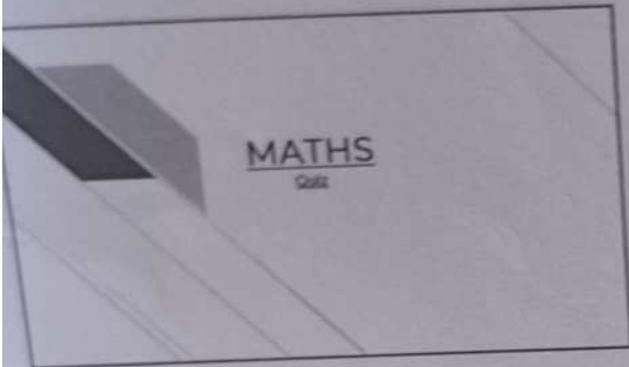
Bhaskar
19/4/2024
Signature of the Faculty

Quint
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BANGALORE-43

Med
HOD
Head
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43

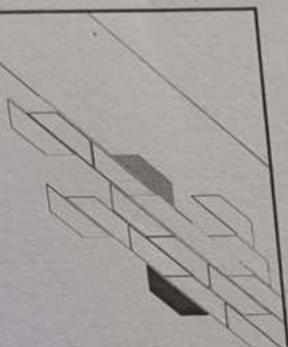


29-09-2024

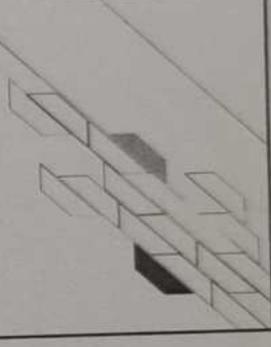


29-09-2024

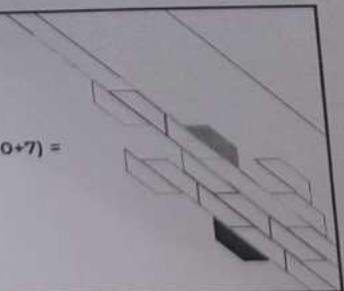
Ans: $x=5$



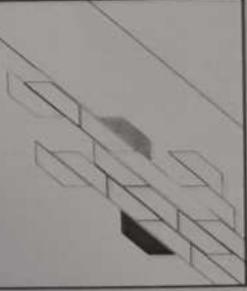
Q3. What is the perimeter of a rectangle with length 10 cm and width 7 cm?



Ans: Perimeter = $2 \times (10+7) = 34\text{cm}$



4Q. Simplify the expression:
 $5(2x+3) = ?$



29/10/2024

Ans: $10x+15$

5Q. Find the least common multiple (LCM) of 12 and 15?

Ans: LCM= 60

6Q. What is the slope of the line passing through the points (1,2) and (3,6)?

25-09-2024

Ans: Slope = $6 - 2 \div 3 - 1 = 2$

7Q. Find the value of $\sqrt{169}$?

Ans: 13

8Q. If a car travels 240 kilometers in 3 hours, what is its average speed?

29-10-2024

Ans: Average speed = $240 \div 3$
= 80km/hr

9Q. If a triangle has sides of
3 cm, 4 cm and 5 cm. What
type of triangle is it?

Ans: Right-angled triangle
(pythagorean and theorem)

10Q. Simplify $4(2x+3)$?

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF BUSINESS ADMINISTRATION

II sem BBA A - Batch 2023

Business Mathematics Quiz-19/04/2024

Register Number	Name of the student	Signature
23IABBA001	BENNY A	Benny
23IABBA002	ABHINAYA R	Abhinaya R
23IABBA003	ABHISHA B	Abhisha B
23IABBA004	ABHISHEK C	Abhishek C
23IABBA005	AFRID ULLA KHAN	Afrid Ulla Khan
23IABBA006	AHMED SHARIEF	Ahmed Sharief
23IABBA007	AISHWARYA K	Aishwarya K
23IABBA008	AISHWARYA M	Aishwarya M
23IABBA009	AKSHATHA S	Akshatha S
23IABBA010	ANTONY REZON M	Antony Rezon M
23IABBA011	ARBIN BANU	Arbin Banu
23IABBA012	ARHAM ABBAS SAIT	Arham Abbas Sait
23IABBA013	AUGUSTIN BALRAJ	Augustin Balraj
23IABBA014	BHAVANA J	Bhavana J
23IABBA015	BHOOMIKA B	Bhoomika B
23IABBA016	BHOOMIKA SANGAMITHRE M	Bhoomika Sangamithre M
23IABBA017	CHALLA NIDHI KRISHNA	Challa Nidhi Krishna
23IABBA018	D JUDHA JOHONAN	D Judha Johonan
23IABBA019	DILEEPAN R	Dileepan R
23IABBA020	DIVYANKA SHARMA	Divyanka Sharma
23IABBA021	DURGA SHREE P	Durga Shree P
23IABBA022	EMMANUEL C	Emmanuel C
23IABBA023	G RISHI BHAGAVAN	G Rishi Bhagavan
23IABBA024	GEETHANJALI N	Geethanjali N
23IABBA025	GORAKNATH M	Goraknath M
23IABBA026	HUDA QUBEEN	Huda Qubeen
23IABBA027	JIM ELLIOT S	Jim Elliot S
23IABBA028	K PRAJWAL	K Prajwal
23IABBA029	KASHIFA	Kashifa
23IABBA030	KAVYA B	Kavya B
23IABBA031	LAKSHMI PRASAD C R	Lakshmi Prasad C R
23IABBA032	LIGODI MANGANZA DAVID	Ligodi Manganza David
23IABBA033	LINTON RAJESH R	Linton Rajesh R
23IABBA034	M SINDHU	M Sindhu
23IABBA035	MAHALAKSHMI K	Maha Lakshmi K
23IABBA036	MANASRI R	Manasri R
23IABBA037	MANISH C	Manish C
23IABBA038	MELVIN ABISHEK V	Melvin Abishek V
23IABBA039	MIR HAMMAAD HUSSAIN	Mir Hammaad Hussain
23IABBA040	MITHUKULLA THIRUMALA NARAYANA TEJA	Mithukulla Thirumala Narayana Teja
23IABBA041	MOHAMMED ASRAR KHAN	Md. Sahab.
23IABBA042	MOHAMMED EAHAB	Md. Sahab.
23IABBA043	MOHAMMED HARIS	Md. Ismail
23IABBA044	MOHAMMED ISMAIL	Md. Ismail
23IABBA045	MOHAMMED SAQLAIN	Md. Saqlain
23IABBA046	MOHAMMED TANZEEM	Md. Tanzeem

Bharath
Subject Teacher 19/4/2024

Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43



GPS Map Camera

Bengaluru, Karnataka, India
33/34, Chelekare, Kalyan Nagar, Bengaluru,
Karnataka 560043, India
Lat 13.030302° Long 77.635847°
19|04|24 11:26 AM GMT +05:30



Google



GPS Map Camera

Bengaluru, Karnataka, India
620, Defence Ave, Chikkatayappa Reddy Layout, Chelekare,
Kalyan Nagar, Bengaluru, Karnataka 560043, India
Lat 13.026785° Long 77.638738°
19|04|24 11:27 AM GMT +05:30



Google

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

Title: Experiential teaching – learning methods

Name of the Event: Visit to Ramakrishna Ashram, Basavanagudi and State Central Library.

Date : 16-03-2024

Time: 8:00 am to 3:00 pm

Venue : Ramakrishna Ashram and State Central Library

Target Students : II, IV and VI Sem BBA

Faculty : Prof Rajani Singh

Department of Business Administration along with Sri Aurobindo Centre for Education in Human Values organized a visit to Shri Ramakrishna Ashram, Basavanagudi and State Central Library, Cubbon Park for its students 16th March 2024.

Broad Aim of the Event: The aim of the trip is to attend the leadership session at the Ashram and attending value education sessions to the students in the Ashram for the all-round growth of the students.

Objectives:

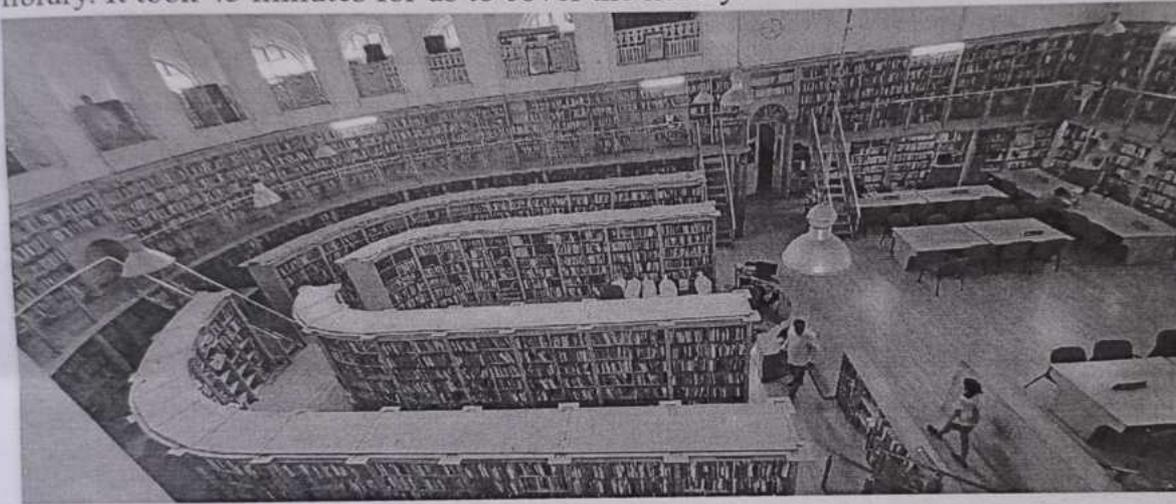
1. To inspire and motivate the students on holistic development.
2. To attend Leadership sessions in the Ashram.
3. To show the historical building of State Central Library.

Outcomes:

1. To comprehend the spiritual route to students.
2. To exhibit the skills required for students to live and render their service to the society.
3. To get into the habit of Visiting public library.

REPORT:

Department of Business Administration and Sri Aurobindo Centre for Education in Human Values had organized a visit to State Central Library at Cubbon Park, and Sri Ramakrishna Math, Basavanagudi on 16th March 2024. Nearly 40 students from different programs of Degree college expressed interest for the trip and were taken for the outbound learning. There were 20 students from BBA Programme. The coordinators of both the wings responsibly took the students first to the State Central Library which is situated in the Historical Building Sir Seshadri Iyer Memorial Hall, Cubbon Park, Bangalore. The building in itself is one of the most legendary and historically significant buildings of Bangalore built in the year 1908. It is a reference library and is open to public only for consultation of documents with in its premises with total number of 3,66,060 collection of Books. Students were elated to see the library. It took 45 minutes for us to cover the library.



GPS Map Camera



Bengaluru, Karnataka, India

Sheshadri Iyer Memorial Hall, Nunegundlapalli, Ambedkar Veedhi, Bengaluru, Karnataka 560001, India

Lat 12.972982°

Long 77.590270°

16/03/24 09:15 AM GMT +05:30



Later the students were taken to Ramakrishna Math, Basavanagudi where Swami Anilayananda had orchestrated entire event for us. On arrival to Ashram refreshments were served and students were taken around the Ashram to see Prayer Hall & Meditation Hall, Holy Mother Sri Sarada Devi's Rock, Vivekananda Mantapa, Swami Vivekananda Statue, Bookstall, Swami Yatishwarananda Kuteer, Vidyarti Mandiram Auditorium. There were two sessions on Leadership by Swami Vireshananda and Shri Dattari Salagame on the topic "Swami Vivekananda's way of Leadership: An intellectual Approach" which had good teachings on Value Education for the students. The entire session was very interesting after which Prasad was served to all and then we made our return journey to College. It was a good spiritual retreat for all of us.





GPS Map Camera



Bengaluru, Karnataka, India

91, Bull Temple Rd, Gavipuram Extn, Gavipuram Extention, Kempegowda Nagar, Bengaluru, Karnataka

560019, India

Lat 12.946997°

Long 77.567494°

16/03/24 12:28 PM GMT +05:30



GPS Map Camera



Bengaluru, Karnataka, India

99-2, Mahantara Lay Out, Kempegowda Nagar, Bengaluru, Karnataka 560019, India

Lat 12.948745°

Long 77.567078°

16/03/24 02:02 PM GMT +05:30



GPS Map Camera



Bengaluru, Karnataka, India
No23, 1st Main Rd, near Ramkrishna Madir, Mahantara Lay Out, Kempegowda Nagar,
Bengaluru, Karnataka 560019, India
Lat 12.948739°
Long 77.566748°
16/03/24 10:51 AM GMT +05:30





Rajani Singh

Prof Rajani Singh
Faculty BBA

[Signature]
HOD
Head

Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43



[Signature]
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Attendance for Experiential Teaching Learning Methods

Reg. No.	Student Name	Signature
231ABBA077	YOUNUS ALI	
221ABBA03	PALLAVI A	Pallavi
221ABBA00	ASHWINI V	Ashwini
221ABBA05	THANUSHREE V	Thanu
221ABBA01	JENNIFER B	Jennifer
221ABBA01	JERSEY A	Jersey
221ABBA01	JISHNU RAGHAVENDRA J	Jishnu
221ABBA01	JOHN VARSHA	SV
211ABBA01	ANNU KUMARI	AK
211ABBA01	ARPITA SHARMA	AS
211ABBA02	ARUN KUMAR K	AK
211ABBA02	ASHA M	AM
211ABBA12	SAMA KHAN	Sama
211ABBA12	SAMEENA TAJ	Saj
211ABBA13	SANDEEP SHARMA	Sharma
211ABBA13	SANDESH THAPPA A	ST
211ABBA13	SANIYA BANU M	Saniya
211ABBA13	SANJANA P	Sanjana
211ABBA13	SANJAY P	Sanjan

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

TITLE OF THE PROGRAM: BUSINESS ENVIRONMENT

TOPIC - BUSINESS ENVIRONMENT QUIZ {EXPERIENCIAL LEARNING}

Category: Knowledge Enhancement/ Skill Development

Date: 06/05/2024

Time: 11.15 AM -12.10 PM

Venue: 604

Name of the program coordinator: Ms. Mary Magadalane. A

Target Audience: II semester – 10 students

OBJECTIVES:

Understand Key Concepts: Assess participants' knowledge of fundamental concepts related to the business environment, such as economic, social, and political factors.

Promote Critical Thinking: Encourage critical thinking by posing scenario-based questions that require thoughtful analysis and decision-making.

REPORT: The Business Environment Quiz was conducted to assess participants' understanding of key concepts influencing business operations, including economic, social, and political factors. Additionally, the quiz aimed to promote critical thinking through scenario-based questions, enabling participants to apply theoretical knowledge to practical situations. This report provides a comprehensive overview of the quiz's objectives, format, participant performance, findings, and recommendations for future iterations.

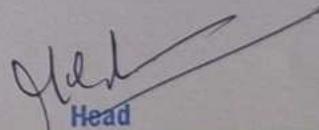
OUTCOME: Participants will demonstrate a solid understanding of fundamental concepts related to the business environment, including economic, social, and political factors. They will also enhance their critical thinking skills by engaging with scenario-

based questions that require thoughtful analysis and decision-making, enabling them to apply theoretical knowledge to practical situations effectively. This dual focus will prepare participants to navigate the complexities of the business landscape confidently.

Conclusion

The Business Environment Quiz successfully assessed participants' knowledge and critical thinking abilities. The high levels of engagement and positive feedback indicate that the quiz met its objectives effectively. By implementing the recommendations outlined in this report, future iterations can further enrich the learning experience and better equip participants to handle real-world business scenarios.

Mary Magadalan



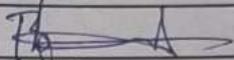
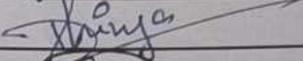
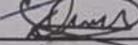
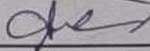
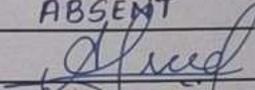
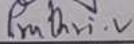
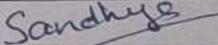
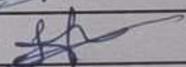
Head

Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43

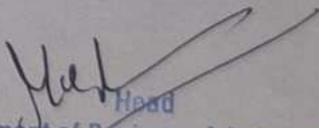
INDIAN ACADEMY

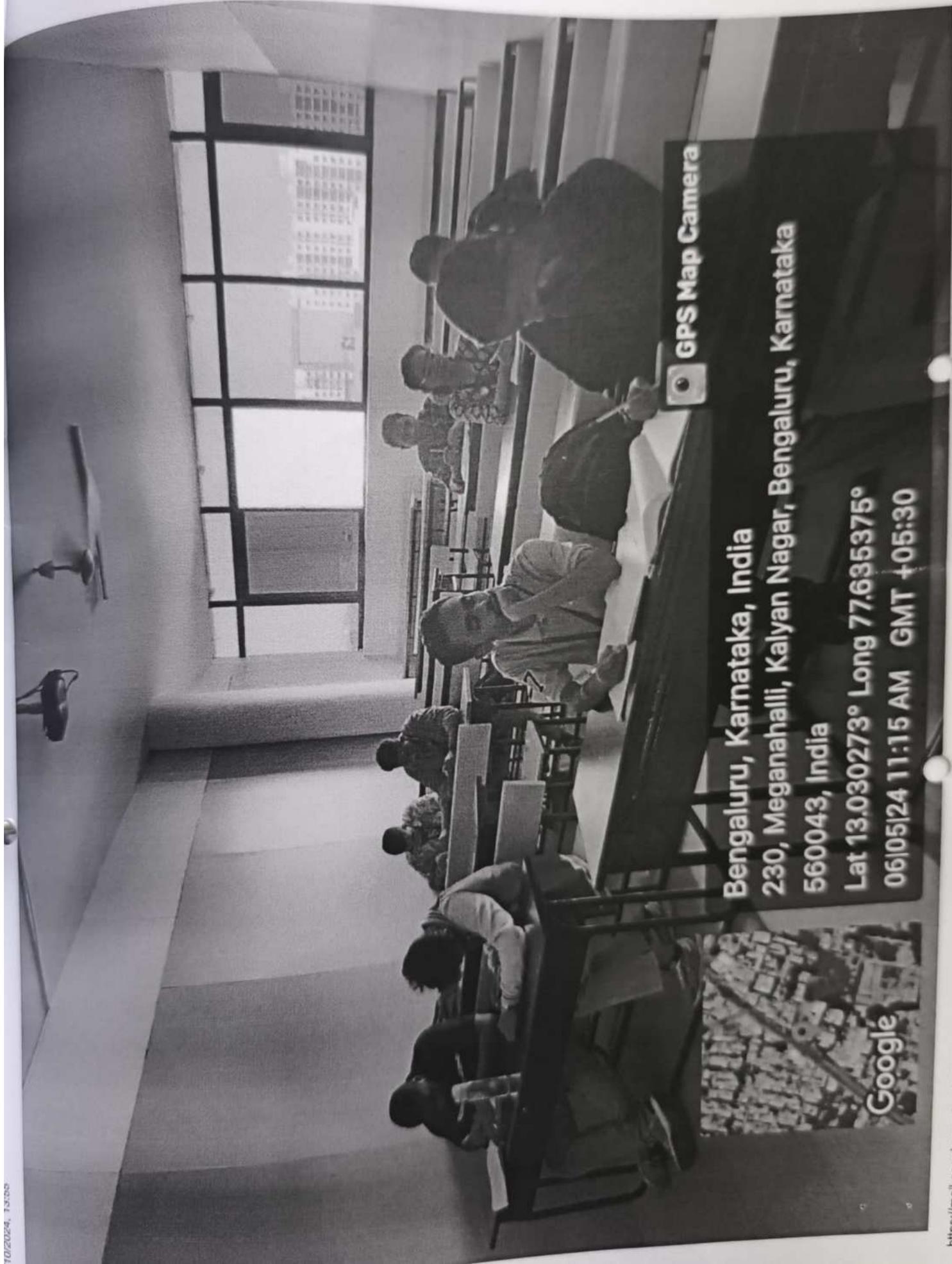
Degree College - Autonomous

Department of Business Administration Business Quiz

Sl. No	Name	Signature
1	AFNAAN AHMED	ABSENT
2	BHARATH N SUTHAR	
3	DIVYA S	
4	DIVYA V	
5	GEDDAM AKSHAY BABU	
6	JOHN ABRAHAM A	ABSENT
7	MOHAMMED AFREED	
8	PRUTHVI V	
9	SANDHYA D	
10	SYED ALI	
11	SYED MOHAMMED HASSAN	
12	TAM PINYA	ABSENT

May Magadalan


Head
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43



GPS Map Camera

Bengaluru, Karnataka, India
230, Meganahalli, Kalyan Nagar, Bengaluru, Karnataka
560043, India
Lat 13.030273° Long 77.635375°
06/05/24 11:15 AM GMT +05:30



INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

TITLE OF THE PROGRAM: PRODUCTION AND OPERATION MANAGEMENT

TOPIC - FIELD WORK {EXPERIENCIAL LEARNING}

Category: Knowledge Enhancement/ Skill Development

Date: 02/05/2024

Time: 9:00am - 3:00pm

Venue: Mysore Sandal Soap Factory

Name of the program coordinator: Ms. Mary Magadalane.A

Target Audience: IV semester - 46 students

OBJECTIVES:

Understanding Production Processes: Observe the step-by-step manufacturing process of sandalwood soap, from raw material sourcing to the final product.

Quality Control Practices: Learn about the quality assurance measures in place to ensure the consistency and quality of the soap.

REPORT:

During our industrial visit to the sandalwood soap factory, we gained invaluable insights into the intricacies of soap production and the broader industry dynamics. The tour began with an overview of the production process, where we observed the meticulous steps involved in transforming raw sandalwood into finished soap. Emphasis was placed on quality control, with strict measures implemented to ensure product consistency and safety. We learned about the sustainable sourcing of sandalwood, which is crucial given the environmental concerns surrounding deforestation. The factory's marketing strategies highlighted the importance of branding and packaging in attracting consumers, particularly in the growing market

for natural products. Additionally, discussions with the management revealed the economic impact of the factory on the local community, including job creation and support for local suppliers. We also explored the regulatory landscape governing cosmetic manufacturing, as well as the factory's efforts in waste management and energy efficiency. Overall, the visit provided a comprehensive understanding of the challenges and opportunities within the sandalwood soap industry, emphasizing the balance between traditional craftsmanship and modern business practices.

OUTCOME:

Our visit to the sandalwood soap factory offered a comprehensive overview of the production process, highlighting the meticulous steps involved in crafting quality soap. We observed the factory's commitment to sustainability through responsible sourcing of sandalwood and strict quality control measures. Insights into marketing strategies emphasized the importance of branding in the natural products market. Additionally, discussions revealed the factory's significant economic impact on the local community through job creation and support for suppliers. Overall, the visit provided valuable perspectives on the challenges and opportunities within the sandalwood soap industry, blending traditional techniques with modern practices.



Arish
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENTONMENT

[Signature]
Head
Department of Business Administration
SCHOOL OF INDIAN ACADEMY
DEGREE COLLEGE
HENNUR MAIN RD

INDIAN ACADEMY

Degree College - Autonomous
Department of Business Administration

IV Sem BBA

STUDENT NAME LIST - INDUSTRIAL VISIT - Date: - 02/05/2024

Reg No.	Names	10:00	12:00	3:00
22IABBA001	ADITYA KUMAR SHARMA	Aditya	Aditya	Aditya
22IABBA002	AISHWARYA J	Aishwarya J	Aishwarya J	Aishwarya J
22IABBA003	AJAY M	Ajay M	Ajay M	Ajay M
22IABBA005	ARMAN SHAW	Arman Shaw	Arman Shaw	Arman Shaw
22IABBA006	ARSHIYA	Arshiya	Arshiya	Arshiya
22IABBA008	ASHWINI V	Ashwini V	Ashwini V	Ashwini V
22IABBA010	B SOHIT SIVARAJ	B Sohit Sivaraj	B Sohit Sivaraj	B Sohit Sivaraj
22IABBA011	DARSHAN RAJ S	Darshan Raj S	Darshan Raj S	Darshan Raj S
22IABBA012	GHARADE SAHIL SHAFFIQ	Gharade Sahil Shaffiq	Gharade Sahil Shaffiq	Gharade Sahil Shaffiq
22IABBA013	IRFAN PASHA	Irfan Pasha	Irfan Pasha	Irfan Pasha
22IABBA014	J MOHAMMED ZAMEER	J Mohammed Zameer	J Mohammed Zameer	J Mohammed Zameer
22IABBA015	JENNIFER B	Jennifer B	Jennifer B	Jennifer B
22IABBA016	JERSEY A	Jersey A	Jersey A	Jersey A
22IABBA017	JISHNU RAGHAVENDRA J	Jishnu Raghavendra J	Jishnu Raghavendra J	Jishnu Raghavendra J
22IABBA019	JOSHUA S	Joshua S	Joshua S	Joshua S
22IABBA020	KADIRESH J	Kadires J	Kadires J	Kadires J
22IABBA021	KIPANGA MAYOMBO EMMANUELLA	Kipanga Mayombo Emaniuela	Kipanga Mayombo Emaniuela	Kipanga Mayombo Emaniuela
22IABBA022	KIRAN K	Kiran K	Kiran K	Kiran K
22IABBA024	LUVINA J	Luvina J	Luvina J	Luvina J
22IABBA026	MEENA M	Meena M	Meena M	Meena M
22IABBA027	MOHAMMED AMEEN	Mohammed Ameen	Mohammed Ameen	Mohammed Ameen
22IABBA028	MOHAMMED IMAD	Mohammed Imad	Mohammed Imad	Mohammed Imad
22IABBA029	MOHAMMED MUDASER	Mohammed Mudaser	Mohammed Mudaser	Mohammed Mudaser
22IABBA030	MOHAMMED NABEEL	Mohammed Nabeel	Mohammed Nabeel	Mohammed Nabeel
22IABBA032	MOHAMMED UMMAR FAROOQ	Mohammed Ummaar Farooq	Mohammed Ummaar Farooq	Mohammed Ummaar Farooq
22IABBA033	NAWAZ PASHA	Nawaz Pasha	Nawaz Pasha	Nawaz Pasha
22IABBA035	NIKHAT FATHIMA S	Nikhath Fathima S	Nikhath Fathima S	Nikhath Fathima S
22IABBA036	P S ASHOKA	P S Ashoka	P S Ashoka	P S Ashoka
22IABBA037	PALLAVI A	Pallavi A	Pallavi A	Pallavi A
22IABBA038	PAVAN ANTONY RAJ	Pavan Antony Raj	Pavan Antony Raj	Pavan Antony Raj
22IABBA039	PRIYA S	Priya S	Priya S	Priya S
22IABBA040	R SAI NIKHIL	R Sai Nikhil	R Sai Nikhil	R Sai Nikhil
22IABBA041	REBANTA BAHADUR RAWAL	Rebanta Bahadur Rawal	Rebanta Bahadur Rawal	Rebanta Bahadur Rawal
22IABBA043	RICHARD PAUL J	Richard Paul J	Richard Paul J	Richard Paul J
22IABBA044	SALMA SULTANA	Salma Sultana	Salma Sultana	Salma Sultana
22IABBA045	SANGEETH JOY	Sangeeth Joy	Sangeeth Joy	Sangeeth Joy
22IABBA046	SANIYA FAIZAN	Saniya Faizan	Saniya Faizan	Saniya Faizan
22IABBA047	SANJAY S	Sanjay S	Sanjay S	Sanjay S
22IABBA048	SAROJ THAPA C	Saroj Thapa C	Saroj Thapa C	Saroj Thapa C
22IABBA053	TABREZ PASHA	Tabrez Pasha	Tabrez Pasha	Tabrez Pasha
22IABBA054	THANUSHREE V	Thanushree V	Thanushree V	Thanushree V
22IABBA055	THULASI RAMAN B	Thulasi Raman B	Thulasi Raman B	Thulasi Raman B
22IABBA059	VIGNESH KUMAR V	Vignesh Kumar V	Vignesh Kumar V	Vignesh Kumar V
22IABBA060	VIJAY KUMAR B	Vijay Kumar B	Vijay Kumar B	Vijay Kumar B
22IABBA061	VINAY S	Vinay S	Vinay S	Vinay S
22IABBA063	YARA SUNIL.	Yara Sunil	Yara Sunil	Yara Sunil

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

Title: Flipped Classroom

Name of the Subject: International Finance

Date: 17th April 2024

Time: 12:15 PM to 1:10 PM

Venue: Class Room no.509

Target Audience: VI SEM BBA 2021 Batch

Faculty: Mohammed Ahmed A

Objectives of the programme

- To enhance Student Engagement
- TO develop Leadership and Communication Skills
- To promote Peer Learning

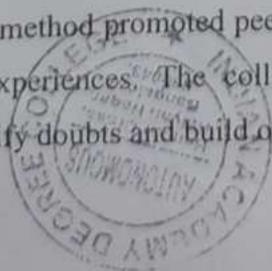
Report

In an effort to innovate teaching practices, a flipped classroom activity was conducted where students took on the role of educators. This approach shifted the traditional dynamic, placing students in the position of leading discussions and presenting material to their peers.

The primary objective was to enhance student engagement by encouraging active participation. By preparing to teach, students were motivated to delve deeper into the subject matter, fostering a sense of ownership over their learning.

Additionally, the activity aimed to develop leadership and communication skills. Students had the opportunity to articulate complex concepts and respond to questions, which significantly boosted their confidence and presentation abilities.

Moreover, this method promoted peer learning, allowing students to learn from one another's insights and experiences. The collaborative environment facilitated discussion, enabling students to clarify doubts and build on each other's knowledge.



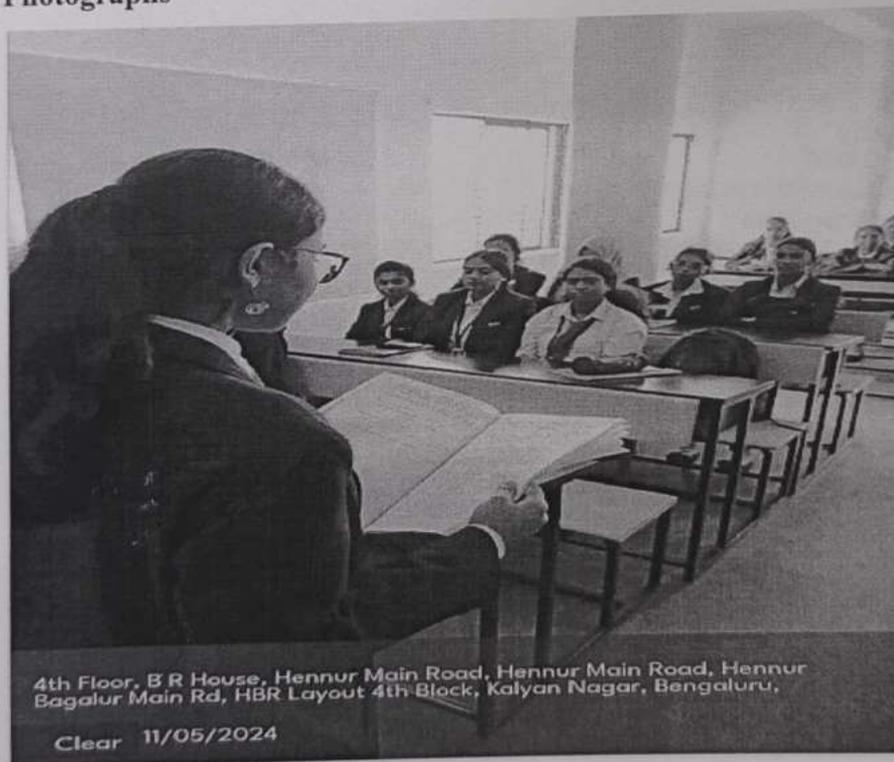
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Overall, the flipped classroom activity was successful in achieving its objectives. Student feedback indicated increased motivation and a stronger understanding of the content. Furthermore, the teamwork exhibited during the presentations highlighted the benefits of collaborative learning, paving the way for future activities that continue to empower students in their educational journey.

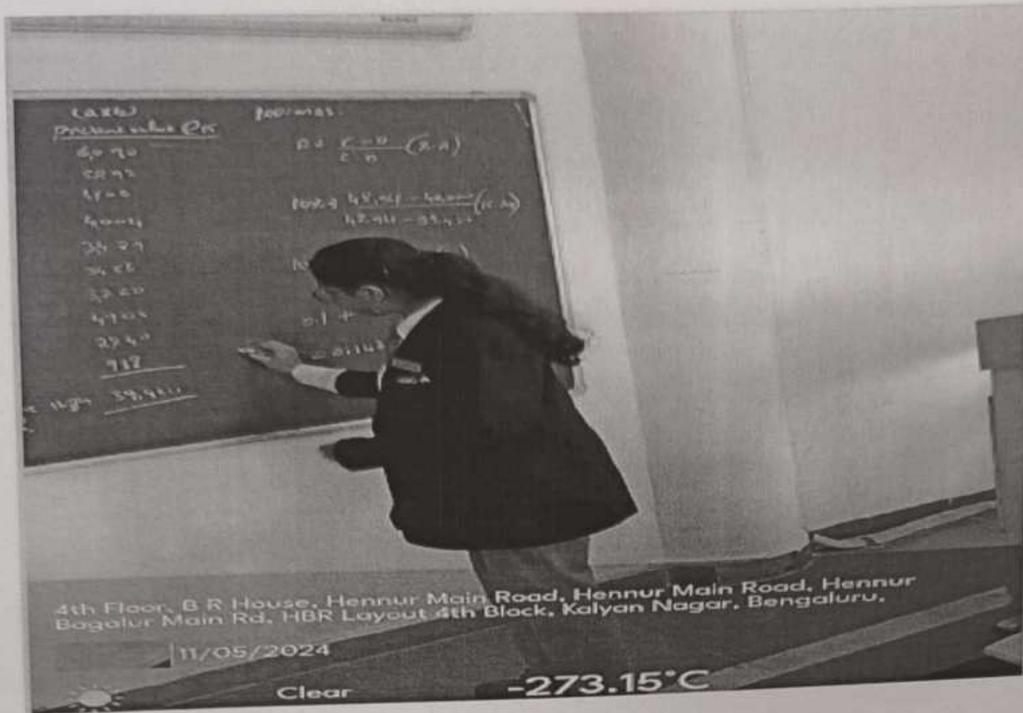
Outcome

- Students demonstrated higher levels of enthusiasm and interest in the subject matter.
- Students showed a deeper grasp of the material as they prepared to teach their peers.
- Students enhanced their ability to work collaboratively, supporting one another in the learning process.

Photographs



Principal
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 56



[Handwritten Signature]

Signature of the Faculty

[Handwritten Signature]
HOD

Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43



[Handwritten Signature]

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BANGALORE-43

INDIAN ACADEMY

Degree College - Autonomous

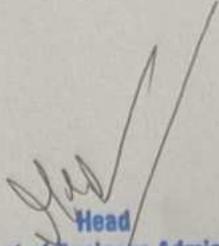
Attendance for problem based learning

Reg. No.	Student Name	Attendance
23IABBA001	A BENNY	P
23IABBA002	ABHINAYA R	P
23IABBA003	ABHISHA B	P
23IABBA005	AFRIDULLA KHAN	P
23IABBA006	AHMED SHARIEF	P
23IABBA007	AISHWARYA K	P
23IABBA008	AISHWARYA M	P
23IABBA009	AKSHATHA S	P
23IABBA010	ANTONY REZON M J	P
23IABBA011	ARBIN BANU	A
23IABBA012	ARHAM ABBAS SAIT	A
23IABBA013	AUGUSTIN BALRAJ	P
23IABBA016	BHOOMIKA SANGAMITHRE M	P
23IABBA018	D JUDHA JOHONAN	P
23IABBA019	DILEEPAN R	P
23IABBA022	EMMANUEL C	P
23IABBA024	GEETHANJALI N	P
23IABBA025	GORAKNATH M	P
23IABBA026	HUDA QUBEEN	P
23IABBA028	K PRAJWAL	P
23IABBA029	KASHIFA	P
23IABBA030	KAVYA B	P
23IABBA031	LAKSHMI PRASAD C R	A
23IABBA032	LIGODI MANGANZA DAVID	P
23IABBA033	LINTON RAJESH R	P
23IABBA034	M SINDHU	P
23IABBA035	MAHALAKSHMI K	A
23IABBA036	MANASRI R	P
23IABBA037	MANISH C	P
23IABBA038	MELVIN ABISHEK V	A
23IABBA039	MIR HAMMAAD HUSSAIN	P
23IABBA040	MITHUKULLA THIRUMALA NARAYANA TEJA	P
23IABBA042	MOHAMMED EAHAB	P
23IABBA045	MOHAMMED SAQLAIN	P
23IABBA004	ABHISHEK C	P
23IABBA014	BHAVANA J	P
23IABBA015	BHOOMIKA B	P
23IABBA017	CHALLA NIDHI KRISHNA	P
23IABBA020	DIVYANKA SHARMA	P
23IABBA021	DURGA SHREE P	P
23IABBA023	GOVIND RISHIBHAGAVAN	P

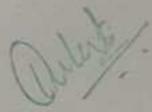


Principal
 PRINCIPAL
 INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 HENNUR MAIN ROAD
 BENGALURU - 56

23IABBA027	JIM ELLIOT S	P
23IABBA043	MOHAMMED HARIS	P
23IABBA044	MOHAMMED ISMAIL	P
23IABBA046	MOHAMMED TANZEEM	P


Head
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43




PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

Title: Problem Based learning

Name of the Subject: Fundamentals of Business Accounting

Date: 6th October 2023 to 10th October 2023

Time: 2 Pm to 4 Pm

Venue: Library

Target Audience: I SEM BBA 2023 Batch

Faculty: Mohammed Ahmed A

Objectives of the programme

- Understand Basic Accounting Principles
- Apply Accounting Concepts to Solve Numerical Problems
- Collaborate Effectively in Group Settings

Report

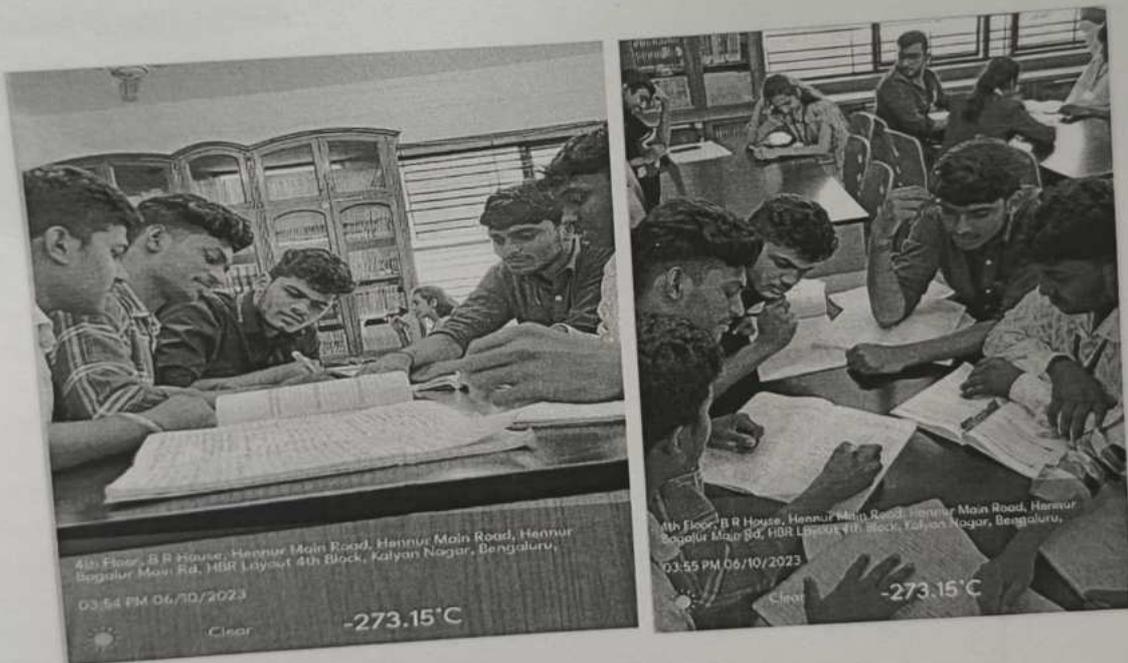
The group began by reviewing key accounting principles. Each member contributed by explaining different aspects of the accounting equation ($\text{Assets} = \text{Liabilities} + \text{Equity}$) and the importance of double-entry bookkeeping. This foundational knowledge set the stage for solving the numerical problem. The numerical problem involved calculating total assets based on provided liabilities and equity figures. Each group member took turns performing calculations and cross-verifying the results. By the end of the session, the group successfully calculated the total assets demonstrating a solid understanding of the concepts.

The group successfully met the objectives of the assignment, gaining a deeper understanding of fundamental accounting principles while improving their collaborative skills. The numerical problem-solving exercise not only reinforced their knowledge but also highlighted the importance of teamwork in learning.

Outcome

- Students will be able to identify and explain fundamental accounting principles, such as the accounting equation, double-entry bookkeeping, and the concept of debits and credits
- Students will demonstrate their ability to apply accounting concepts by accurately.
- Students will enhance their teamwork skills by collaborating within their groups to discuss strategies and share ideas.

Photographs



Alis
Signature of the Faculty



Principals
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BANGALORE-43

HOD
HOD
Head
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

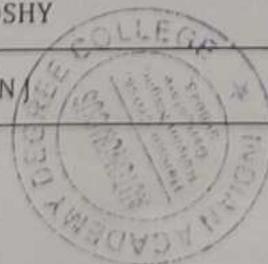
DATE:

VENUE:

TIME:

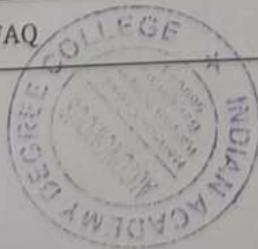
Attendance for Flipped class activity

Reg. No.	Student Name	ATTENDANCE
21IABBA100	NIKHIL V	P
21IABBA101	NIRMAL K	P
21IABBA102	NITHIN R	A
21IABBA103	NITHISH KUMAR V	A
21IABBA104	P DARSHAN	P
21IABBA105	PACHAIAPPAN RANGANATHAN	P
21IABBA106	PAVANI N	P
21IABBA107	PAVITHRA M N	P
21IABBA110	PRIYANKA S	P
21IABBA111	PUNITH T B	P
21IABBA112	R VARSHA	P
21IABBA114	RAJA RAO E	P
21IABBA115	RAKSHITH R	A
21IABBA117	RAMU M	P
21IABBA118	RANA SEN S	P
21IABBA121	RITU RAY	P
21IABBA122	ROWAN KOSHY	P
21IABBA124	SAHIL KHAN	P



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

21IABBA125	SAI GOWTHAM P	P
21IABBA126	SAI KOUSHIK P	P
21IABBA127	SAMA KHAN	P
21IABBA128	SAMEENA TAJ	P
21IABBA130	SANDEEP SHARMA	P
21IABBA132	SANIYA BANU M	P
21IABBA133	SANJANA P	P
21IABBA134	SANJAY P	A
21IABBA135	SANJAY R	P
21IABBA136	SANTHOSH S	P
21IABBA139	SHAIK RAHIM	P
21IABBA141	SHAKTHI KIRAN S	P
21IABBA143	SHEEMA RAKSHAN	P
21IABBA144	SHIVA SINGH	P
21IABBA145	SHREYA SHREE S	P
21IABBA146	SHREYAS G	P
21IABBA147	SNEHA ASHOK RAMPUR	P
21IABBA148	SRI NITHIN S	P
21IABBA150	SUFIYA UZMA S	P
21IABBA152	SURAJ BHAN	P
21IABBA153	SURYA LAKSHMI	P
21IABBA154	SYED ABDUL MANNAN ASIF	P
21IABBA155	SYED AFAQ	P



INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 HENNUR MAIN ROAD
 BENGALURU - 43

21IABBA157	SYED FARID	P
21IABBA160	SYED KHALEEL UR REHMAN	P
21IABBA162	SYED SAQEEB	P
21IABBA164	TANUJA P	P
21IABBA166	TERENCE A	A
21IABBA168	UMME SALMA	P
21IABBA176	VENKATA CHANNA KESHAV RAO RV	P
21IABBA178	VISHAL KUMAR N	P
21IABBA179	VISHAL RAI	P

[Signature]
SUBJECT TEACHER

[Signature]
HOD
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43



[Signature]
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

TITLE OF THE PROGRAM: MANAGEMENT ACCOUNTING

TOPIC- BUDGET ANALYSIS

Category: Knowledge Enhancement/ Skill Development

OBJECTIVES:

1-Financial Oversight: Ensuring that an organisation's financial resources are being allocated and utilised effectively.

2-Performance Evaluation: Assessing the efficiency and effectiveness of various departments and programs by comparing actual expenditures to budgeted amounts.

3-Resource Allocation: Identifying areas where funds can be reallocated to optimise performance and meet strategic goals.

Date: 11/05/2024

Time: 10.30 am

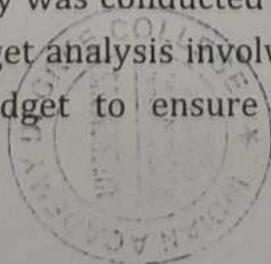
Venue: 614

Name of the program coordinator: Prof. Bhavani

Target Audience: IV semester - 45 students

REPORT:

The above mentioned Activity was to make us Understand about how to use the amount of budget and in what all courses the budget has been derived and in Budget Analysis it is important to plan the performing Activities and Oversee and Analyse the required budget needed for An Event. The Activity was conducted on 11-05-2024 in Room number 614. The study of budget analysis involves understanding how to evaluate an organisation's budget to ensure optimal financial management and



INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

strategic alignment. This discipline is crucial for effective decision-making and accountability within organisations. This report outlines the objectives, methodologies, benefits, and implications of studying budget analysis.

Studying budget analysis is essential for anyone involved in financial management or strategic planning. It equips individuals with critical skills needed to analyse budgets, monitor performance, and make informed decisions that drive organisational success. As financial landscapes evolve, ongoing education and practical application of budget analysis principles remain vital for effective financial governance. By overcoming challenges and leveraging available resources, students and professionals can enhance their expertise in this important field. Budget analysis is a crucial process that helps organisations manage their financial resources effectively. By focusing on performance evaluation, cost control, and strategic alignment, budget analysis supports informed decision-making and fosters accountability. As organisations navigate complex financial landscapes, a robust budget analysis framework is essential for achieving long-term success and sustainability. Regular reviews and adaptations of the analysis process can further enhance its effectiveness, ensuring that financial management aligns with evolving organisational goals. Overall, studying budget analysis equips individuals with essential skills for effective financial management and strategic decision-making in various organisational contexts.

Autht

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 49



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF BUSINESS ADMINISTRATION

TITLE OF THE PROGRAM: INTERNATIONAL BUSINESS

TOPIC-EXIM POLICY

Category: Knowledge Enhancement/ Skill Development

OBJECTIVES:

1-Promotion of Exports: Encouraging and enhancing the export of goods and services to increase foreign exchange earnings.

2-Import Management: Regulating imports to protect domestic industries and ensure a balance of trade

3-Boost Economic Growth: Stimulate overall economic development by fostering international trade and investment opportunities.

Date: 20/05/2024

Time: 10.30 am

Venue: 614

Name of the program coordinator: Prof. Kesavan R

Target Audience: IV semester – 40 students

REPORT:

This Workshop was conducted for the purpose of Educating students on EXIM POLICY; this event was a Classroom Activity which was conducted on Room Number 614 on 20-05-2024.

The Export-Import (EXIM) Policy is a crucial framework that governs international trade practices in a country. It aims to facilitate and regulate foreign trade by promoting exports, managing imports, and providing support to domestic industries. This report examines the objectives, features, and impact of the EXIM Policy.

[Signature]
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



The EXIM Policy plays a vital role in shaping the trade landscape of a country. By promoting exports, regulating imports, and supporting domestic industries, it contributes to economic development and global competitiveness. However, continuous evaluation and adaptation of the policy are essential to address emerging challenges and ensure sustained growth in international trade.

This report serves as a comprehensive overview of the EXIM Policy, highlighting its significance and areas for improvement.

Export-Import (EXIM) policy is a crucial framework that governs international trade in a country. It establishes guidelines for exporting and importing goods and services, aiming to promote trade, enhance foreign exchange reserves, and support domestic industries. This report serves as a foundation for understanding the critical role of EXIM policy in shaping a nation's trade landscape and its impact on economic development.

Overall, studying EXIM policy equips individuals with critical insights and skills for effective participation in global trade.

OUTCOME:

The outcome of an Export-Import (EXIM) policy can significantly influence a country's economic landscape. A well-structured EXIM policy aims to enhance trade competitiveness, promote exports, and facilitate imports of essential goods and services. Successful implementation often leads to increased foreign exchange reserves, improved balance of payments, and greater access to global markets. Additionally, it can stimulate domestic industries by encouraging investment and technology transfer. However, if poorly executed, an EXIM policy may result in trade imbalances, dependency on foreign goods, and challenges for local businesses. Overall, the effectiveness of an EXIM policy largely depends on its alignment with broader economic goals and the dynamism of the global trade environment.


PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 56



INDIAN ACADEMY

Degree College - Autonomous
DEPARTMENT OF BUSINESS ADMINISTRATION

TITLE OF THE PROGRAM: PRODUCTION AND OPERATION MANAGEMENT

TOPIC- SCALAR CHAIN MANAGEMENT

Category: Knowledge Enhancement/ Skill Development

OBJECTIVES:

1-Clear Communication: Establishing a structured hierarchy for effective communication across all levels of the organisation.

2-Efficient Decision-Making: Streamlining the decision-making process by ensuring that decisions flow through the appropriate levels of authority.

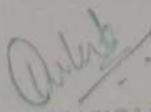
3-Responsibility and Accountability: Clearly defining roles and responsibilities, which helps in holding individuals accountable for their actions.

Date: 15/05/2024

Time: 10.30 am

Venue: 614 **Name of the program coordinator:** Prof. Mary Magdalane.A

Target Audience: IV semester - 40 students


PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 56



REPORT:

This Workshop was conducted on the purpose of Sharing information about the Scalar Chain Management and how those works in an organisation. This Interaction Activity was conducted at Room No 614 on 15-05-2024.

Scalar chain management refers to the hierarchical structure within an organisation that facilitates clear communication and authority flow from top management to lower levels. This concept is rooted in classical management theories, particularly those proposed by Henry Fayol, who emphasised the importance of a clear chain of command.

Scalar chain management is a fundamental principle that supports effective organisational structure and communication. While it offers numerous benefits, such as improved efficiency and accountability, organisations must also be mindful of potential challenges. Balancing hierarchy with flexibility can help ensure that scalar chain management contributes positively to organisational performance. For optimal results, organisations should regularly review and adapt their structures to meet evolving needs and promote a culture of open communication and collaboration.

Scalar chain management plays a vital role in shaping an organisation's efficiency and effectiveness. A well-defined structure supports clear communication, decision-making, and accountability. However, organisations must remain adaptable to overcome challenges and leverage new communication technologies.

This report highlights the importance of scalar chain management in promoting organisational effectiveness and the need for continuous adaptation in a dynamic business environment

Overall, studying scalar chain management equips individuals with essential skills for navigating and managing organisational dynamics effectively

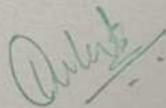
Principals

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 56



OUTCOME :

The outcome of effective scalar chain management can significantly enhance organisational efficiency and communication. By establishing a clear hierarchy and defined lines of authority, scalar chain management ensures that decision-making processes are streamlined, enabling faster response times to issues and a more structured approach to problem-solving. This clarity fosters accountability, as employees understand their roles and responsibilities within the chain. Additionally, it can improve employee morale by providing a sense of order and security, while also facilitating better collaboration across different levels of the organisation. However, if too rigid, it may hinder innovation and adaptability. Overall, when balanced appropriately, scalar chain management contributes to a more organised and responsive organisational framework.



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

TITLE OF THE PROGRAM: ENTREPRENEURSHIP DEVELOPMENT

TOPIC - CASE STUDY

Category: Innovation/Skill Development

Date: 11/09/2023

Time: 10.15AM to 11.15AM

Venue: 619

Name of the program coordinator- KESAVAN.R

OBJECTIVES:

The objective of entrepreneurship development is to foster the creation and growth of new businesses, thereby stimulating economic growth and innovation. This involves equipping aspiring entrepreneurs with the necessary skills, knowledge, and resources to identify opportunities, develop viable business models, and navigate the complexities of starting and managing a business. By promoting entrepreneurial mindsets and supporting access to financing, training, and mentorship, entrepreneurship development aims to enhance individual empowerment, create job opportunities, and contribute to sustainable economic development within communities. Ultimately, it seeks to build a vibrant ecosystem where entrepreneurial ventures can thrive and drive societal progress.

REPORT:

Entrepreneurship development highlights the critical importance of nurturing new business ventures to drive economic growth and innovation. It outlines various initiatives aimed at equipping aspiring entrepreneurs with essential skills, including business planning, financial management, and marketing strategies. The report

emphasizes the need for accessible resources such as training programs, mentorship opportunities, and funding options to empower individuals in their entrepreneurial pursuits. By fostering a supportive ecosystem, the report illustrates how entrepreneurship development can lead to job creation, increased competitiveness, and sustainable community development. Ultimately, it calls for collaborative efforts among government, educational institutions, and private sector stakeholders to ensure that entrepreneurship flourishes as a vital component of economic progress.

OUTCOME:

Entrepreneurship development emphasizes its crucial role in driving economic growth and fostering innovation. It outlines the key objectives, including skill development through targeted training programs, enhancing resource accessibility by facilitating funding and mentorship, and generating job opportunities through the establishment of new businesses. Additionally, the initiative aims to empower communities by cultivating a culture of entrepreneurship that encourages individuals to seize local opportunities. To implement these objectives, the report suggests collaboration with educational institutions to integrate entrepreneurship into curricula, the establishment of incubators and accelerators for startups, and the promotion of policies that reduce regulatory burdens. Ultimately, prioritizing entrepreneurship development can enhance individual empowerment, stimulate economic activity, and contribute to sustainable community growth, benefiting society as a whole.

INDIAN ACADEMY

Degree College - Autonomous

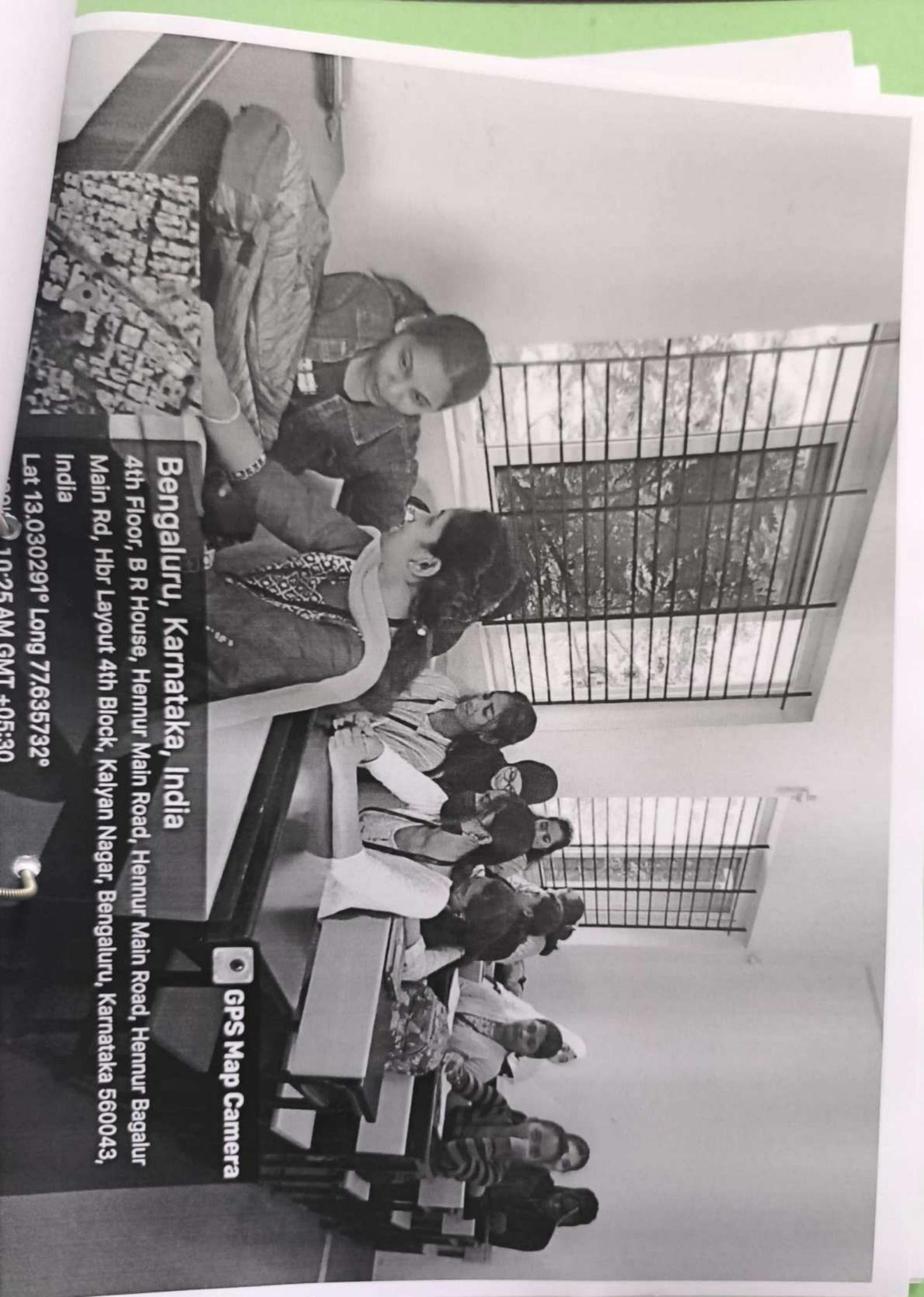
Department of Business Administration

Sl. No	Name
1	ABDUL RAHEEM
2	ABHISHEK DUNG DUNG
3	ABHISHEK Y
4	ABHISHEK Y K
5	AISHWARYA J
6	AKASH A
7	AKASH KASI
8	ALLEN PHILIP GEORGE
9	AMEEN KHAN
10	AMRUTH C
11	ANAND M
12	ANNU KUMARI
13	ARPITA SHARMA
14	ARUN KUMAR K
15	ASHA M
16	ASHLEY GLEN SUARES
17	ASHOK SHARKI
18	AYESHA MEHIK
19	BHARATH M
20	C M SANJAY
21	CHANDAN S
22	CHETHAN L
23	CHHABHAIYA NIKITA PURUSHOTTAM
24	CHIRANJEEVI K V
25	CHIRANTH S P
26	D P CYRIL JASHUA
27	DEEPAK CHETRY
28	DEON NASH MELDER
29	DEVI PRIYA PARAMASIVAN
30	DHANUSH G
31	DIVYA A
32	GODWIN RAJ M
33	GRISELDA R
34	HARISH J
35	HARSHITHA A
36	ILLYAS BASHA C
37	INFANT MATHEW J P
38	INZAMAM ALAM
39	JAGDISH B

40	JAI PRAKASH R
41	JAVERIYA SADIYA
42	JEEVITH S
43	JEROM ALEXANDER J
44	JITENDER R
45	JOHN DANIEL J
46	JOSHUA V
47	KANGABAM CHITARANJAN SINGH
48	KARTHIK KUMAR V
49	KAVYA K
50	KEERTHANA N B
51	KHAN SAIF FEROZ
52	LALITH SHARKI
53	LAVANYA O P
54	LEONARD AUSTIN
55	LIKITHASHREE S
56	LIZY S
57	M POORNICA
58	MADESH
59	MADHAN ABISHEK D
60	MANISHA CHUNARA L
61	MANJUNATH H
62	MANOVA J
63	MD UMAR SHEKH
64	MEENA B
65	MEZAN KHANUM
66	MOHAMMAD HUZAIF K A
67	MOHAMMED ADNAN
68	MOHAMMED AFAQ S I
69	MOHAMMED AFTAB
70	MOHAMMED ASFAN PASHA
71	MOHAMMED ATEEF BAIG
72	MOHAMMED HUSAM H A
73	MOHAMMED JUNAID SHARIFF
74	MOHAMMED KAIF
75	MOHAMMED MOINUDDIN
76	MOHAMMED NADEEM SHAHIB S
77	MOHAMMED SAAD
78	MOHAMMED SHAIK FAHAD
79	MOHAMMED SUFIYAN A

[Handwritten signature]

[Handwritten signature]
 Head
 Department of Business Administration
 INDIAN ACADEMY
 DEGREE COLLEGE - AUTONOMOUS
 HENNUR MAIN ROAD BANGALORE 43



Bengaluru, Karnataka, India

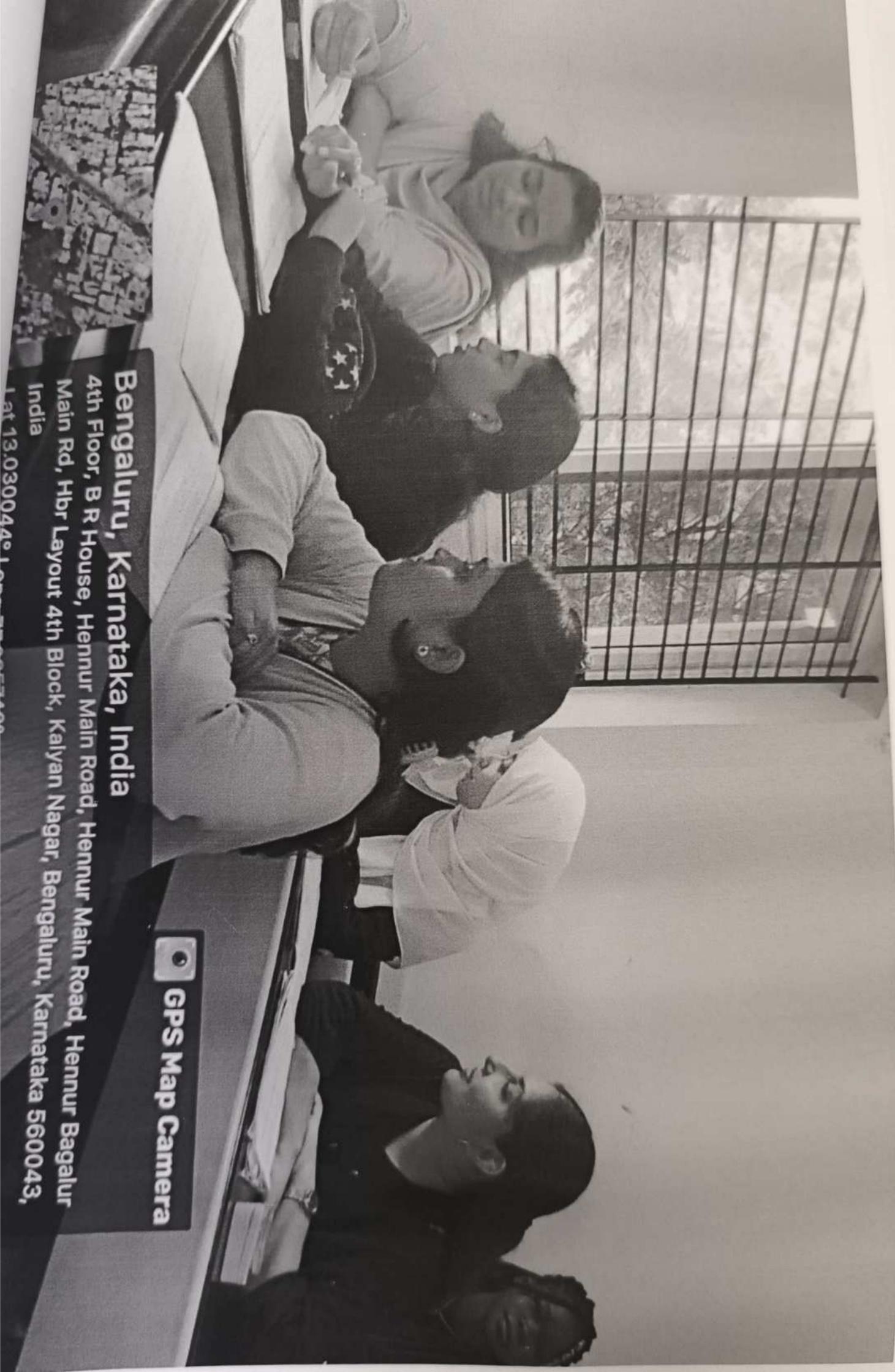
4th Floor, B R House, Hennur Main Road, Hennur Main Road, Hennur Bagalur
Main Rd, Hbr Layout 4th Block, Kalyan Nagar, Bengaluru, Karnataka 560043,
India

Lat 13.030291° Long 77.635732°



GPS Map Camera

10:25 AM GMT +05:30



Bengaluru, Karnataka, India

4th Floor, B R House, Hennur Main Road, Hennur Main Road, Hennur Bagalur
Main Rd, Hbr Layout 4th Block, Kalyan Nagar, Bengaluru, Karnataka 560043,
India

Lat 13.030044°

 **GPS Map Camera**

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

TITLE OF THE PROGRAM: Performance and Compensation Management

TOPIC - CASE STUDY

Category: Skill Development/ Enhanced Engagement

Date: 13/08/2023

Time: 11.15 AM to 12.13 PM

Venue: 618

Name of the program coordinator- KESAVAN R

OBJECTIVES:

The objective of performance and compensation management is to align employee performance with organizational goals while ensuring fair and competitive compensation practices. This involves setting clear performance expectations, providing ongoing feedback, and conducting regular evaluations to recognize and reward high achievers. By implementing a structured performance management system, organizations can identify areas for improvement, enhance employee engagement, and foster a culture of accountability. Additionally, effective compensation management aims to attract, retain, and motivate talent through equitable salary structures and benefits packages, ultimately driving overall organizational success and productivity. Through this alignment of performance and compensation, organizations can create a motivated workforce that is committed to achieving strategic objectives.

REPORT:

Performance and compensation management underscores its vital role in aligning employee contributions with organizational objectives to foster a motivated and productive workforce. It outlines key objectives such as establishing clear performance expectations, implementing regular evaluations, and creating frameworks for recognizing and rewarding high achievers. Additionally, the report emphasizes the importance of developing competitive compensation structures to attract and retain top talent. To achieve these goals, it recommends introducing a structured performance management system that includes goal-setting and continuous feedback, training managers to effectively facilitate performance discussions, and conducting regular market analyses to ensure compensation packages remain competitive. By prioritizing performance and compensation management, organizations can cultivate a culture of accountability and engagement, ultimately enhancing employee satisfaction and driving overall organizational success.

OUTCOME:

The outcomes of effective performance and compensation management include improved employee motivation and engagement, enhanced productivity, and higher retention rates. By clearly aligning individual performance with organizational goals, employees gain a better understanding of expectations, leading to increased accountability and job satisfaction. Recognizing and rewarding high performers fosters a culture of excellence, while competitive compensation packages help attract and retain top talent. Additionally, a structured feedback process facilitates ongoing development and improvement, ultimately contributing to the overall success and effectiveness of the organization.

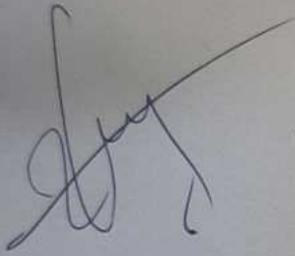
INDIAN ACADEMY

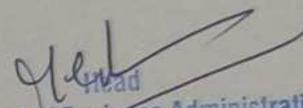
Degree College - Autonomous

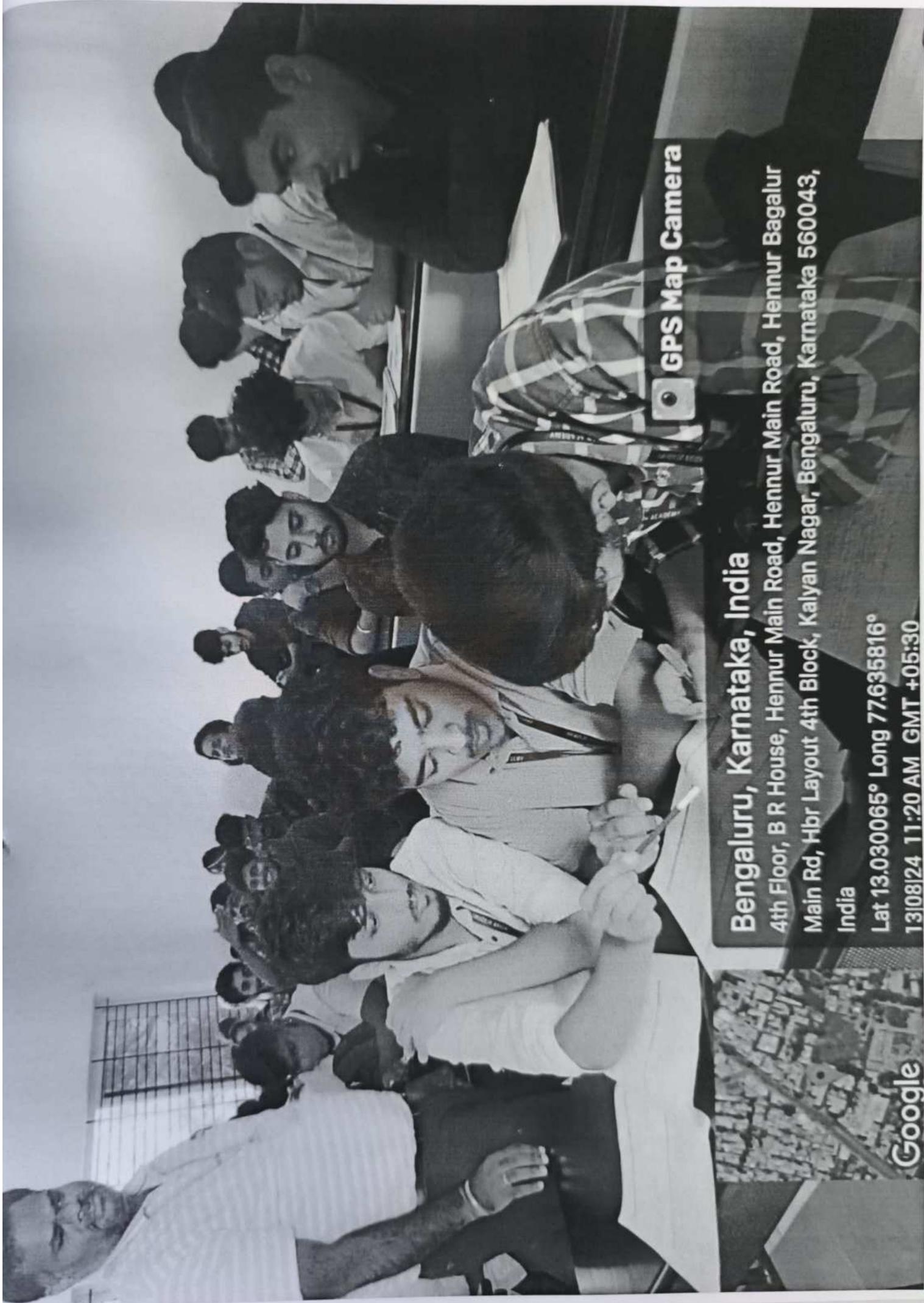
Department of Business Administration

Sl. No	Name
1	MOHD RAZA MOHD AHMAD
2	MOMINA FATHIMA
3	NANDINI R
4	NANDITHA D
5	NAVEEN M
6	NIDHIN M
7	NIRMAL K
8	P DARSHAN
9	PAVANI N
10	PAVITHRA M N
11	PEARLIEN A
12	PRIYANKA S
13	PUNITH T B
14	R VARSHA
15	RAKSHITH R
16	RANA SEN S
17	RITU RAY
18	RUBEN RAVI R
19	SAI KOUSHIK P
20	SAMA KHAN
21	SAMEENA TAJ
22	SANIYA BANU M
23	SANJANA P
24	SANJAY P
25	SARADHI K
26	SHAILESH R
27	SHANTHA KUMAR K
28	SHEEMA RAKSHAN
29	SHIVA SINGH
30	SHREYA SHREE S
31	SHREYAS G
32	SNEHA ASHOK RAMPUR
33	SUFIYA UZMA S
34	SUJITHRA M
35	SURAJ BHAN
36	SURYA LAKSHMI
37	SYED AFAQ
38	SYED IBRAHIM AHMED
39	SYED JALAL AHMED

40	SYED REHAAN SAYEED JALAL
41	SYED SAQEEB
42	SYED ZEESHAN ALI
43	TANUJA P
44	TEJASHWINI G
45	UDAY KIRAN N
46	UMME SALMA
47	VARSHA U
48	VARSHITH S
49	VARSHITHA M




Head
Department of Business Administration
HENNUR MAIN ROAD BANGALORE-43
DEPARTMENT OF BUSINESS ADMINISTRATION
HENNUR MAIN ROAD BANGALORE-43
Department of Business Administration
Head



GPS Map Camera

Bengaluru, Karnataka, India

4th Floor, B R House, Hennur Main Road, Hennur Main Road, Hennur Bagalur
Main Rd, Hbr Layout 4th Block, Kalyan Nagar, Bengaluru, Karnataka 560043,

India

Lat 13.030065° Long 77.635816°

13|08|24 11:20 AM GMT +05:30

Google



 **GPS Map Camera**

Bengaluru, Karnataka, India

4th Floor, B R House, Hennur Main Road, Hennur Main Road, Hennur Bagalur
Main Rd, Hbr Layout 4th Block, Kalyan Nagar, Bengaluru, Karnataka 560043,

India

Lat 13.030065° Long 77.635816°

13/08/24 11:18 AM GMT +05:30



Google

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

Title: Buddy Learning

Name of the Subject/ Subject Code: MANAGEMENT ACCOUNTING- M21DC4.3

Date: 16/5/2024

Time: 2.00pm to 4.00pm

Venue: 523

Target Audience: IV SEM BBA

Faculty: Bhavani Kumari G

Objectives of the programme:

1. Form small groups where you can discuss topics like budgeting, variance analysis, and cost behavior. Sharing different perspectives can deepen your understanding
2. This will help you apply theoretical concepts to practical situations, enhancing critical thinking and problem-solving skills.
3. Practice past papers or mock exams together. Discussing answers and different approaches can highlight areas for improvement.
4. Regularly review each other's work and provide constructive feedback. This helps identify strengths and areas for growth.

Report:

The peer learning on management accounting highlights collaborative insights and shared experiences among participants in understanding key concepts and practices. Through group discussions and case studies, participants explored areas such as budgeting, cost analysis, and performance evaluation. This collaborative approach fostered a deeper comprehension of management accounting tools and techniques, emphasizing their application in real-world scenarios. The exchange of ideas and feedback enhanced critical thinking and problem-

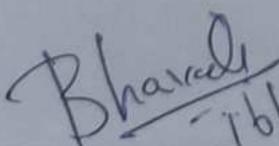
solving skills, ultimately reinforcing the importance of effective financial decision-making in organizational success.

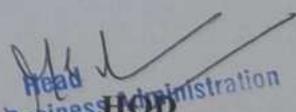
Outcome:

1. The outcome of the peer learning initiative in management accounting resulted in several key benefits.
2. Participants gained a deeper understanding of essential concepts such as budgeting, cost analysis, and performance metrics.
3. Collaborative discussions enhanced critical thinking and problem-solving abilities, allowing learners to apply theoretical knowledge to practical scenarios.
4. The sharing of diverse perspectives fostered a supportive learning environment, increasing confidence in using management accounting tools.
5. Improved communication skills and a stronger ability to discuss among their peers.

Conclusion:

In conclusion, the peer learning initiative in management accounting proved to be a valuable experience that significantly enriched participants' understanding and application of key concepts. The collaborative nature of the program fostered an engaging environment for knowledge sharing, enhancing critical thinking and practical skills. Participants emerged with greater confidence in their ability to analyze financial data and make informed decisions, thereby contributing to their organizations' success. This experience underscores the importance of peer learning as a powerful tool for professional development, encouraging continuous improvement and a deeper appreciation of management accounting's role in strategic planning and operational efficiency.


Signature of the Faculty
7/6/5/2024


Head
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF BUSINESS ADMINISTRATION
BUDDY LEARNING

SUBJECT: MANAGEMENT ACCOUNTING

BATCH:	STUDENTS INCHARGE	NAME OF THE STUDENTS ALLOTTED
BATCH 1	JENNIFER B	ADITYA KUMAR SHARMA IRFAN PASHA KIRAN K RICHARD PAUL J SANJAY S
BATCH 2	NIKHAT FATHIMA S	MEENA M MOHAMMED AMEEN TABREZ PASHA VIJAY KUMAR B YARA SUNIL
BATCH 3	LUVINA J	KADIRESH J KIPANGA MAYOMBO EMMANUELLA MOHAMMED NABEEL P S ASHOKA PAVAN ANTONY RAJ VIGNESH KUMAR V
BATCH 4	REBANTA BAHADUR RAWAL	AISHWARYA J AJAY M ASHWINI V DARSHAN RAJ S GHARADE SAHIL SHAFFIQ JOSHUA S
BATCH 5	B SOHIT SIVARAJ	JISHNU RAGHAVENDRA J PRIYA S R SAI NIKHIL SAROJ THAPA C THANUSHREE V THULASI RAMAN B
BATCH 6	SANIYA FAIZAN	NAWAZ PASHA PALLAVI A UBAID UR RAHMAN VINAY S SANGEETH JOJY
BATCH 7	JERSEY A	ARMAN SHAW J MOHAMMED ZAMEER ARSHIYA MOHAMMED IMAD MOHAMMED MUDASER MOHAMMED UMMAR FAROOQ
BATCH 8	SALMA SULTANA	

CLASS TEACHER

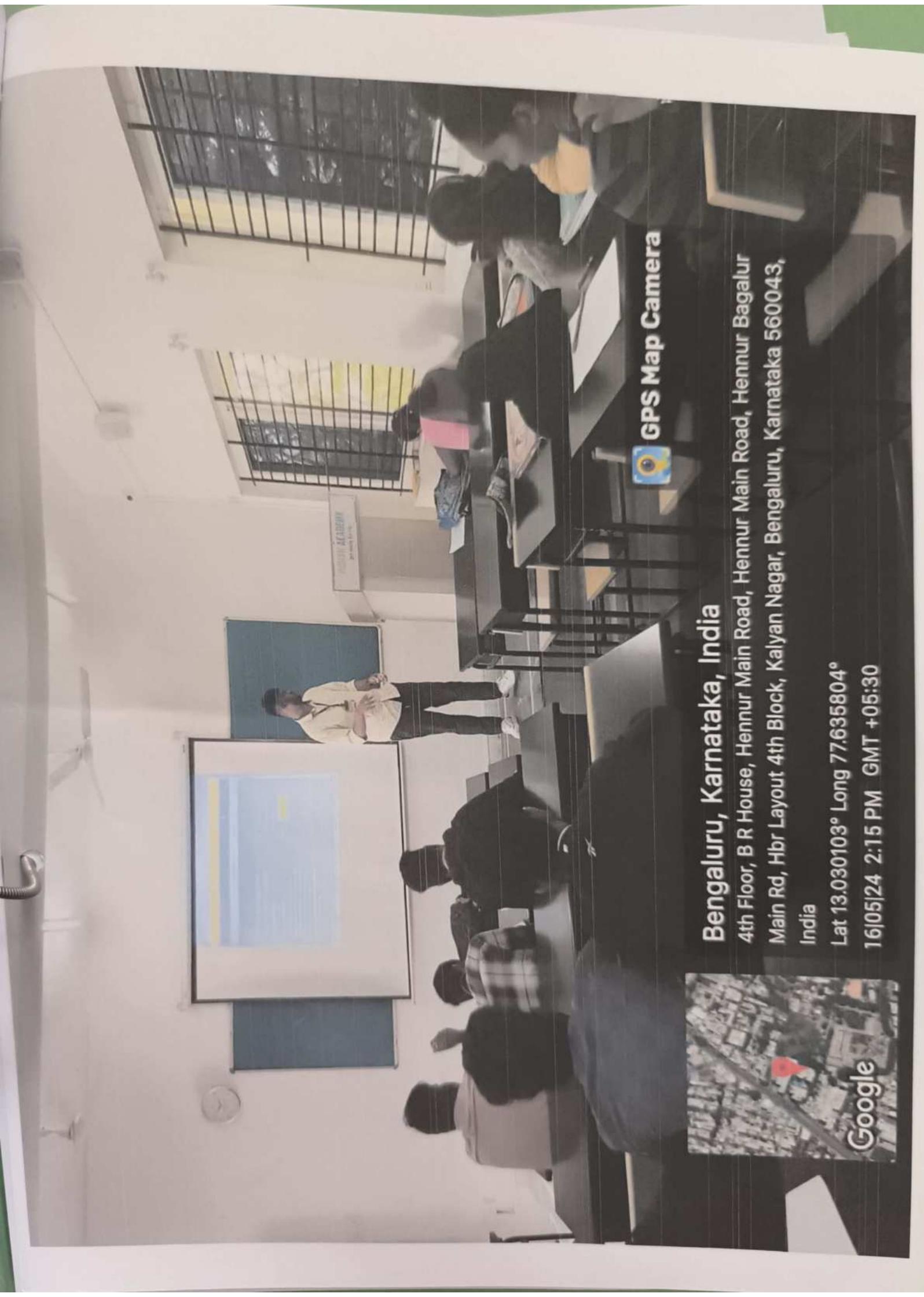
Bhavani

[Signature]
HOD

Head
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43

Topic covered:-

- ① Marginal costing.
- ② Flexible budget and Cash Budget.
- ③ Cash flow statement.



Bengaluru, Karnataka, India

4th Floor, B R House, Hennur Main Road, Hennur Main Road, Hennur Bagalur
Main Rd, Hbr Layout 4th Block, Kalyan Nagar, Bengaluru, Karnataka 560043,

India

Lat 13.030103° Long 77.635804°

16/05/24 2:15 PM GMT +05:30



GPS Map Camera

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

TITLE: INNOVATIVE TEACHING METHOD CASE STUDY ON DIGITAL FLUENCY

Name of the Subject: Digital Fluency

Date: 6th September 2023 to 10th September 2023

Time: 2 pm to 4 pm

Venue: Classroom 603

Target Audience: III Sem BBA 2022 Batch

Faculty: Prof Rajani Singh

Objectives of the programme

- Understand Artificial Intelligence and its types
- Understand the application of Artificial Intelligence
- Collaborate Effectively in Group Settings

Report

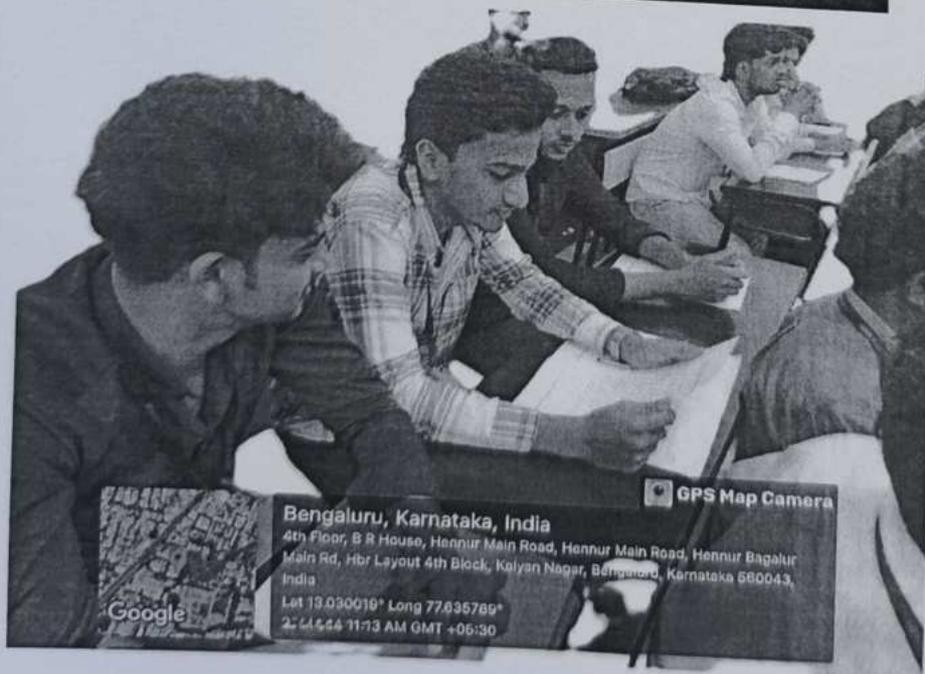
Three case studies were made and given to the students . The case studies were on Artificial Intelligence in Indian Railways and how they are using India 's AI Chatbot. It focussed on how AI is used in Signboard Translation Project . Students were quite excited to do the case study. Another case was on Artificial Emotional Intelligence and how AI is using affective computing to recognize, interpret , process and simulate human agency in various ways. The entire case focussed on understanding human cognition , replace or augment humans with machines and influence people's choices. The entire class was divided into group of three students and different case studies were given to each group and they took turns to present it. This approach helped them in understanding the It took 2 hours to take the presentation of the students.



Rajani Singh
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENIRU MAE ROAD
BENGALURU

Outcome

- Students will be able to identify and explain Artificial Intelligence and its application in our business and government
- Students will demonstrate their ability to apply IT applications in various processes..
- Students will enhance their teamwork skills by collaborating within their groups to discuss strategies and share ideas.





Rajan Singh

Signature of the Faculty

[Signature]
Head
HOD

Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALURU

[Signature]

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BANGALURU - 560043



INDIAN ACADEMY

Degree College - Autonomous

DIGITAL FLUENCY

A new study by Bengaluru-based think tank Center for Study of Science, Technology and Policy (CSTEP) released the roots for embedding artificial intelligence (AI) in India's climate change mitigation and adaptation initiatives.

The study examined AI's potential for strengthening climate action in India with a focus on transport and water management. The study stated that the use of AI in the transport sector has the potential to significantly limit GHG (greenhouse gas) emissions, and can, therefore, be instrumental in mitigating the impacts of climate change.

"One such high-impact application is in planning the electric vehicle (EV) charging infrastructure — a crucial factor for large-scale EV uptake and another is in flood prediction and warning, which can enable efficient, targeted emergency responses. The study acknowledges AI as a powerful tool to boost and speed up our response to climate change. Recognising that the manner in which AI is deployed in the near future will determine India's progress towards achieving its climate action goals, the report furnishes a comprehensive roadmap to guide the way forward," the CSTEP said in its report.

It identified the use of water, including drinking, agriculture and industrial and applications of AI in water management and conservation. "Diminishing glaciers pose a long-time critical risk to water availability and security in India. AI's can be deployed for the frequent and more expansive monitoring of glacial retreat and advance, better simulations/estimates of impacts of glacial changes in river water systems," the report said.

"In the Indian context, some glacier mapping datasets (like those on Hindu Kush Himalayas) are readily available. It is crucial to deploy appropriate AI, ML (machine learning) or DL (deep learning) technologies to monitor or map the effects of climate change on the glacial structure and assess the impact," the report added.

Advocating the use of AI, the think tank in its report said: "The occurrence of devastating floods and droughts has been increasing in India over the years. These climate disasters have caused extensive loss of lives and livelihoods, and large-scale destruction of property and infrastructure. This calls for utilising AI for making prompt and accurate predictions of floods and droughts as well as for putting appropriate risk assessment measures in place. Forecasting the occurrence of disasters well in advance is crucial for taking the necessary adaptive steps. Disaster management is a key potential area for deploying AI to enable informed decision making and effective planning."

Explaining the use of AI and ML in the transport sector the report further said, "India can also explore the possibility of using AI tools or write suitable AI/ML algorithms for energy optimisation. EV penetration in India, especially of four-wheelers, is not very impressive. The penetration of heavyweight EV vehicles (like trucks, buses etc.) is almost

non-existent. Though the rate of penetration seems to be increasing in the case of two and three wheelers, there is a long way to go. The nature of datasets, i.e. the demand, charging pattern, load on the grid etc. can also be obtained only when there is a substantial number of EVs plying on the Indian roads."

"Thus, this AI use case has the potential to generate a positive end-user impact and mitigate climate change issues over the mid to long term. One of the factors for the low demand of EVs can also be the high purchase price of an EV for the consumer. Evaluating their costs versus overall returns in the Indian context will be useful in enabling informed decision making by the end user. In India, traffic data (such as the number of road users and pedestrians, traffic density), and information on intersections and types of vehicles at an intersection is not readily available. AI can be deployed to gather these big and raw datasets from traffic video feeds which are accessible. The use case will result in high positive returns in terms of reducing the overall traffic activity, and hence traffic congestion on roads. Moreover, it would certainly lead to efficient fuel consumption by vehicles and reduction in overall emissions. With the availability of datasets, intelligent traffic signal systems can prove to be a solution to traffic congestion in the short term, with immediate and direct impact on the end users," the report added.

(15 Marks)

Answer the following questions:

		COs	BTL
1.	What is the technology that the Center of Science , Technology and Policy is planning to implement in the above case? (1 mark)	CO1	L4
2.	State one factor for the low demand of EV for the consumer. (1 mark)	CO1	L2
3.	How can AI in transport sector impact climate change? (2 mark)	CO1	L4
4.	Explain application of AI in water management. (3 marks)	CO1	L3
5.	What is the role of AI in traffic management? (3 marks)	CO1	L3
6.	What is Machine Learning in AI? What are the types of Machine Learning? (5 marks)	CO1	L1

INDIAN ACADEMY

Degree College - Autonomous

DIGITAL FLUENCY

Artificial Intelligence: Towards a new dawn for new India

The Artificial Intelligence market has been and continues to be active, after hitting record deal numbers last year, and is only expected to continue as competition for talent and innovative technology increases. India's ambitious artificial intelligence (AI) mission will now be a reality as the Ministry of Electronics and IT (MeitY) has reportedly received a go-ahead to roll out the five-year programme. With this programme, the government aims to provide a platform for students to attain AI skills and give access to relevant AI tools so that they can be future-ready for the digital revolution.

The 2021 Union Budget expects a lot of strategic changes and investment in the Artificial Intelligence Market. AI is drastically transforming to a methodology which in the future needs immense acknowledgement and attention. Failing in this will cost immense loss and lack of updated resources, it is like if not now, then never. Let us also have a close observation at the approaches and initiatives by the Indian Government, Commercial Institutions and Corporate Companies working there on different areas of the society.

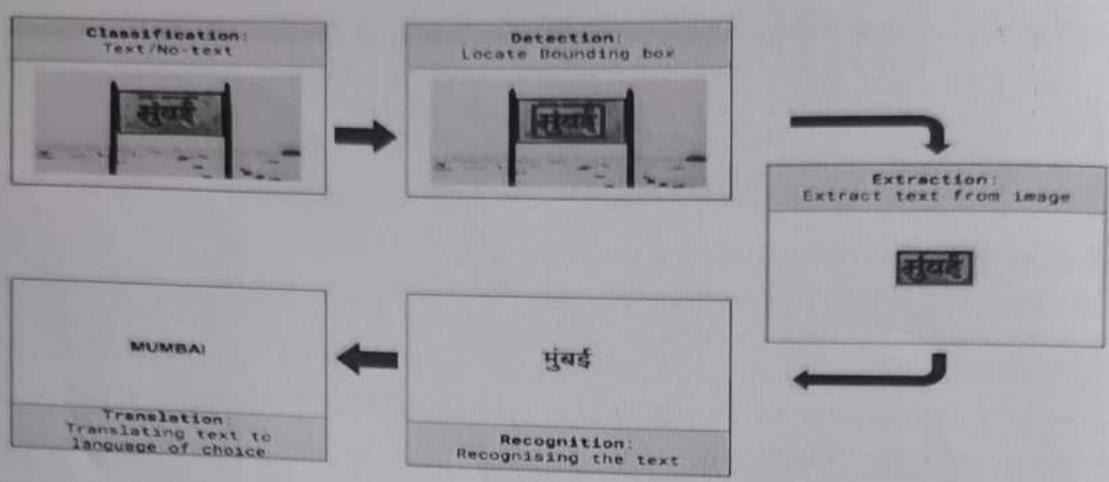
The **Indian Railways** is on a very marginal approach and is significantly stepping into incorporating Artificial Intelligence into every areas of logistic and transport operations. Gone are the days of long planning and queue for ticket reservation process.

Indian Railways

Artificial Intelligence, today has deeply acted as an alternate to the Human Brain and will continue to do so. The Indian Railway Catering and Tourism Corporation (IRCTC) deployed an AI (Artificial Intelligence) and NLP (Natural Language Processing) enabled Intelligent Virtual Assistant. Thus, India's first ever AI Chabot by a Public Sector Enterprise "AskDISHA" came into being. AskDISHA bot is live on the IRCTC website and mobile app to provide quick replies and information to the passengers, by voice and text and in multi-languages.

Built by CoRover using its proprietary cognitive AI technology, and powered by the Microsoft Azure architecture, AskDISHA is short for Digital Interaction to Seek Help Anytime. Users can either key in or verbally communicate their queries to get immediate resolution from this NLP-powered virtual assistant. The bot can understand both English and Hindi and has even been programmed to understand a mix of the two - Hinglish.

IIT-Madras scientists have launched AI4Bharat to boost AI innovation in India. AI4Bharat is a community of engineers, domain experts, policymakers, and academicians collaborating to build AI solutions to solve the problems very specific to India. The ongoing projects from AI4Bharat around NLP include Signboard Translation from Vernacular Languages, Fonts for Indian Scripts, Word embeddings for Indian Languages, and many more.



Talking about the signboard translation project, we can say that it is a wonderful effort in the direction. The idea is to create an application that uses NLP at its core to translate the text written on a signboard to another language as desired by the user. The user just has to point towards a signboard using the camera from the device such as his/her phone or tablet, and the app will translate the text in the desired language. The project, in the initial stage, aims to work on names specifically like city names, road names, etc. They are usually small text pieces with just a few words but are critical to spot locations during travels. The later stages aim to increase the number of languages as well as the text complexity.

Answer the following questions: (15 Marks)

1.	Name the company that built "AskDisha", India's AI Chatbot. (1 mark)	COs	BTL
2.	What does NLP stand for? (1 mark)	CO1	L2
3.	What is AI4Bharat? (2 mark)	CO1	L1
4.	Explain application of AI in Indian Railways. (3 marks)	CO1	L4
5.	What is the role of AI in Signboard Translation Project? (3 marks)	CO1	L3
6.	What is Machine Learning in AI? What are the types of Machine Learning? (5 marks)	CO1	L3
		CO1	L1

INDIAN ACADEMY

Degree College - Autonomous

DIGITAL FLUENCY

Artificial Emotional Intelligence

Computer Science originated in mathematics and electrical departments. Hence, it is a hard science, and the hard sciences demand precision and predictability. Early AI efforts inherited the requirement of being logical and provable, which excludes the possibility of concepts like paradox and intuition that cannot be precisely described. To remedy this limitation, the field of AI has changed dramatically. Machine Learning has successfully entered the realm of satisfying the aesthetic and emotional needs and this enables technology to penetrate ever deeper into our lives.

Emotions, as distinguished from reasoning or knowledge, are feelings typically involving pleasure or displeasure, and often intertwined with mood, temperament, personality, disposition, creativity and motivation. Without a doubt, machines do not have emotions. Based on this fact, it is often incorrectly concluded that emotions are entirely beyond the purview of machine intelligence, that humans have some ephemeral quality, machines can never penetrate. Writers frequently claim that human emotional and aesthetic sensibilities make us unique, and therefore a non-human entity could never successfully replace human in emotional contexts or successfully manipulate someone's emotions.

Nevertheless, even though machines are unemotional and lack consciousness, the issue is whether they can outwardly perform certain emotional functions in purely practical sense. Take the analogy of an actor who performs as a character in a movie or play. The acting job is successful if the audience feel that the character is realistic. It is irrelevant how the actor feels internally as that is invisible to the audience, all that counts is how authentically the actor can project externally. Likewise, a machine is successful in its emotional role if it acts appropriately according to people's expectations. Whether the machine feels any actual emotion is simply irrelevant.

Machine Learning in the realm of emotions and intuition is at the cutting edge of AI development. In 1950, the computer pioneer Alan Turing introduced what became known as **Turing Test**, a way to measure how closely a machine's response resembles a human one. It is a game of imitation in which the machine mimics human behavior as closely as it can be. Both machine and human responses are presented to judges, who must decide which response is from the human and which is from the machine. The more often the machine can fool the judges, the higher its score. Such a test can be designed for any topic of conversation. The longer the test continues, the greater the challenge for the machine, because it is easier for machines to deceive the judges with a relatively brief conversation than a more complicated one.

Artificial Intelligence has already passed the Turing Test. Contrary to popular belief that computers are inherently incapable of acquiring emotional and social skills, considerable progress is being made to develop machine's ability

to sense and reason and to mimic human emotional states and social situations. These capabilities are already being used for human-machine interactions, including situations that involve emotional caring, negotiation and persuasion.

The term artificial emotional intelligence refers to the following kinds of abilities:

- *Predicting* individual behavior by modeling emotional patterns. Artificial Intelligence can develop emotional profiles of individuals that enable a machine to evaluate someone's psychological state.
- *Substituting* for human contact by providing emotional interaction. Artificial Intelligence is becoming adept at reading and responding to emotions like a human.
- *Influencing* moods and shifting people's choices toward a product or idea with emotional value. With the ability to masquerade as human, AI can make people feel good about themselves, boost their self-esteem and re-inforce specific ideas. It can make them feel happy or sad or convince them to choose a certain movie, buy a specific product and so forth.

Artificial emotional Intelligence, also called **affective computing** or **emotion AI**, integrates computer science and cognitive science. The goal is to develop systems that recognize, interpret, process and simulate human agency in various ways. It emulates human empathy by giving appropriate emotional responses, thereby enriching human-machine interactions. Affective computing system scan look at a face and determine the person's mood- happy, sad, delighted, angry etc.

The entire goal of this field is to understand human cognition, replace or augment humans with machines and influence people's choices. These functions are already being widely used for clinical medicine, political analysis, customer service, market research and business strategy.

Answer the following questions:

(15 Marks)

1.	When is a machine successful in its emotional role? (1 mark)	COs	BTL
2.	What is Artificial Emotional Intelligence? (3 marks)	CO1	L2
3.	What is a Turing Test? (3 marks)	CO1	L2
4.	Explain the abilities of Artificial Emotional Intelligence? (3 marks)	CO1	L4
5.	What is Deep Learning? Can you relate working of Neural Network to Artificial Emotional Intelligence? Kindly explain. (5 marks)	CO1	L3
		CO1	L5

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration
DIGITAL FLUENCY : INNOVATIVE TEACHING

III sem BBA DATE : 6/9/23

SL NO	Reg No.	Names	Student Signature
1	22IABBA001	ADITYA KUMAR SHARMA	P
2	22IABBA002	AISHWARYA J	P
3	22IABBA003	AJAY M	P
4	22IABBA004	ANIRUDH AKHIL N	A
5	22IABBA005	ARMAN SHAW	P
6	22IABBA006	ARSHIYA	P
7	22IABBA007	ARWA SARIYA	A
8	22IABBA008	ASHWINI V	P
9	22IABBA009	AZAREEL HILLER WAHLANG	A
10	22IABBA010	B SOHIT SIVARAJ	P
11	22IABBA011	DARSHAN RAJ S	P
12	22IABBA012	GHARADE SAHIL SHAFFIQ	P
13	22IABBA013	IRFAN PASHA	A
14	22IABBA014	J MOHAMMED ZAMEER	P
15	22IABBA015	JENNIFER B	P
16	22IABBA016	JERSEY A	P
17	22IABBA017	JISHNU RAGHAVENDRA J	A
18	22IABBA018	JOHN VARSHA	P
19	22IABBA019	JOSHUA S	P
20	22IABBA020	KADIRESH J	P
21	22IABBA021	KIPANGA MAYOMBO EMMANUELLA	A
22	22IABBA022	KIRAN K	P
23	22IABBA023	LIKITH M	P
24	22IABBA024	LUVINA J	P
25	22IABBA025	MANOJ D	A
26	22IABBA026	MEENA M	P
27	22IABBA027	MOHAMMED AMEEN	P
28	22IABBA028	MOHAMMED IMAD	P
29	22IABBA029	MOHAMMED MUDASER	P
30	22IABBA030	MOHAMMED NABEEL	A
31	22IABBA031	MOHAMMED OWAIZ B	P
32	22IABBA032	MOHAMMED UMMAR FAROOQ	P
33	22IABBA033	NAWAZ PASHA	A
34	22IABBA034	NDEMBA MULOPO PLAMEDIE	A
35	22IABBA035	NIKHAT FATHIMA S	P
36	22IABBA036	P S ASHOKA	A
37	22IABBA037	PALLAVI A	P
38	22IABBA038	PAVAN ANTONY RAJ	P
39	22IABBA039	PRIYA S	P
40	22IABBA040	R SAI NIKHIL	A

41	22IABBA041	REBANTA BAHADUR RAWAL	P
42	22IABBA042	REHANA BANU	P
43	22IABBA043	RICHARD PAUL J	P
44	22IABBA044	SALMA SULTANA	A
45	22IABBA045	SANGEETH JOJY	P
46	22IABBA046	SANIYA FAIZAN	P
47	22IABBA047	SANJAY S	P
48	22IABBA048	SAROJ THAPA C	A
49	22IABBA049	SHARATH SAGAR	A
50	22IABBA050	SOORAJ S	P
51	22IABBA051	SYED SULAIMAN	P
52	22IABBA052	SYEDA SADIYA MEHAK	P
53	22IABBA053	TABREZ PASHA	A
54	22IABBA054	THANUSHREE V	P
55	22IABBA055	THULASI RAMAN B	P
56	22IABBA056	U A JEELAN BASHA	P
57	22IABBA057	UBAID UR RAHMAN	P
58	22IABBA058	UTUKURI NAGARJUNA	P
59	22IABBA059	VIGNESH KUMAR V	P
60	22IABBA060	VIJAY KUMAR B	A
61	22IABBA061	VINAY S	P
62	22IABBA062	VINISHA K	P
63	22IABBA063	YARA SUNIL.	A
64	22IABBA064	BALA SAI THARUN	A



Auty

INDIAN ACADEMY DEGREE COLLEGE -
AUTONOMOUS
HENNUR MAIN ROAD
BANGALORE - 560022

Y. K. Hart
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE - 560022

INDIAN ACADEMY

Degree College - Autonomous

Department of Business Administration

Title: Peer Learning

Name of the Subject: Business Mathematics

Date: 16/5/2024 to 18/2/2024

Time: 2.00pm -4.00pm

Venue: Class Room 518

Target Audience: II SEM BBA 2023 Batch

Faculty: Bhavani Kumari G

Objectives of the programme:

1. Improve students understanding and retention of mathematical concepts.
2. Enhance students academic performance through collaborative learning.
3. To build students confidence in mathematics by encouraging active participation and problem-solving.
4. To foster communication, leadership, and teamwork skills among students.
5. To create a supportive learning environment that reduces math anxiety.

Report:

Introduction

The Peer Learning Program in Mathematics was designed to create a collaborative learning environment where students can support each other in mastering mathematical concepts. Peer learning emphasizes active engagement, communication, and teamwork, which are essential for fostering deep understanding and improving academic performance. This report outlines

the structure, implementation, and outcomes of the program, highlighting its impact on students' mathematical learning.

The peer learning was conducted on 16/5/2024 to 18/5/2024 in Class room No.518. The students were allotted each student mentors by the subject teacher and groups were formed according to their learning capabilities. The students were able to communicate easily with their peers and the learning capacity was also developed.

There was improvement in the performance of the students in the mathematics and was able to clear the subjects.

Outcome:

1. Students develop a deeper comprehension of mathematical concepts by explaining them to peers and learning through collaborative problem-solving.
2. Peer learning can lead to better grades and test scores as students clarify doubts, fill knowledge gaps, and practice mathematical reasoning in a supportive setting.
3. Students gain confidence in their abilities as they successfully solve problems and help others understand math concepts.
4. Explaining math ideas to peers improves students' ability to communicate complex information clearly and concisely.

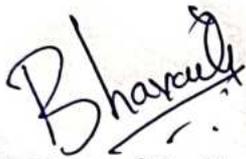
Conclusion:

The peer learning program in mathematics has demonstrated clear benefits for students, enhancing both their academic performance and personal development. Through collaborative learning, students have improved their understanding of mathematical concepts, gained confidence, and developed essential communication and problem-solving skills. The

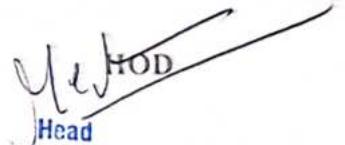
program's focus on mutual support and active engagement has fostered a positive learning environment, reducing math anxiety and promoting a more dynamic approach to learning.

Despite some challenges, such as uneven participation and the need for better time management, the overall impact of the peer learning program has been highly positive. With appropriate adjustments, such as structured roles and extended time for sessions, the program can be even more effective in the future.

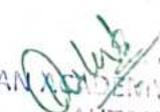
In summary, peer learning in mathematics has proven to be an effective educational strategy, promoting not only better mathematical comprehension but also valuable skills such as teamwork, leadership, and independent learning. It is recommended that this approach be continued and refined to further support students' academic success in mathematics.



Signature of the Faculty



Head
Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
HENNUR MAIN ROAD BANGALORE-43



INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BEN

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF BUSINESS ADMINISTRATION

BUDDY LEARNING

SUBJECT: BUSINESS MATHEMATICS

BATCH:	STUDENTS INCHARGE	NAME OF THE STUDENTS ALLOTTED
BATCH 1	23IABBA007-AISHWARYA K	ABHINAYA R ARHAM ABBAS SAIT DURGA SHREE P K PRAJWAL AKSHATHA S
BATCH 2	23IABBA030-KAVYA B	ABHISHEK C AFRID ULLA KHAN D JUDHA JOHONAN GEETHANJALI N JIM ELLIOT S LINTON RAJESH R BHOOMIKA B
BATCH 3	23IABBA026-HUDA QUBEEN	DILEEPAN R EMMANUEL C GORAKNATH M AUGUSTIN BALRAJ AISHWARYA M ANTONY REZON M LIGODI MANGANZA DAVID
BATCH 4	23IABBA029-KASHIFA	M SINDHU ABHISHA B BHAVANA J G RISHI BHAGAVAN
BATCH 5	23IABBA011-ARBIN BANU	AHMED SHARIEF AKSHATHA S BHOOMIKA SANGAMITHRE M CHALLA NIDHI KRISHNA LAKSHMI PRASAD C R M SINDHU DIVYANKA SHARMA

CLASS TEACHER

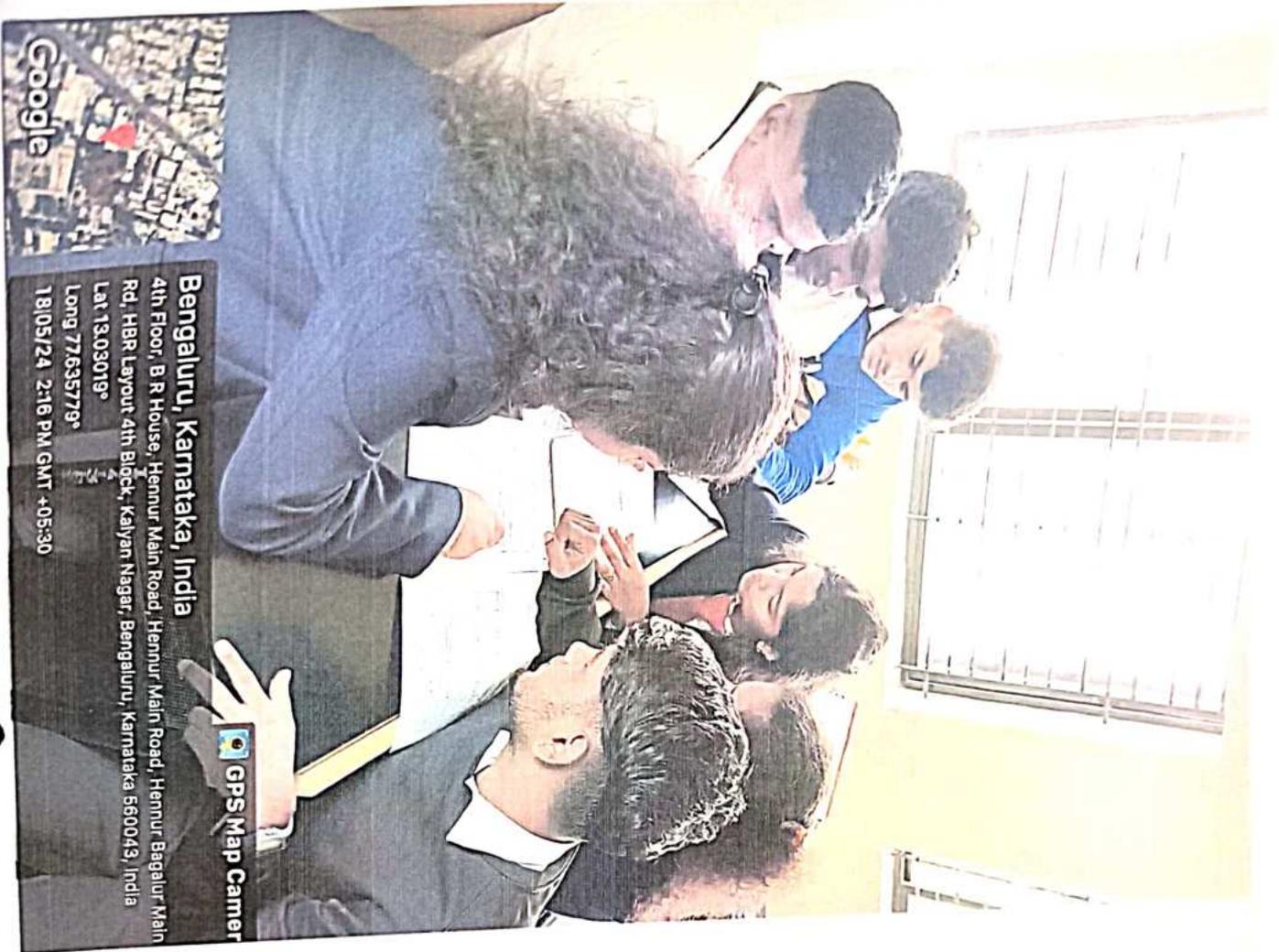
Bhavani

[Signature]
Head

Department of Business Administration
INDIAN ACADEMY
DEGREE COLLEGE - AUTONOMOUS
BANGALORE

Topics covered:

- ① Problems on Quadratic equations, Simultaneous equation
- ② Matrix
- ③ Simple and compound Interest.
- ④ Geometric and Arithmetic Progression.



Google

Bengaluru, Karnataka, India

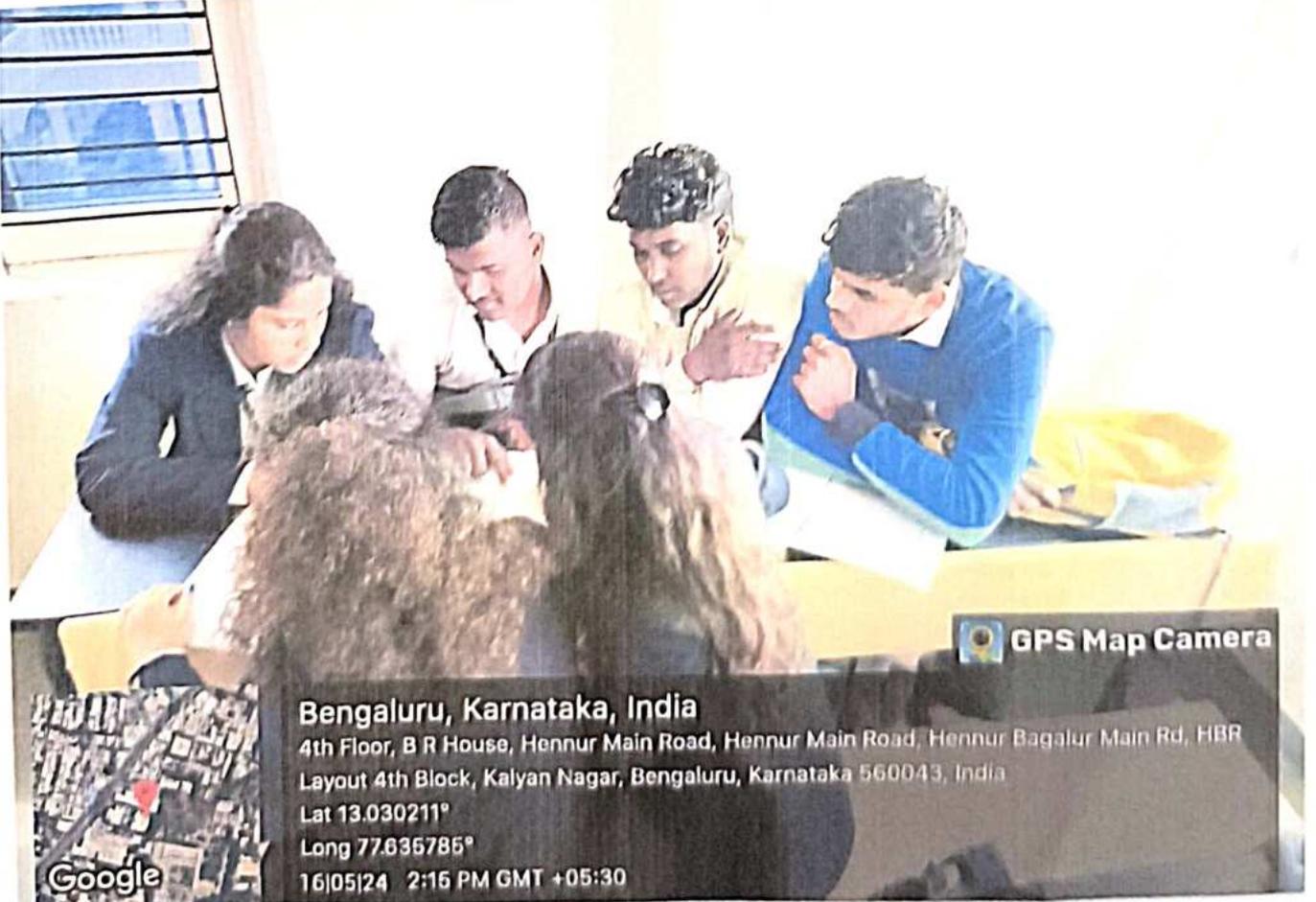
4th Floor, B R House, Hennur Main Road, Hennur Main Road, Hennur Bagalur Main Rd, HBR Layout 4th Block, Kalyan Nagar, Bengaluru, Karnataka 560043, India

Lat 13.03019°

Long 77.635779°

18|05|24 2:16 PM GMT +05:30

GPS Map Camera



Google

Bengaluru, Karnataka, India

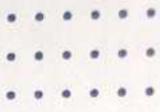
4th Floor, B R House, Hennur Main Road, Hennur Main Road, Hennur Bagalur Main Rd, HBR Layout 4th Block, Kalyan Nagar, Bengaluru, Karnataka 560043, India

Lat 13.030211°

Long 77.636785°

16|05|24 2:15 PM GMT +05:30

GPS Map Camera



Department of Life Sciences

in Association with

bionivid

A Guest talk On



“GENOMICS: CURRENT TRENDS & CAREER OPPORTUNITIES”



Friday, 8th September 2023
10:00 am - 11:00 am



Seminar Hall - II

Target Audience:

Faculty and Final Year M.Sc. Life Sciences Students of IADC-A.



Guest Speaker:

Dr. Roli Budhwar

Co-Founder and Chief Operations Officer,
Specialist in NGS, Bionivid Technology [P] Ltd,
Banaswadi, Bengaluru.

Coordinators:

Dr. Erumalla Venkata Nagaraju

Dr. Kalaiyarasu

Dr. Sahithya K

Dr. Ananda Vardhan.H
Head of Life Sciences

Dr. Bilikere S. Dwarakanath
Research Advisor

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Dr. N. Thilaka
Principal, IADC-A
INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS
MUNNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

04-09-2023

To

The Principal,
IADC-A
Bangalore.

Sub: Request to conduct a Guest talk on "**Genomics: Current Trends & Career Opportunities**" for faculty and final year M.Sc. Life Sciences students of IADC-A on 8th September 2023.

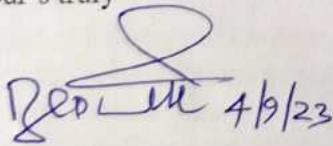
Respected Madam,

The Department of Life Sciences in association with Bionivid Technology [P] Ltd. is planning to organize a Guest lecture for faculty and final year M.Sc. Life Sciences students of IADC-A on the topic "**Genomics: Current Trends & Career Opportunities**". The resource person is Dr. Roli Budhwar, Co-Founder & COO, Specialist in NGS, Bionivid Technology [P] Ltd, Banaswadi, Bengaluru.

We seek your kind permission to arrange this lecture on 8th September, 2023 from 10:00 AM to 11:00 AM in SH II-IADC-A and approve the budget of Rs.1430 for the same.

Thanking you,

Your's truly


4/9/23

for.
Dr. Ananda Vardhan H
Professor and Head
Dept. of Life Sciences
IADC-A

HEAD
Department of Bio-Chemistry
I. A. D. C. and Centre For
Research & Post Graduate Studies
Bangalore

ROLI BUDHWAR
E-1102, Purva Venezia, Yelahanka Newtown, Bangalore
560064
Contact: +91-9740044772; E-mail: tandonroli1@gmail.com,
<https://www.linkedin.com/in/budhwarr/>



CURRENT DESIGNATION & ORGANIZATION

CHIEF OPERATIONS OFFICER (BIONIVID TECHNOLOGY PRIVATE LIMITED) Jan 2017- Present

Professional Summary

Results-driven Chief Operating Officer with a proven track record in genomics and life sciences. Adept at managing daily operations, leading cross-functional teams, and implementing strategic methodologies. Expertise in next-generation sequencing (NGS) data analysis and bioinformatics, with a strong foundation in molecular biology and experimental research. Proven ability to drive innovation, lead high-performing teams, and contribute to cutting-edge advancements in the genomics industry. Achieved success with peer reviewed publication in the field of Oncology and Genomics illustrating strong scientific background and recognition from scientific community.

Job Responsibilities

- Directed daily operations, overseeing coordination between departments including human resources, marketing, development, accounting, and data analytics.
- Formulated and executed operational policies, communicating policy changes to department supervisors.
- Developed and implemented methodologies and tools based on industry trends and emerging technologies.
- Led a team of genome analysts and analysis department, ensuring timely and efficient project management and support services.
- Provided expertise in NGS data analysis, interpretation, and strategic project planning for clients.
- Mentored and trained Master's, PhD scholars, and research scientists in high-throughput genomics data analytics.

TECHNICAL PROFICIENCY (NEXT GENERATION SEQUENCING)

In-depth knowledge in setting up workflows and performing the analysis using **short** and **long** read technology such as:

- Whole Genome Sequencing analysis of Bacteria and Eukaryotes.
- Comparative genomics, Phylogeny and Resistance analysis with respect to prokaryotic/Eukaryotic genome.
- De-novo Transcriptome Analysis of Bacteria, Fungi and Higher Eukaryotes.
- Variation analysis (Functional and Structural) with respect to Whole Genome.
- Exome/ targeted Resequencing analytics identify SNV / MNV / SV, dbSNP Annotation, Variation Effect Prediction, & its clinical correlation.
- RNA Resequencing Analysis of Bacteria and Eukaryotes, expression profiling and Differential Gene Expression Analysis with respect to RNA Seq.
- Dual Transcriptome (Host-Pathogen) analysis.
- Metagenomics 16srRNA Analysis & Microbiome analysis.
- SmallRNAome & miRNA profiling, miRNA target prediction & pathway analysis.
- Epigenomics
- Single Cell Analysis

BIOINFORMATICS SKILLS:

- Developed analysis pipelines for NGS using R, awk, bash, and other scripting languages.
- Proficient in statistical analysis, scientific programming, and collaboration with experts.
- Strong communication skills for presenting results and methods to academic collaborators.

PAST PROFESSIONAL EXPERIENCE

MOUNT SINAI SCHOOLS OF MEDICINE, NEWYORK, USA 2007-2011
Post-Doctoral Fellow, Dept. of Pharmacology and System Therapeutics

- Conducted research in signal transduction pathways and protein interactions
- Introduced confocal microscopy techniques to the laboratory

MOLECULAR BIOLOGY LAB, KOPFCLINIC, UNIVERSITY HEIDELBERG, GERMANY 2006-2007
Guest Scientist

- Conducted proteomics analysis on Head and Neck Squamous Cell Carcinomas.

GERMAN CANCER RESEARCH CENTRE (DKFZ), HEIDELBERG, GERMANY 2005-2006
PostDoctoral Fellow

- Explored the chemo preventive potential of seaweed extracts in colon cancer cells.

INSTITUTE OF BIOCHEMISTRY II, FRANKFURT UNIVERSITY HOSPITAL FRANKFURT Jan'05-Apr'05
Guest

- Investigated cGMP-signalling in Human Platelets.

CSIR- INDIAN INSTITUTE OF TOXICOLOGICAL RESEARCH, LUCKNOW, INDIA 2000-2004
Graduate Researcher and CSIR-Fellow; Advisor Dr. Sushil Kumar

- Developed an in vitro model of chromium carcinogenesis
- Evaluated chemo preventive potential of antioxidants.

EDUCATIONAL CREDENTIALS

Ph.D Life Sciences, 2005

CSIR-Indian Institute of Toxicological Research, Lucknow, India

Dissertation: Newer studies on hexavalent chromium toxicity in humans and its amelioration in experimental systems

MSc. Life Sciences, 1999

Dr. RML. Avadh University, Faizabad, India

B.Sc., Zoology, Botany, and Chemistry, 1996

Dr. RML. Avadh University, Faizabad, India

Associations

Indian Association of Cancer Research

Peer-Reviewed Publications:

https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=roli+budhwar&btnG

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

04-09-2023

CIRCULAR

The Department of Life Sciences in association with Bionivid Technology [P] Ltd. is planning to organize a Guest talk for faculty and final year M.Sc. Life Sciences students of IADC-A on the topic “**Genomics: Current Trends & Career Opportunities**” on 8th September 2023.

Resource Person	Topic	Date and Time	Venue
Dr.Roli Budhwar Co-Founder and Chief Operations Officer Specialist in NGS Bionivid Technology [P] Ltd, Banaswadi, Bengaluru.	Genomics: Current Trends & Career Opportunities	8 th September, 2023 10:00 AM to 11:00AM	SH II, IADC-A

Objectives:

- To introduce current tools and techniques of next generation sequencing that are crucial for multidisciplinary academic and research endeavours.
- To empower faculty to use NGS tools and techniques in their academic and research activities
- To create awareness among students about the career opportunities in NGS.

Outcomes:

Gain knowledge about current NGS applications, chemistry behind NGS applications, designing experiments followed by problem solving.

Dr.N.Thilaka
4/9/2023

Dr.N.Thilaka

Principal-IADC-A

PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

HENNUR MAIN ROAD

BENGALURU - 43



Life Science Program Co-ordinators

- 1) Genetics - Dr. Subha Beduan.
- 2) Microbiology - Dr. Pandian
- 3) Biotechnology - Dr. Ramakandha Muthy
- 4) Zoology - Dr. Sangeetha
- 5)

Signature

- Shubha
04/09/2023

- For Beduan

- For Muthy
04/09/2023

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

Flyer contents:

Organizers	Resource Person	Topic	Date & Time	Venue
Department of Life Sciences in association with Bionivid Technology [P] Ltd. Coordinators: Dr. Erumalla Venkata Nagaraju Dr. Kalaiyarasu Dr. Sahithya K Dr. Ananda Vardhan.H. Head of Life sciences Dr. Bilikere S. Dwarakanath Research Advisor	Dr. Roli Budhwar Co-Founder and Chief Operations Officer Specialist in NGS Bionivid Technology [P] Ltd, Banaswadi, Bengaluru.	A Guest talk on "Genomics: Current Trends & Career Opportunities"	8 th September 2023 10:00AM-11:00AM Target audience: Faculty and final year M.Sc. Life Sciences students of IADC-A.	Seminar Hall II IADC-A

Photo:

Dr. Roli Budhwar

Dr. N. Thilaka



Dr. N. Thilaka
9/9/2023

Dr. N. Thilaka

Principal-IADC-A

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

PROGRAM BUDGET

Guest Talk

Topic: Genomics: Current Trends & Career Opportunities

Resource Person: Dr. Roli Budhwar, Co-Founder and Chief Operations Officer, Specialist in NGS, Bionivid Technology [P] Ltd, Banaswadi, Bengaluru.

Sl no	Particulars	Unit price	Quantity	Total amount(Rs.)
1	Saplings	200.00	03	600.00
2	Water bottles	10.00	03	30.00
3	Memento		1	500.00
4	Guest Refreshment	100	03	300
Grand Total (Fourteen hundred thirty rupees) Rs.1430				

Note: Rohit Nandan Shukla- CEO and Vinita Menon- Director of Bionivid Technology [P] Ltd visit IADC-Ato discuss research and academic collaboration.

Dr. N. Thilaka
Dr.N.Thilaka

Principal-IADC-A

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

Guest Talk

Genomics: Current Trends and Career Opportunities
on 8th September, 2023

- 1. Title of the Event and the Funding Agency:** Guest talk on “Current Trends and Career Opportunities”, organized by the Department of Life Sciences, IADCA in association with, Bionivid Technology [P] Ltd, Bengaluru.
- 2. Venue:** Seminar Hall II, IADCA
- 3. Date:** 8th September, 2023
- 4. Time:** 10.00am to 11.00am
- 5. Name of the Resource Persons:**
 - Dr. Roli Budhwar, Co-Founder & COO, Specialist in NGS, Bionivid Technology [P] Ltd, Banaswadi, Bengaluru.

6. Broad Aim of the Event:

Genomics continues to drive innovation in biology, healthcare, and beyond, with ongoing advancements in technology, data analysis, and our understanding of the genome. The field presents a wide range of career opportunities for individuals passionate about genetics, bioinformatics, healthcare, and research, making it an exciting and rewarding field to pursue. As genomics continues to evolve, it holds the promise of transforming healthcare and addressing some of the most pressing challenges in human health and biology.

The event is conducted to empower the faculty and students and motivate them to adopt techniques of NGS in their academic and research activities.

7. Objectives:

- To introduce current tools and techniques of next generation sequencing that are pivotal for multidisciplinary academic and research.
- To empower faculty to adopt the tools and techniques of NGS in their academic and research activities.
- To create awareness among students about the career opportunities in NGS.

8. Outcomes:

- Gain knowledge about current NGS applications, the chemistry behind NGS applications, designing experiments followed by problem solving.

9. Brief details about the event:

The Department of Life Sciences, IADCA organized a guest talk on "Current Trends and Career Opportunities", in association with Bionivid Technology [P] Ltd, Bengaluru. The program was conducted in Seminar Hall II on 8th September, 2023 from 10.00 am to 11.00 am for all faculty and students of Life Sciences, IADCA.

Guest talk on Current Trends and Career Opportunities

The resource person on 8th September, 2023 was Dr. Roli Budhwar, Co-Founder & COO, Specialist in NGS, Bionivid Technology [P] Ltd, Banaswadi, Bengaluru. She delivered an expert talk on Current Trends and Career Opportunities. As genomics continues to advance, its transformative impact will continue to unfold, offering new possibilities and opportunities for scientific discovery, technological innovation, and societal progress. By focusing the advancements, the session started with explaining the applications of genomics from personalized medicine to sustainable agriculture, from biotechnological innovation to biodiversity conservation and how genomics empowered us to unlock the genetic mysteries of life and harness its potential for the betterment of humanity and the planet.

10. Photographs



Introduction of Guest by Dr. Ananda Vardhan H, HOD Life Sciences

INDIAN ACADEMY

Degree College - Autonomous

Guest Talk

Genomics: Current Trends and Career Opportunities
on 8th September, 2023

Photographs



Introduction of Guest by Dr. Ananda Vardhan H, HOD Life Sciences

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Talk by Dr. Roli Budhwar, Co-Founder & COO, Specialist in NGS, Bionivid Technology [P] Ltd, Banaswadi, Bengaluru



Participated Faculty and Students

PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



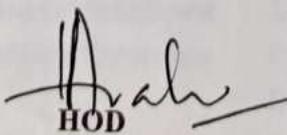


Felicitation of Guest by Research Advisor Dr. Dwarakanath B



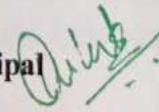
Life Sciences Faculty with Bionivid Technology [P] Ltd, Team

Faculty Incharge


HOD
HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal


PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar

Date: 08-09-2023

Venue: SH II

Time: 10:00 AM -11.00 AM

Student Attendance

Sl.No.	Student name	Department	Class/Sem	Signature
01	Jayasree Raju.K	MSc BIOTECHNOLOGY	IV sem	
02	Bhavani.S	MSc BIOTECHNOLOGY	IV th sem	
03	Nitesh Gowda.S	M.Sc BIOTECHNOLOGY	IV th Sem	
04	Shashan K Gowda P	MSc Biochemistry	IV th Sem	
05	Mahadevprasad B	MSc Biochemistry	IV th sem	
06	Tulasi Prasad	MSc Biochemistry	IV th Sem	
07	Vidhya Sagar	MSc Biochemistry	IV th Sem	
08	Chaitra.S	MSc Biochemistry	IV th sem	
09	Veena.N	M.Sc Biotechnology	IV th sem	
10.	Tejaswini Hegde	MSc - Biotechnology	II Sem	
11.	Keerthana.	MSc. Biotechnology	II Sem	

Sl.No.	Student name	Department	Class/Sem	Signature
12.	Gayathri .H.N	MSc Biotech	II Sem	Gayathri
13.	Souvik	MS Biotech	II Sem	Souvik
14.	Chiranth.	MSc Biotech	II Sem	Chiranth
15.	Hema Bindu	MSc Bio tech	II Sem	Hema
16.	Kiran Kumar	MSc Biotech	II Sem	Kiran
17.	Chethan Kumar	MSc Biotech	II Sem	Chethan
18.	Inchara .	MSc Biotech	2nd Sem	Inchara
19.	Sneha Manna	M.Sc. Biotech.	II Sem.	Sneha
20.	Suparna Biswas	M.Sc. BT	II sem	Suparna
21.	Govardhini .K	MSc BT	II sem	Govardhini
22.	Kanya Shree N	MSc BT	II sem	Kanya
23.	K. Hadiya	MSc. BT	IV sem	Hadiya
24.	Veekshitha .D.C	MSc Biotech	IV sem	Veekshitha
25.	Lakshmi Priya .S	MSc. Biotech	II Sem	Lakshmi
26.	Namratha M	BSc Biotech	II Sem	Namratha

Event Coordinators:

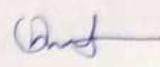
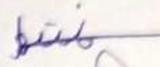
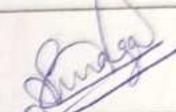
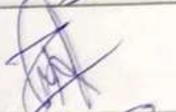
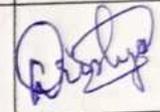
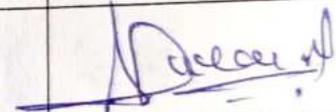
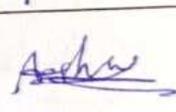
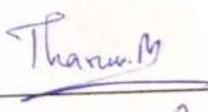
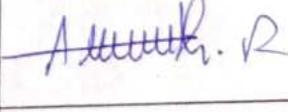
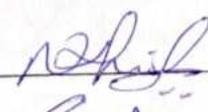
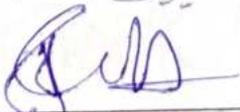
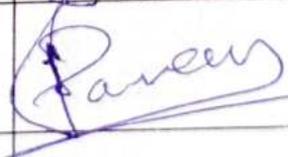
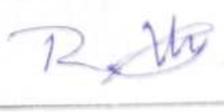
Head of Life sciences

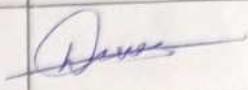
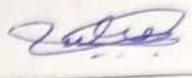
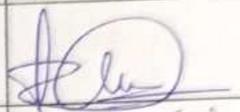
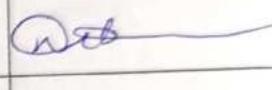
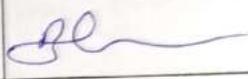
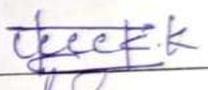
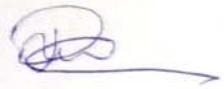


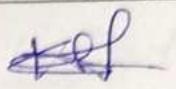
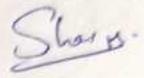
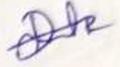
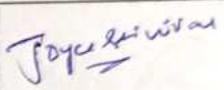
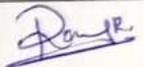
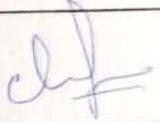
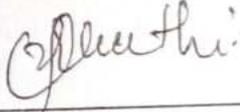
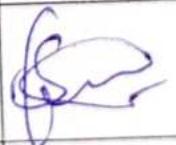
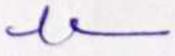
Sl.No.	Student name	Department	Class/Sem	Signature
27.	Likhitika.L	Msc Biotech	II sem	
28.	Lakshmi CK	Msc Biotech	II Sem	
29.	Vijayalakshmi B.L	Msc Biotech	II Sem	
30.	Nithya K.R	Msc Biotech	II Sem	
31.	Nanya Jyothi	Msc Biotech	II Sem	
32.	Sushmitha	Msc Biotech	II sem	
33.	Swathi.M	Msc Biochem	IV sem	
34.	Nirmal kumar	Msc Biochem	IV sem	
35.	Sanjay H.R	Msc Biochem	IV sem	
36.	Monalisha.M	M.Sc (MB)	IV sem	
37.	Alice sheba.S	M.Sc (MB)	IV sem	
38.	Raghevi, K.V	M.Sc (MB)	IV sem	
39.	B. priyanka	M.Sc (MB)	IV sem	
40.	Hajira Fathima	M.Sc (MB)	II sem	
		M.Sc (MB)	II sem	

Sl.No.	Student name	Department	Class/Sem	Signature
42.	Sangeetha. S	M.Sc [BT]	II Sem	
43.	Rachel	M.Sc [BT]	II Sem	
44.	Surya. S	M.Sc [BT]	II Sem	
45.	Pallavi	M.Sc [BT]	II Sem	
46.	Swetha	M.Sc [BT]	II Sem	
47.	Chaithra	M.Sc [BT]	II Sem	
48.	Aiyyappa	M.Sc [BT]	II Sem	
49.	Indra Kumar	M.Sc [BT]	II Sem	
50.	Mahendra M	M.Sc [BT]	II Sem	
51.	Bravya C	M.Sc (BT)	II Sem	
52.	Navya. CM	M.Sc (BT)	II Sem	
53.	Neemashree. N	M.Sc (BT)	IV Sem	
54.	Manasa. N	M.Sc (BT)	V Sem	
55.	Aishwarya Pathak	M.Sc (MB)	II Sem	
56.	Grace peniel A Raju	M.Sc [MB]	II Sem	

Sl.No.	Student name	Department	Class/Sem	Signature
57	Nerajkrishna. v.s	Microbiology	II Sem	
58	Rishma. R. N.	Microbiology	II nd Sem	
59	Varun. km	Microbiology	II nd Sem	
60	Pruthvi. Raj. R	Microbiology	II nd Sem	
61.	Growtham. Cr.V	Microbiology	II nd Sem	
62.	Hanshitha N.R	Microbiology	II nd Sem	
63.	Maria Preethi	Microbiology	II sem	
64.	Aliya Fathima	Biochemistry	II sem	
65.	Afza Kousar	Biochemistry	II Sem	
66	Nousheen Fathima	Biochemistry	II sem	
67	Arshiya Fathima	Biochemistry	II sem	
68	Mohan S	Biochemistry	II sem	
69	manjvath	Biochemistry	II sem	
70	Chaitra. c	Biochemistry	II Sem	Chaitra. c
71	Lakshmi. K. S	Biochemistry	II Sem	Lakshmi

Sl.No.	Student name	Department	Class/Sem	Signature
72	UMME UL NIDA	MSc - BIOCHEM	IV th SEM	
73	Aishwarya. H	MSc-A. Genetics	IV th sem	
74	Swagata Bhattacharya	MSc.A. Genetics	IV th sem	
75	Riya Prasad	MSc.A. Genetics	IV th sem	
76	Barika. SR	MSc - BC	II nd sem	
77.	Drishya. RR	MSc - Bc	II nd sem	
78.	Prathusha. k	MSc. Bc	II nd sem	
79.	Pavan. N	MSc. Bc	II nd sem	
80.	Ashwini ^o R.	MSc. Bc	II nd sem	
81.	Tharun. M	MSc - Bc	II nd sem	
82.	Ambuth. R	MSc - Bc	II nd sem	
83	Nithil. I.A	Msc - MB	II nd sem	
84	Jeevanth	Msc - MB	4 th SEM	
85	Pavan Kumar	Msc - MB	4 th SEM	
86	Vijay	Msc - MB	2 nd Sem	

Sl.No.	Student name	Department	Class/Sem	Signature
87	Deevenkumar	Microbiology	MSc-2 nd Sem	
89	Nithin.S	MSc-MB	1 st Year	
90	Chandan.P	MSc-MB	I st Sem	
91	NITHIN KUMAR CV	MSc Biotechnology	1 st year	
92	Bhavan Kumar A	—	—	
93	Ashok K	M.Sc. Genetics	1 st year	
94	Aishwarya S	M.Sc Genetics	- - -	
95	Deekshitha.S	- - -	- - -	
96	Haridev.	- - -	- - -	
97	Sidra	M.Sc Microbiology	4 th Sem	Sidra
98	Sandhya	"	"	Sandhya
99	Sukanya	"	"	Sukanya Dutta 8-9-23
100	Pooja Pandey	"	"	Pooja Pandey
101	Ranjith Kumar	"	"	Ranjith
102	Rinkang.S	"	"	Rinkang

Sl.No.	Student name	Department	Class/Sem	Signature
103	Jeevitha Vaema	Microbiology	IV th Sem	
104	Shalini.M	Microbiology	IV Sem	
105	Dnyo R	Microbiology	IV sem	
106	Konalisaos	Microbiology	IV th Sem	Konalisaos
107	Joyce Madalene	Microbiology	IV th Sem	
108	Rakesh R	Microbiology	IV th Sem	
109	Chandrakata.L	Microbiology	IV Sem	
110	Shilpa.S	Microbiology	IV Sem	
111	Preethi V	Biotechnology	MSc IV Sem	
112	Niveditha.V	- 11 -	- 11 -	Niveditha.V
113	Soundarya More	- 11 -	MSc II Sem	Soundarya
114	Kusma AB	- 11 -	MSc II Sem	Kusuma
115	Kavya M	- 11 -	MSc II Sem	Kavya.M
116	Sindhana.S	Microbiology	MSc - II Sem	
117	Spandha B D			

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

Faculty Attendance

Sl.No.	Faculty name	Department	Signature
1.	Dr. Dwasaknath. B.S.	Life Science	
2.	Dr. Anandha Vaidhan	"	
3.	Dr. Malaiyasasa .P.	"	
4.	Dr. RAMA CHANDRA MURTHY	"	
5.	Prof. Dilslad Begum	Life Science (Biochemistry)	
6.	Dr. Shubha Rajiv	Life Science	Shubha 08/09/2023
7.	Dr. Pushpa	Life Science	Pushpa
8.	Dr. Vanitha & Pamesh	Life Sciences	08/09/23
9.	Dr. K. Sahithya	Life Science	8/9/23
10.	Ms. Anath. -ul-ain	Life Sciences	8/9/23

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: **Dr. Roli Budhwar**
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Souvik Bhenia*
Department: *MSc Biotechnology (II SEM)*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|----------|---|---|---|---|
| 1. Overall view of the program | <i>5</i> | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <i>5</i> | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <i>5</i> | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <i>5</i> | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <i>5</i> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <i>5</i> | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | <i>5</i> | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement? *NO*

Souvik

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *HEMA BINDU - C*
Department: *M.Sc BIOTECH II SEM*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|----------|
| 1. Overall view of the program | 5 | ④ | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | ③ | 2 | 1 |
| 3. It was worth spending time | 5 | ④ | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | ④ | 3 | 2 | 1 |
| 5. The talk was knowledgeable | ⑤ | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | ④ | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | ④ | 3 | 2 | 1 |
| 8. Would you be interested in more sessions like this in future? | | | | | Yes / No |
| 9. Anysuggestions for improvement? | | | | | |

Hemabindu
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: Mahadevjoswad B
Department: M.Sc Biochemistry

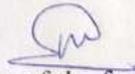
Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	5	4	3	2	1
2. The talk was well paced within the allotted time	5	4	3	2	1
3. It was worth spending time	5	4	3	2	1
4. The talk was interactive	5	4	3	2	1
5. The talk was knowledgeable	5	4	3	2	1
6. Did the program make you appreciate/enjoy/think	5	4	3	2	1
7. Usefulness of this session in your academics and research	5	4	3	2	1

8. Would you be interested in more sessions like this in future?


Yes / No

9. Any suggestions for improvement?


Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Tulsi Prasad*
Department: *MSc Biochemistry*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---------------------------------------|---------------------------------------|---|---|---|
| 1. Overall view of the program | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | <input checked="" type="checkbox"/> 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | 5 | <input checked="" type="checkbox"/> 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Tulsi Prasad
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?
9. Any suggestions for improvement?

Yes / No

Pavan Kumar
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: **Dr. Roli Budhwar**
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Monalisha.M*
Department: *Microbiology*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|----------|
| 1. Overall view of the program | ⑤ | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | ⑤ | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | ⑤ | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | ⑤ | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | ⑤ | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | ⑤ | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | ⑤ | 4 | 3 | 2 | 1 |
| 8. Would you be interested in more sessions like this in future? | | | | | Yes / No |
| 9. Any suggestions for improvement? | | | | | |

Monalisha
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Nikhil TA

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Aiyappan M*
Department: *Biochemistry*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|----------|----------|----------|----------|---|
| 1. Overall view of the program | 5 | <u>4</u> | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | <u>4</u> | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | <u>3</u> | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | <u>2</u> | 1 |
| 5. The talk was knowledgeable | <u>5</u> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | <u>3</u> | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | <u>4</u> | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

improve slides with diagrams (pictures)

Aiyappan
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: **Dr. Roli Budhwar**
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---------------------------------------|---------------------------------------|---|---|---|
| 1. Overall view of the program | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | <input checked="" type="checkbox"/> 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | <input checked="" type="checkbox"/> 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | 5 | <input checked="" type="checkbox"/> 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future? Yes / No
9. Any suggestions for improvement?

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: SUSHMITHA · DINESH
Department: MSc · BIOTECHNOLOGY

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | | |
|--|---|---|---|---|---|---|
| 1. Overall view of the program | 5 | ✓ | 3 | 2 | 1 | |
| 2. The talk was well paced within the allotted time | ✓ | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | ✓ | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | ✓ | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | ✓ | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | ✓ | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | ✓ | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Sushmita a. d.

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Lakshmi Priya.S*
Department: *Msc BT*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|------------------------------------|------------------------------------|---|---|---|
| 1. Overall view of the program | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | <input checked="" type="radio"/> 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:

Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | | | |
|--|-------------------------------------|-------------------------------------|---|-------------------------------------|---|---|---|
| 1. Overall view of the program | 5 | <input checked="" type="checkbox"/> | 4 | 3 | 2 | 1 | |
| 2. The talk was well paced within the allotted time | 5 | | 4 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 3. It was worth spending time | <input checked="" type="checkbox"/> | 5 | 4 | 3 | 2 | 1 | |
| 4. The talk was interactive | <input checked="" type="checkbox"/> | 5 | 4 | 3 | 2 | 1 | |
| 5. The talk was knowledgeable | <input checked="" type="checkbox"/> | 5 | 4 | 3 | 2 | 1 | |
| 6. Did the program make you appreciate/enjoy/think | <input checked="" type="checkbox"/> | 5 | 4 | 3 | 2 | 1 | |
| 7. Usefulness of this session in your academics and research | <input checked="" type="checkbox"/> | 5 | 4 | 3 | 2 | 1 | |

8. Would you be interested in more sessions like this in future? Yes / No

9. Any suggestions for improvement?

No suggestions

Kanika M.

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|-----|-----|---|---|
| 1. Overall view of the program | 5 | (4) | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | (3) | 2 | 1 |
| 3. It was worth spending time | 5 | (4) | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | (4) | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | (4) | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | (3) | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | (4) | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

No suggestions


Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:

Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: SINCHANA S

Department: MB

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|----------|---|---|---|
| 1. Overall view of the program | 5 | <u>4</u> | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | <u>4</u> | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | <u>4</u> | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | <u>4</u> | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | <u>4</u> | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | <u>4</u> | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | 5 | <u>4</u> | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?



Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

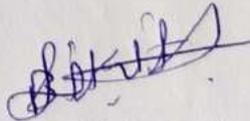
FEEDBACK FORM

Faculty name/Student name:

Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|----------|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |
| 8. Would you be interested in more sessions like this in future? | | | | | Yes / No |
| 9. Any suggestions for improvement? | | | | | |


Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Veekshitha D.C*
Department: *Biotechnology*

Please rate the program from 1 to 5 (5 is for very good).

	5	4	3	2	1
1. Overall view of the program	5	4	3	2	1
2. The talk was well paced within the allotted time	5	4	3	2	1
3. It was worth spending time	5	4	3	2	1
4. The talk was interactive	5	4	3	2	1
5. The talk was knowledgeable	5	4	3	2	1
6. Did the program make you appreciate/enjoy/think	5	4	3	2	1
7. Usefulness of this session in your academics and research	5	4	3	2	1

8. Would you be interested in more sessions like this in future? Yes / No
9. Any suggestions for improvement?

Nothing

Signature of the faculty / Student *Veekshitha*

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|------------------------------------|------------------------------------|---|---|---|
| 1. Overall view of the program | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | <input checked="" type="radio"/> 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Kanishka

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Rnksana S*
Department: *MSc Microbiology*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|-----|-----|-----|---|---|
| 1. Overall view of the program | 5 | (4) | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | (5) | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | (4) | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | (4) | 3 | 2 | 1 |
| 5. The talk was knowledgeable | (5) | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | (4) | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | 5 | 4 | (3) | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Rnksana S
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: **Dr. Roli Budhwar**
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Growtham . G. V. Reddy*
Department: *Microbiology*

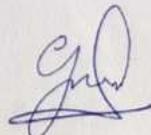
Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|-------------------------------------|-------------------------------------|---|---|
| 1. Overall view of the program | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | <input checked="" type="checkbox"/> | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | <input checked="" type="checkbox"/> | 2 | 1 |
| 4. The talk was interactive | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:

Department:

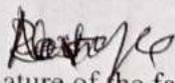
Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | ③ | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | ④ | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | ④ | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | ③ | 2 | 1 |
| 5. The talk was knowledgeable | 5 | ④ | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | ④ | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | ⑤ | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

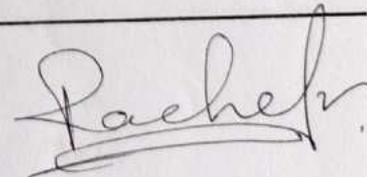
Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---------------------------------------|---------------------------------------|---|---|---|
| 1. Overall view of the program | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <input checked="" type="checkbox"/> 5 | <input checked="" type="checkbox"/> 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | <input checked="" type="checkbox"/> 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <input checked="" type="checkbox"/> 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | 5 | <input checked="" type="checkbox"/> 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?



Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|----------|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |
| 8. Would you be interested in more sessions like this in future? | | | | | Yes / No |
| 9. Any suggestions for improvement? | | | | | |

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|-----|-----|---|---|---|
| 1. Overall view of the program | 5 | ✓ 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | ✓ 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | ✓ 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | ✓ 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | ✓ 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | ✓ 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | ✓ 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future? Yes / No

9. Any suggestions for improvement?

Sangeetha S

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: Nithya KR
Department: M&E [Biotechnology]

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|--------------|--------------|--------------|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future? Yes/No

9. Any suggestions for improvement?

More information regarding career opportunities.

Signature of the faculty /Student

Nithya

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Sueha Manna*

Department: *M.Sc. Biotechnology*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Sueha Manna

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:
Department:

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?
9. Any suggestions for improvement?

Yes / No

Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Varun*
Department: *Microbiology*

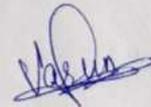
Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|-----|-----|-----|---|---|
| 1. Overall view of the program | 5 ✓ | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 ✓ | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 ✓ | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 ✓ | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 ✓ | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 ✓ | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 ✓ | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?



Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name:

Department: *Dept. Of Biochemistry*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|----------|---|---|---|---|
| 1. Overall view of the program | <i>5</i> | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <i>5</i> | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <i>5</i> | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <i>5</i> | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <i>5</i> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <i>5</i> | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | <i>5</i> | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement? *No, Reduce your internship program fee*

Signature of the faculty /Student



INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: Lakshmi.K.S
Department: Biochemistry

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|--------|--------|---|---|---|
| 1. Overall view of the program | ✓
5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | ✓
5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | ✓
4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | ✓
4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | ✓
5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | ✓
5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | ✓
5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

✓
Yes / No

9. Any suggestions for improvement?

Lakshmi
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: PAVAN . N
Department: Biochemistry

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|-----|-----|---|---|---|
| 1. Overall view of the program | 5 | (4) | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | (5) | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | (4) | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | (4) | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | (4) | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | (4) | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | (4) | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

no

Signature of the faculty /Student
Pavan . N

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: Abhok. K
Department: Bio-technology

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|----------|----------|----------|---|---|
| 1. Overall view of the program | <u>5</u> | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <u>5</u> | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | <u>4</u> | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | <u>4</u> | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <u>5</u> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | <u>3</u> | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | <u>3</u> | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Keep it up!

Abhok. K
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: **Dr. Roli Budhwar**
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: *Shilpa S*
Department: *4th sem MSc Microbiology*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|---|---|---|---|
| 1. Overall view of the program | 5 | ④ | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | ③ | 2 | 1 |
| 3. It was worth spending time | 5 | ④ | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | ③ | 2 | 1 |
| 5. The talk was knowledgeable | 5 | ④ | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | ④ | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | 5 | ④ | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Shilpa S
Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with
Bionivid Technology [P] Ltd

A Guest talk on
Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

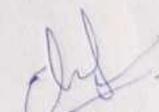
Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: Chandrakala .
Department: 4th Sem MSc Microbiology

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|---|---|---|---|----------|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and research | 5 | 4 | 3 | 2 | 1 |
| 8. Would you be interested in more sessions like this in future? | | | | | Yes / No |
| 9. Any suggestions for improvement? | | | | | |


Signature of the faculty /Student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences in Association with Bionivid Technology [P] Ltd

A Guest talk on Genomics: Current Trends & Career Opportunities

Resource person: Dr. Roli Budhwar
Venue: SH II

Date: 08-09-2023
Time: 10:00AM -11.00AM

FEEDBACK FORM

Faculty name/Student name: Pooja Pandey
Department: MSc Microbiology 4th year

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your academics and
research | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

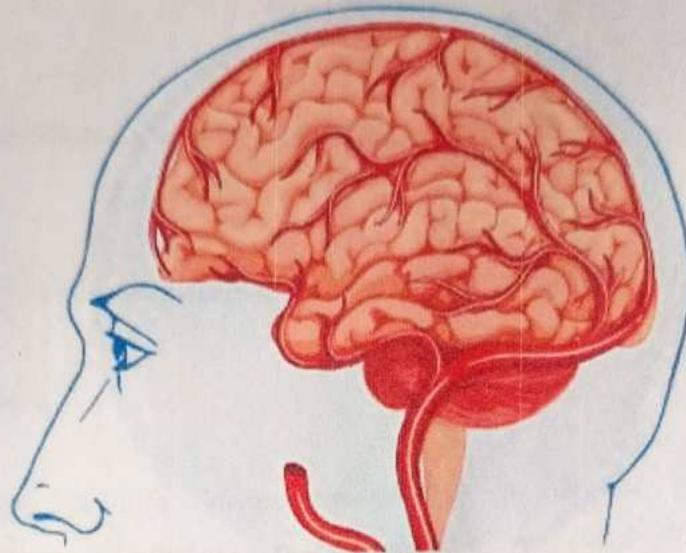
no comments

Pooja
Signature of the faculty /Student

Department of Life Sciences

Organises

Guest Lecture On



THE NEUROSCIENCE OF CONSCIOUSNESS

THE WHAT, THE WHY AND THE HOW

Wednesday, 17th January 2024

11:00 am to 12:00 pm

Seminar Hall - II



Guest Speaker

Dr. Abhilash Dwarakanath,

Post Doctoral Scientist,
Department of Primate Consciousness and Cognition
NeuroSpin, CEA, Paris-Saclay, France.

Arav

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

"Lecture follows an interactive session with students"

Organizing Committee

Dr. Bilikere S Dwarakanath
Research Advisor, IADC-A

Dr. Ananda Vardhan H
HOD - Life Sciences

Dr. N. Thilaka
Principal, IADC-A

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES

To,
The Principal,
Indian Academy Degree College-Autonomous,
Bangalore-43

Date: 26-12-2023

Subject: Request for permission to conduct a Guest lecture on 17th January 2024

Respected Madam,

The Department of Life Sciences would like to organize a Guest lecture on "The Neuroscience of Consciousness – the what, the why and the how" by **Dr. Abhilash Dwarakanath**, Department - Primate Consciousness and Cognition NeuroSpin, CEA, Paris-Saclay, France, for all the UG and PG Life Science students and the details are as follows,

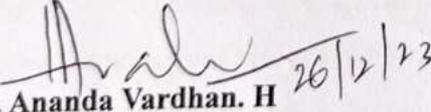
Date: 17-1-2024

Time: 10.15 am – 12.15 pm

Venue: Seminar Hall II

I request you to kindly permit us for the same.

Kind regards,


Dr. Ananda Vardhan. H 26/12/23

HOD-Life Sciences

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Approved
26/12/23

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY
Degree College - Autonomous
DEPARTMENT OF LIFE SCIENCES

Date: 26-12-2023

CIRCULAR

The Department of Life Sciences is organizing a Guest Lecture on "The Neuroscience of Consciousness – the what, the why and the how" by Dr. Abhilash Dwarakanath, Department - Primate Consciousness and Cognition NeuroSpin, CEA, Paris-Saclay, France, on 17-1-2024 for all UG and PG Life Science students from 10.15 AM to 12.15 PM in Seminar Hall II.

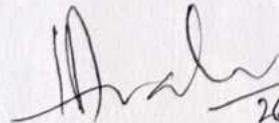
Speaker	Topic	Venue
Dr. Abhilash Dwarakanath Post Doctoral Scientist Department - Primate Consciousness and Cognition NeuroSpin, CEA, Paris-Saclay, France	"The Neuroscience of Consciousness – the what, the why and the how"	Seminar Hall II

Learning Objectives

- To provide a brief overview of neuroscience of consciousness
- To explore the fundamental aspects of wakefulness and cognitive perceptions
- To create awareness among students about how disorders are used to study and understand the neural correlates of conscious perception in humans.

Learning outcomes: At the end of the lecture, students will be able to

- To comprehend the neuroscience of consciousness
- To explore the principles that connect brain activity to conscious experience, and cognitive areas of thinking and understanding
- To gain insights on fields of research with the aid of neural data, computational and psychological models, used to bridge the gulf between brain and consciousness.


26/12/23
Head of Department

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


26/12/23
Principal

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43**

Department of Biotechnology
Department of Microbiology
Department of Biochemistry
Department of Genetics
Department of Zoology

Program Co-ordinator

- E. P. 16/01/2024
- P. 16/01
- P. 16/01
- Shuleha 16/01/2024
- P. 16/01/2024

(PGI students will attend the session. UG students have practical exam).

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
BANGALURU - 56

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

GUEST LECTURE ON
"The Neuroscience of Consciousness"

17.01.24

PROGRAM SCHEDULE

Resource Person: Dr. Abhilash Dwarakanath

MC: Ms Sarika (M.Sc III sem-Biochemistry)

Time	Programme
11:00 AM	Invocation By Mr. Manjunath (<i>M.Sc III sem - Biochemistry</i>)
11:05 AM	Welcome Address (Ms. Sarika)
11:10 AM	Introduction of the Resource Person By: Ms. Abhilasha (<i>M.Sc III sem - Microbiology</i>)
11:15 AM	Guest Lecture by Dr. Abhilash Dwarakanath.
12.10 PM	Q & A Session followed by discussions
12:20 PM	Vote of thanks By: Ms Hema Bindu (<i>M.sc III sem - Biotechnology</i>)

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

Guest lecture

REPORT

Topic : *"The Neuroscience of Consciousness – the what, the why and the how"*

Resource Person: Dr. Abhilash Dwarakanath,

Post Doctoral Scientist

Department - Primate Consciousness and Cognition

NeuroSpin, CEA, Paris-Saclay, France

Date and time: 17th Jan 2024 at 10.15am to 12.15pm

Venue: Seminar Hall II, IADCA

Target audience- PG Students

No. of participants – 200

Broad Aim of the Event: To address the young minds about various scientific innovations emerging in understanding consciousness.

Learning Objectives:

- To provide a brief overview of neuroscience of consciousness
- To explore the fundamental aspects of wakefulness and cognitive perceptions
- To create an awareness among students about how disorders are used to study and understand the neural correlates of conscious perception in humans.

Learning outcomes: At the end of the lecture, students will be able to

- To comprehend the neuroscience of consciousness
- To explore the principles that connect brain activity to conscious experience, and cognitive areas of thinking and understanding

- To gain insights on fields of research with the aid of neural data, computational and psychological models, used to bridge the gulf between brain and consciousness.

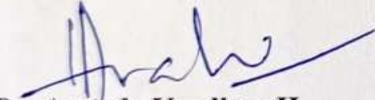
Brief profile of speaker:

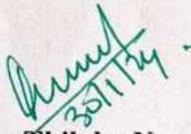
- ❖ Schooling in Delhi and undergraduate (B. Sc) from St. Joseph's College, Bengaluru with a thesis from Defence Institute of Psychological Research, Delhi
- ❖ Master Degree in Neuroscience from Ludwig Maximilian University, Munich, Germany under the Elite Master's program with Master's thesis from Bielefeld University, Germany.
- ❖ Doctoral Research (leading to Ph. D) from Max Plank Institute for Biological Cybernetics, Tübingen, Germany
- ❖ Worked as Research Student and Research Assistant at
 - Cognitive Neurosciences, Bielefeld University
 - Max Plank Institute for Biological Cybernetics, Tübingen
 - Biophysics, Charité, Berlin
 - Bernstein Center for Computational Neurosciences, Munich
- ❖ Published nine (9) research papers (both original research and reviews) in Journals of International Repute like Nature Communications, Neuron, PNAS, Exptl Brain Res., J. Neuroscience.
- ❖ Delivered invited lectures at
 - Baylor College of Medicine, Houston, USA,
 - Chinese Academy of sciences, Shanghai,
 - Mediterranean Conference on Consciousness, Corsica, France,
 - Neurospin, Paris, France,
 - German Neuroscience Society, Göttingen, Germany
- ❖ Recipient of

Max Plank Institute Fellowship for Doctoral Research,
Elite Network Grant of Bavaria,
Research Education and Advancement Program, BASE, Bangalore.

Report :

The Guest Lecture on "The Neuroscience of Consciousness – the what, the why and the how" was started at 11:00AM in presence of The Chairman, IAGI Dr.T.Somasekar and Principal Dr.Thilaka.N., Vice principal, Head, Faculties and PG students of both I semester and III semester. The speaker Dr. Abhilash Dwarakanath, gave insights about the studies conducted in his lab on primates. He enlightened young minds about various scientific aspects how consciousness correlates to our mental abstractions of it. He also emphasized how our brains perceive signals and importance of action potentials and electromagnetism phenomena literally manifests the computations or signaling or information processing/ activities. The talk was awesome throwing lights on various aspects of decoding the neuroscience of consciousness. Program ended by student's interaction with the resource person to imbibe the knowledge on neuroscience.


Dr. Ananda Vardhan H
Professor and Head
Dept of Life Sciences
IADC-A ^{HEAD}
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Dr. Thilaka N
Principal
IADC-A
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

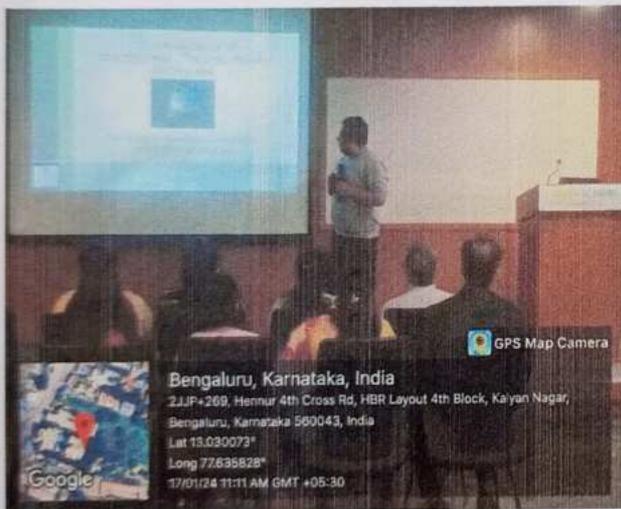
Degree College - Autonomous

Department of Life Sciences Guest lecture REPORT

Photos of guest lecture “The Neuroscience of Consciousness – the what, the why and the how”

Date : 17th Jan 2024

Time: 11:00AM-12:00AM



Principal
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Ananda
Dr. Ananda Vardhan H
 Professor and Head
 Dept of Life Sciences
 IADC-A

Dr. Thilaka N
 Principal
 IADC-A *Thilaka*

PRINCIPAL
 INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 HENNUR MAIN ROAD
 BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on

"The Neuroscience of Consciousness"

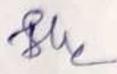
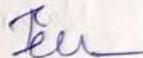
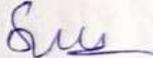
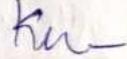
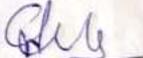
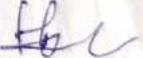
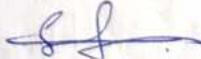
Resource person: Dr. Abhilash Dwarakanath

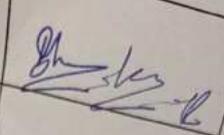
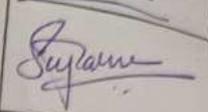
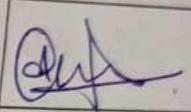
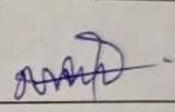
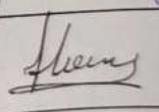
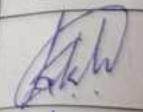
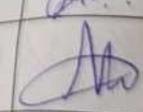
Date: 17-01-2024

Venue: SH II

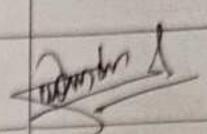
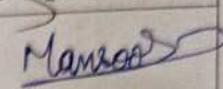
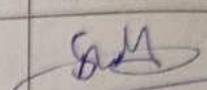
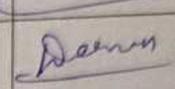
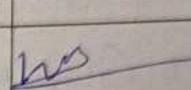
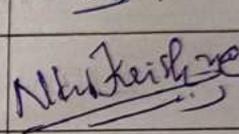
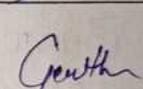
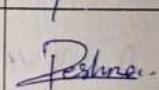
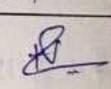
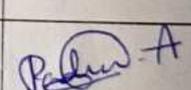
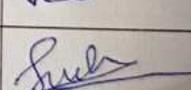
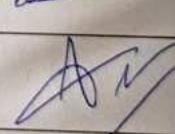
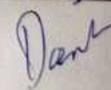
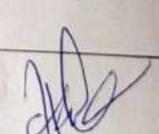
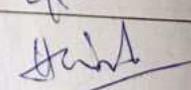
Time: 11:00AM -12.00PM

Attendance

Sl.No.	Student name	Register number	Class/Section	Signature
1	Tyranwini Hegde	22IAM05066	M.Sc BT III sem	
2	Gayathri.H.N	22IAM05034	"	
3	Keerthana.JM	22IAM05044	"	
4	Inchara.R	22IAM05038	"	
5	Souvik.	22IAM05062	"	
6	Kiran kumar	22IAM05045	"	
7	Chiranth.Jain	22IAM05032	"	
8	Chethan.L	22IAM05031	"	
9	Hemabindu	22IAM05037	"	
10	Sweta.M	22IAM05065	"	
11	Pallavi.N	22IAM05054	"	

Sl.No.	Student name	Register number	Class/Section	Signature
12	BHAVAN KUMAR.A	22IAM08027	M.Sc Bioteknologi 4	
13	SURYA.S	22IAM08063	4	
14	Suparna Biswas	22IAM08062	"	
15	Kanya Shree N	22IAM08043	"	Kanyashree
16	Govardhini.K	22IAM08035	"	Govardhini
17	Anjappan.M	22IAM08024	M.Sc BT	
18	Nithin Kumar	22IAM08052	"	
19	Namratha.M	22IAM08050	M.Sc BT	Namratha
20	Kalshni Priya	22IAM08047	M.Sc BT	Kalshni Priya
21	Hema Bindu.C	22IAM08037	M.Sc BT	
22	Chiranth.J.P	22IAM08032	M.Sc BT	Chiranth
23	Kiran Kumar.B	22IAM08045	M.Sc BT	Kiran
24	Lakshmi C.K	22IAM08029	M.Sc BT	
25	Nithya K.R	22IAM08053	M.Sc BT	
26	Soundarya More	22IAM08060	M.Sc BT	

Sl.No.	Student name	Register number	Class/Section	Signature
27	Kavya Arundha M	22IAMOS042	M& BT	Kavya
28	Kusuma A.B	22IAMOS046	Msc BT	Kan
29	Sushmitha	22IAMOS064	Msc BT	Sushmitha
30	Vijayalakshmi B2	22IAMOS067	Msc BT	Vij
31	GOWTHAM B S	22IAMOS036	M.Sc BT	G
32	NAVYA JYOTHI	22IAMOS041	M.Sc BT	Navya Jyothi
33	BHAVYA.C	22IAMOS028	M.Sc BT	B
34	LIKHITHA.	22IAMOS048	M.Sc BT	L
35	BHARDU SAGAR	22IAMOS040	M.Sc BT	B
36	NAVYA.C.M	22IAMOS051	M.Sc BT	Navya.C.M.
37	ARSHITHA PRITHA	22IAMOS0		
38	Chandan.p	22IAMOS130	MSC MB	Chnds
39	Grace	22IAMOS133	MSC MB	gpls
310	Liya	22IAMOS150		Liya
41	Aishwarya	22IAMOS127		Aishwarya
42	Bismil	22IAMOS129		Bismil

Sl.No.	Student name	Register number	Class/Section	Signature
43	Sudakshan	22IAMOS153	MSc MB	
43	Mansoor	22IAMOS140	MSc MB	
45	Nihal	22IAMOS142	MSc MB	
46	Deenan	22IAMOS131	MSc MB	
47	Nijay	22IAMOS148	MSc MB	
48	Maria	22IAMOS139	MSc - MB	
49	Neeraj	22IAMOS141	MSc MB	
50	Ani	22IAMOS128	MSc MB	
51	Gowtham	22IAMOS132	MSc MB	
52	Reshma	22IAMOS149	MSc MB	
53	Harshitha	22IAMOS135	MSc - MB	
54	Padmashree	22IAMOS146	MSc - MB	
55	Suehallauna	22IAMOS059	M.Sc. BT	
56	Aishwarya	22IAMOS001	M.Sc AG	
57	Deekshika	22IAMOS003	M.Sc AU	
58	Haridev	22IAMOS004	II	
59	Heishikesh H	22IAMOS005	II	
60	Manoj	22IAMOS007	II	
61	Nithin S	22IAMOS144	MSc MB	

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on

"The Neuroscience of Consciousness"

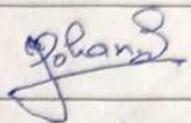
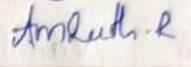
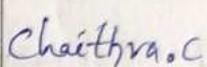
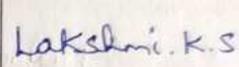
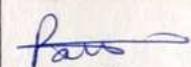
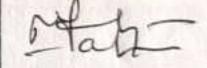
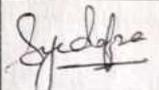
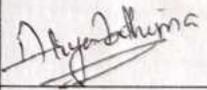
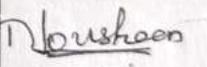
Resource person: Dr. Abhilash Dwarakanath

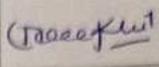
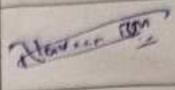
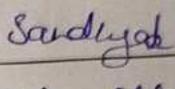
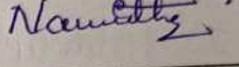
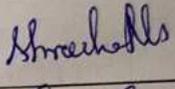
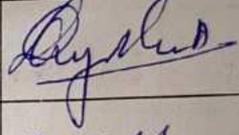
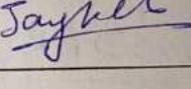
Date: 17-01-2024

Venue: SH II

Time: 11:00AM -12.00PM

Attendance

Sl.No.	Student name	Register number	Class/Section	Signature
1	Mohan.S	22IAMOS019	III MSc(BI)	
2	Amluth.R	22IAMOS011	III MSc(BC)	
3	Chaithra.C	22IAMOS013	II MSc(BC)	
4	Lakshmi.K.S	22IAMOS016	III MSc(BC)	
5	SARJKA.S.R	11 — 022	—	
6	PAVAN.N	— 020	—	
7	Arshiyah Fathima	22IAMOS015	III MSc(BC)	
8	AFAKOUSAR	22IAMOS008	III MSc(BC)	
9	ALYA FATHIMA	22IAMOS009	III MSc(BC)	
10.	NOUSHEEN FATHIMA	22IAMOS156	III MSc(BC)	
11.	Manjmatha.BM	22IAMOS017	III MSc(BC)	

Sl.No.	Student name	Register number	Class/Section	Signature
1	NIKHIL .N		I Msc (BC)	
2	B.M. Naveen		I Msc (BC)	
3	Dewika .N		I Msc (BC)	
4	Sindhu .T		I Msc (BC)	
5	Sandhya .K		I Msc (BC)	
6	Namitha .MA		I Msc (BC)	
7	Shreesh a N S		I. Msc (BC)	
8	Dhanyashree Narayana		I Msc (BC)	
9	Jayashree		I Msc (BC)	

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on

"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath

Date: 17-01-2024

Venue: SH II

Time: 11:00AM - 12:00PM

Attendance

Sl.No.	Student name	Register number	Class/Section	Signature
1.	Kavya.P		I M.Sc Microbiology	<u>Kavya.P</u>
2.	Farheen Banu		I M.Sc Microbiology	<u>Farheen Banu</u>
3.	Joshua.K		I st M.Sc. Microbiology	<u>Joshua</u>
4.	Waqi Khan		M.Sc 1 st yr MB	<u>Waqi</u>
5.	Rahul.C		1 st sem, msc microbiology	<u>Rahul.C</u>
6.	Samia.		1 st sem MSc Microbiology.	<u>S.C.</u>
7.	Kanitha .		1 st sem MSc Microbiology	<u>Kanitha</u>
8.	Nancy Naymo.A		1 st MSc Microbiology	<u>Nancy.A</u>
9.	Nikhil.B		1 st MSc microbiology	<u>Nikhil</u>
10.	Syed Faizan		I st microbiol	<u>Syed Faizan</u>
11.	Haroon	221A M03/40	11 Microbiology	

INDIAN ACADEMY

Degree College - Autonomous

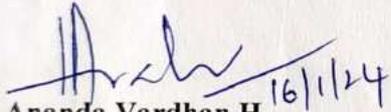
Department of Life Sciences

PROGRAM BUDGET

Guest Lecture

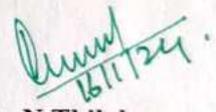
Topic- "The Neuroscience of Consciousness"
Resource Person: **Dr.Abhilash Dwarakanath**, Post Doctoral Scientist,
Dept. of Primate Consciousness and Cognition NeuroSpin,
CEA, Paris-Saclay, France.

SI no	Particulars	Unit price	Quantity	Total amount(Rs.)
1	Memento	650	01	650
	Total			Rs.650


Dr. Ananda Vardhan H

HOD-Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Dr.N.Thilaka

Principal
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: *Rahul C*
Class/Section: *3rd sem, MSc (microbiology)*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|------------|------------|---|---|---|
| 1. Overall view of the program | <i>(5)</i> | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <i>(5)</i> | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <i>(5)</i> | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <i>(5)</i> | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <i>(5)</i> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <i>(5)</i> | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | <i>(4)</i> | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Rahul C
Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: *Souvik Bhunia*
Class/Section: *II MSc BT*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|----------|--------------|---|---|---|
| 1. Overall view of the program | <i>5</i> | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <i>5</i> | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <i>5</i> | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <i>5</i> | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <i>5</i> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <i>5</i> | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | <i>5</i> | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement? *NO*

Souvik

Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM -12.00PM

FEEDBACK FORM

Student name: *Suparna Biswas*
Class/Section: *MSc-BT*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|------------------------------------|------------------------------------|---|---|---|
| 1. Overall view of the program | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | <input checked="" type="radio"/> 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Suparna
Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: **WAQUI KHAN**
Class/Section: **M.Sc - MB - 1YR**

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	(5)	4	3	2	1
2. The talk was well paced within the allotted time	(5)	4	3	2	1
3. It was worth spending time	5	(4)	3	2	1
4. The talk was interactive	5	(4)	3	2	1
5. The talk was knowledgeable	(5)	4	3	2	1
6. Did the program make you appreciate/enjoy/think	(5)	4	3	2	1
7. Usefulness of this session in your lives	5	(4)	3	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on

"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM -12.00PM

FEEDBACK FORM

Student name: Chandan P
Class/Section: II year MSc - MB

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Chand

Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: *Grace*
Class/Section: *II year MS - MB*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|----------|---|---|---|---|
| 1. Overall view of the program | <i>5</i> | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <i>5</i> | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <i>5</i> | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <i>5</i> | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <i>5</i> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <i>5</i> | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | <i>5</i> | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Grace
Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: NIKHIL
Class/Section :

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|-------------------------------------|-------------------------------------|-------------------------------------|---|
| 1. Overall view of the program | 5 | 4 | <input checked="" type="checkbox"/> | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | <input checked="" type="checkbox"/> | 1 |
| 3. It was worth spending time | 5 | 4 | <input checked="" type="checkbox"/> | 2 | 1 |
| 4. The talk was interactive | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | <input checked="" type="checkbox"/> | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | 4 | 3 | <input checked="" type="checkbox"/> | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: *Amrutha R*
Class/Section: *III MSc Biochemistry*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|----------|---|---|---|---|
| 1. Overall view of the program | <i>5</i> | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <i>5</i> | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <i>5</i> | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <i>5</i> | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <i>5</i> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <i>5</i> | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | <i>5</i> | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Amrutha R
Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: Mangunnatha, B.M.
Class/Section: MSc Biochemistry III sem

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement? No


Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on

“The Neuroscience of Consciousness”

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM -12.00PM

FEEDBACK FORM

Student name: Namitha
Class/Section: MSc Biochemistry

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	5	4	3	2	1
2. The talk was well paced within the allotted time	5	4	3	2	1
3. It was worth spending time	5	4	3	2	1
4. The talk was interactive	5	4	3	2	1
5. The talk was knowledgeable	5	4	3	2	1
6. Did the program make you appreciate/enjoy/think	5	4	3	2	1
7. Usefulness of this session in your lives	5	4	3	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Namitha
Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM -12.00PM

FEEDBACK FORM

Student name: *Sueha Mannan*
Class/Section: *M.Sc. Biotechnology*

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|------------------------------------|------------------------------------|---|---|---|
| 1. Overall view of the program | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | <input checked="" type="radio"/> 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | <input checked="" type="radio"/> 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | <input checked="" type="radio"/> 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Sueha Mannan

Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: HRISHAKESH H
Class/Section: M.Sc Applied Genetics. 2nd Year.

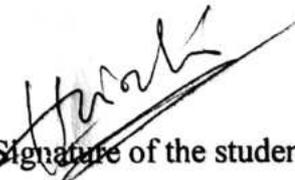
Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12.00PM

FEEDBACK FORM

Student name: HARIDEV

Class/Section: MSc. A62

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|---|---|---|---|---|
| 1. Overall view of the program | 5 | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | 5 | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | 5 | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: Deekshitha S
Class/Section: M.Sc Applied Genetics

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|-----|-----|--------------|---|---|
| 1. Overall view of the program | 5 | (4) | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | 5 | (4) | 3 | 2 | 1 |
| 3. It was worth spending time | (5) | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | (5) | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | (5) | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | (5) | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | (5) | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

NO-


Signature of the student

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

A Guest Lecture on
"The Neuroscience of Consciousness"

Resource person: Dr. Abhilash Dwarakanath
Venue: SH II

Date: 17-01-2024
Time: 11:00AM - 12:00PM

FEEDBACK FORM

Student name: AISHWARYA-S
Class/Section: M.Sc. APPLIED GENETICS

Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|---|-----|-----|---|---|---|
| 1. Overall view of the program | (5) | 4 | 3 | 2 | 1 |
| 2. The talk was well paced within the allotted time | (5) | 4 | 3 | 2 | 1 |
| 3. It was worth spending time | (5) | 4 | 3 | 2 | 1 |
| 4. The talk was interactive | (5) | 4 | 3 | 2 | 1 |
| 5. The talk was knowledgeable | 5 | (4) | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | (5) | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | 5 | (4) | 3 | 2 | 1 |

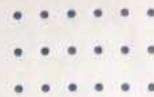
8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

No -


Signature of the student



DEPARTMENT OF LIFE SCIENCES
BIOTECHNOLOGY



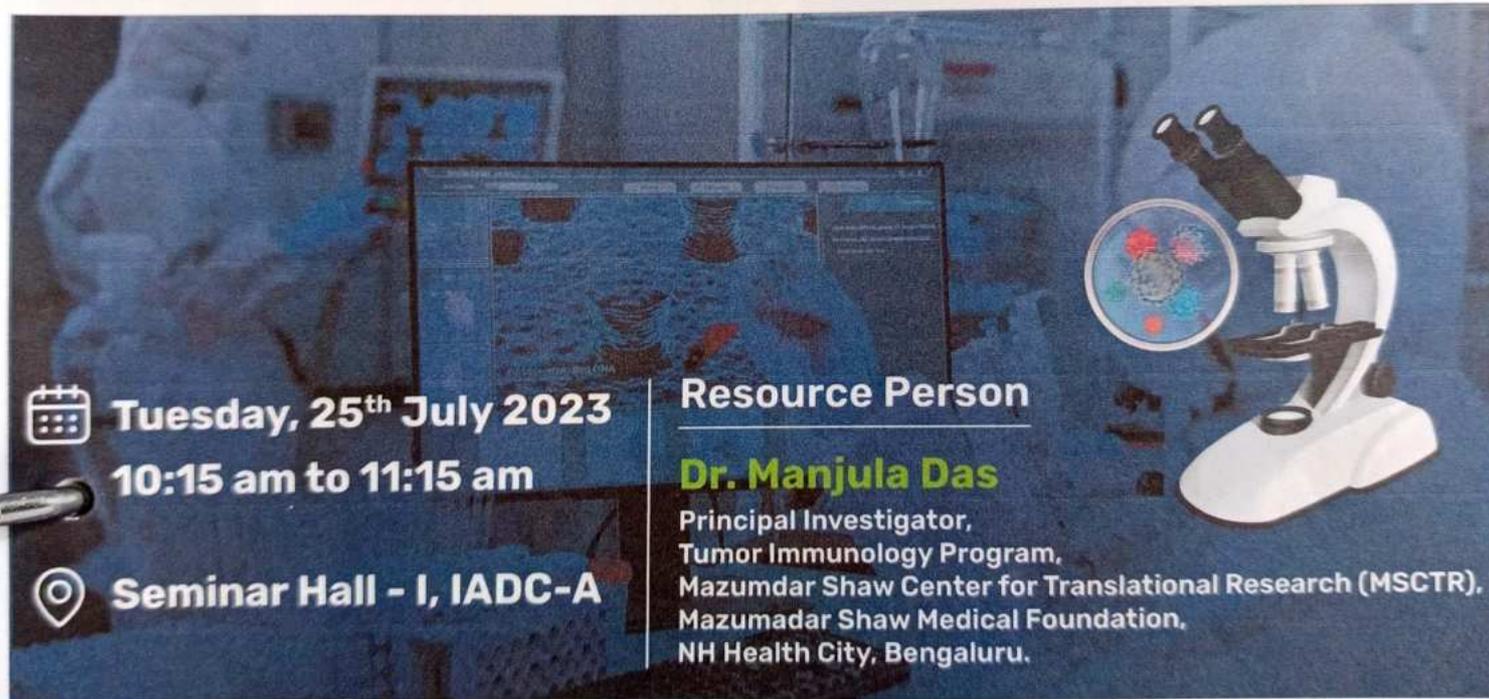
Organizes

GUEST LECTURE SERIES IN
"CANCER BIOLOGY"



Supported by **DBT Star College Scheme**

SCOPE OF TRANSLATIONAL
RESEARCH IN CANCER



 **Tuesday, 25th July 2023**
10:15 am to 11:15 am

 **Seminar Hall - I, IADC-A**

Resource Person

Dr. Manjula Das

Principal Investigator,
Tumor Immunology Program,
Mazumdar Shaw Center for Translational Research (MSCTR),
Mazumdar Shaw Medical Foundation,
NH Health City, Bengaluru.

Organizing Committee

Dr. N. Thilaka
Principal, IADC-A

Dr. Ananda Vardhan Hebbani
HOD - Department of Life Sciences

Dr. Ramachandra Murthy TTS,
Program Coordinator - Biotechnology,
Department of Life Sciences

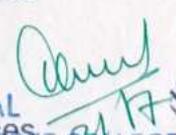
Event Coordinator : **Dr. Kalaiyarasu T,**

Asst.Prof - Biotechnology, Department of Life Sciences

www.iadc.ac.in

080674 58900

 Indianacademy


PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BANGALORE - 43

INDIAN ACADEMY

Degree College - Autonomous
DEPARTMENT OF BIOTECHNOLOGY

04-07-2023

CIRCULAR

Date : 25-07-2023 (Tuesday)
Venue : Seminar Hall I, IADCA-Campus.
Time : 10:15 am to 11:15 am

Department of Biotechnology, IADC-A is organizing Guest Lecture Series in "Cancer Biology" supported by DBT Star College Scheme.

Resource Person	Topic
Dr. Manjula Das Principal Investigator, Tumor Immunology Program, Mazumdar Shaw Center for Translational Research (MSCTR), Mazumdar Shaw Medical Foundation, NH Health City, Bengaluru.	"Scope of Translational Research in Cancer"

The **Objectives** of the lecture series are as follows:

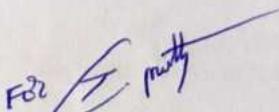
- To know about the trans-disciplinary approaches in cancer that transforms scientific discoveries into clinical applications
- To understand about the transformation of clinical observations from the clinic again to the laboratory.
- To get familiar with advanced molecular techniques in the field of translational oncology.

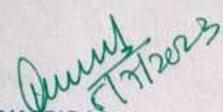
The **Outcomes** of the lecture series are mentioned below:

- In depth understanding of how translational research used in the field of cancer biology.
- Familiarize about the transfer of knowledge from lab to clinic and vice versa.
- Get insights about the advanced techniques being utilized in translational research.

We request all the HoDs, Program coordinators, faculty and students to actively participate in the lecture series.

Event Organizers: Dr. T. Kalaiyarasu & Dr. Ramachandra Murthy T.T.S.


Head of Department
Biotechnology


PRINCIPAL
Principal
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES
BIOTECHNOLOGY

21-07-2023

CIRCULAR

Date : 25-07-2023 (Tuesday)
Venue : Seminar Hall I, IADCA-Campus.
Time : 10:15 am to 11:15 am

Department of Life Sciences - Biotechnology, IADC-A is organizing Guest Lecture Series in "Cancer Biology" supported by DBT Star College Scheme.

Resource Person	Topic
Dr. Manjula Das Principal Investigator, Tumor Immunology Program, Mazumdar Shaw Center for Translational Research (MSCTR), Mazumdar Shaw Medical Foundation, NH Health City, Bengaluru.	"Scope of Translational Research in Cancer"

The Objectives of the lecture series are as follows:

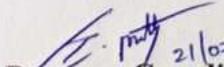
- To know about the trans-disciplinary approaches in cancer that transforms scientific discoveries into clinical applications
- To understand about the transformation of clinical observations from the clinic again to the laboratory.
- To get familiar with advanced molecular techniques in the field of translational oncology.

The Outcomes of the lecture series are mentioned below:

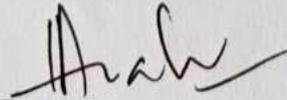
- In depth understanding of how translational research used in the field of cancer biology.
- Familiarize about the transfer of knowledge from lab to clinic and vice versa.
- Get insights about the advanced techniques being utilized in translational research.

We request all the HoDs, Program coordinators, faculty and students to actively participate in the lecture series.

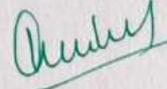
Organizer: Dr. T. Kalaiyarasu


Program Coordinator

Biotechnology


Head of Department

Dept of Life Sciences


Principal

IADC-A
PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BANGALORE - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF BIOTECHNOLOGY

04-07-2023

CIRCULAR

Date : 25-07-2023 (Tuesday)
Venue : Seminar Hall I, IADCA-Campus.
Time : 10:15 am to 11:15 am

Department of Biotechnology, IADC-A is organizing **Guest Lecture Series** in “**Cancer Biology**” supported by **DBT Star College Scheme**.

Resource Person	Topic
Dr. Manjula Das Principal Investigator, Tumor Immunology Program, Mazumdar Shaw Center for Translational Research (MSCTR), Mazumadar Shaw Medical Foundation, NH Health City, Bengaluru.	“Scope of Translational Research in Cancer”

The **Objectives** of the lecture series are as follows:

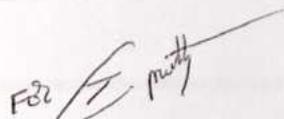
- To know about the trans-disciplinary approaches in cancer that transforms scientific discoveries into clinical applications
- To understand about the transformation of clinical observations from the clinic again to the laboratory.
- To get familiar with advanced molecular techniques in the field of translational oncology.

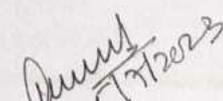
The **Outcomes** of the lecture series are mentioned below:

- In depth understanding of how translational research used in the field of cancer biology.
- Familiarize about the transfer of knowledge from lab to clinic and vice versa.
- Get insights about the advanced techniques being utilized in translational research.

We request all the HoDs, Program coordinators, faculty and students to actively participate in the lecture series.

Event Organizers: Dr. T. Kalaiyarasu & Dr. Ramachandra Murthy T.T.S.


Head of Department
Biotechnology


PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



GUEST LECTURE SERIES IN CANCER BIOLOGY"

INDIAN ACADEMY

Degree College - Autonomous

Guest Lecture/ Seminar Expenditure

Department : BIOTECHNOLOGY

Name of the Speaker : Dr. MANJULA DAS

Designation : PRINCIPAL INVESTIGATOR,
TUMOUR IMMUNOLOGY PROGRAM

Address : MAZUMDAR SHAW MEDICAL FOUNDATION
NH HEALTH CITY - BENGALURU

Date of the Programme : 25 JULY - 2023 [TUESDAY]

Audience : UG & P.G. STUDENTS

Topic : SCOPE OF TRANSLATIONAL RESEARCH
IN CANCER

Honorarium/Memento : Rs. 2000/-

Conveyance : Rs. 500/-

Bouquet : SAPLING - 01 Rs. 300/-

Miscellaneous : REFRESHMENTS - Rs. 200/-
STATIONERY - Rs. 100/-

Signature of the HOD

Date: 04-07-2023

Manjula Das
5/7/23
Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 560022

INDIAN ACADEMY

Degree College - Autonomous

Guest Lecture Series in Cancer Biology

Organized by

Department of Life Sciences - Biotechnology,
Indian Academy Degree College (Autonomous), Bengaluru

Sponsored Under DBT-STAR College Scheme



जीव प्रौद्योगिकी विभाग
Department of Biotechnology
Ministry of Science & Technology
Government of India

25th July 2023

Chief Guest

Dr. Manjula Das

Principal Investigator,

Tumor Immunology Program,

Mazumdar Shaw Center for Translational Research (MSCTR),

Mazumdar Shaw Medical Foundation,

NH Health City, Bengaluru.

ATTENDANCE PROFORMA

L. No.	Register Number	Name of the Student	Class and Programme	Signature
1.	21IAMOS154	Vaishnavi. G. Achamp.	4 th sem. MSc. (Mb)	
2.	21IAMOS148	Sanjota. k. petkar	4 th sem MSc (Mb)	
3.	21IAMOS128	Anusha K.P	4 th sem MSc (MB)	Anusha K.P
4.	21IAMOS134	Divya. R	4 th sem MSc (MB)	
5.	21IAMOS136	Joyce Madalene	4 th sem MSc (MB)	
6.	21IAMOS132	Jaswanth Bellary	4 th sem MSc (MB)	Jaswanth
7.	21IAMOS140	Monalisa S.	4 th sem M.sc (MB)	Monalisa S

Register Number	Name of the Student	Class and Programme	Signature
21IAMOS130	B. Brunda	4 th sem Msc (MB)	<u>Brunda</u>
21IAMOS145	Raisha P.	4 th sem Msc (MB)	<u>Raisha</u>
21IAMOS142	Pooja Pandey	4 th sem Msc (MB)	<u>Pooja Pandey</u>
1. 21IAMOS151	Shilpa S.	4 th sem Msc (MB)	<u>Shilpa S</u>
12. 21IAMOS149	Shalini M.	4 th sem Msc (MB)	<u>Shalini M</u>
13. 21IAMOS139	M. Moralisha	4 th SEM MSC (MB)	<u>Moralisha</u>
14. 21IAMOS143	Raghavi K.V	4 th SEM MSC (MB)	<u>Raghavi</u>
15. 21IAMOS131	B. Priyanka	4 th SEM MSC (MB)	<u>P. Priyanka</u>
16. 21IAMOS048	M. Myna	4 th SEM MSC (BT)	<u>Myna</u>
17. 21IAMOS040	Hadliya .K	4 th SEM MSC (BT)	<u>Hadliya</u>
18. 21IAMOS068	Veena .N	4 th SEM MSC (BT)	<u>Veena</u>
19. 21IAMOS066	Pushpalatha	4 th sem M-SC (B.T)	<u>Pushpalatha</u>
20. 21IAMOS041	Padma	4 th sem M-SC (B.T)	<u>Padma</u>
21. 20IAMOS039	Veekshitha	4 th Sem M-SC (B.T)	<u>Veekshitha</u>
22. 21IAMOS025	Aditya Mandel	4 th sem Msc (BT)	<u>Mandel</u>
23. 21IAMOS064	Subhankar Pradhan	4 th sem Msc BT	<u>Pradhan</u>
24. 21IAMOS058	Sankhadip Dolui.	4 th sem M.sc (BT)	<u>Dolui</u>
25. 21IAMOS051	Neemashree .N	4 th sem Msc (BT)	<u>Neemashree</u>
26. 21IAMOS047	Monisha .A	4 th sem Msc (BT)	<u>Monisha</u>
27. 22IAMOS029	Lakshmi Ck	2 nd sem Msc (BT)	<u>Lakshmi</u>
28. 22IAMOS067	Vijayalakshmi B.	2 nd sem Msc (BT)	<u>Vijayalakshmi</u>

Register Number	Name of the Student	Class and Programme	Signature
22IAM032	Bhanani, S	MSc 4th sem [BT]	<u>Bhanani</u>
22IAM035	Gouvardhini, K	MSc 2nd sem - BT	<u>Gouvardhini K</u>
22IAM043	Kavyashree	- 11 -	<u>Kavya</u>
22IAM062	Saparna Biswas	- 11 -	<u>Saparna</u>
33. 22IAM026	Ajmer Nawaz	MSc 4th Sem [BT]	<u>Ajmer</u>
34. 22IAM059	Sneha Manu.	M.Sc. 2nd sem [BT]	<u>Sneha</u>
35. 22IAM014	Drishya, D.R	M.Sc 2nd sem [BC]	<u>Drishya</u>
36. 22IAM051	Kasne Nanya Jyothi	M.Sc. 2 nd sem [BT]	<u>K. Nanya Jyothi</u>
37. 22IAM064	Sushmita Dinesh.	M.Sc. 2 nd sem [BT]	<u>Sushmita</u>
38. 22IAM039	Khanman Usma Devi	M.Sc 4th Sem [BT]	<u>Khanman</u>
39. 22IAM037	Keerthi Rama	MSc 4 th sem [MB]	<u>Keerthi</u>
40. 22IAM047	Ruksana, S	MSc 4 th sem [MB]	<u>Ruksana</u>
41. 22IAM001	Aishwarya, H	MSc 4 th sem [MB]	<u>Aishwarya</u>
42. 22IAM029	Bismita Babu	Msc 2 nd sem [MB]	<u>Bismita</u>
43. 22IAM050	Riya Bhunia	Msc 2 nd sem [MB]	<u>Riya</u>
44. 22IAM027	Aishwarya Pathak	Msc 2 nd sem [MB]	<u>Aishwarya</u>
45. 22IAM026	Abhilasa Bhattacharya	Msc 2 nd sem [MB]	<u>Abhilasa</u>
46. 22IAM034	Hajira Fatima	Msc 2 nd sem [MB]	<u>Hajira</u>
47. 22IAM061	Souvik Bhunia	Msc 2 nd sem [BT]	<u>Souvik</u>
48. 22IAM053	Sukanya Dutta	M.Sc. 2 nd 4 th Sem (MB)	<u>Sukanya</u> 25.07.23
49. 22IAM052	Sidha Khousin	M.Sc 4 th sem (MB)	<u>Sidha</u>

Register Number	Name of the Student	Class and Programme	Signature
211AM05143	Parva Kumar	M.Sc 4 th sem [M.B]	Parva
211AM05150	Shashank V	M.Sc 4 th sem [M.B]	Sh
221AM05032	CHIRANTH JAIN.P	M.Sc II SEM (BT)	C
221AM05033	HEMABINDU.C	M.Sc II SEM (BT)	Hemabindu
221AM05040	KIRAN KUMAR.B.C	M.Sc II SEM (BT)	Kiran Kumar
221AM05040	BHANU SAGAR	M.Sc II SEM (BT)	B
221AM05038	Inchara	M.Sc III SEM (BT)	Inchara
221AM05034	Gayathri	M.Sc II SEM (BT)	Gayathri
221AM05036	Gontham	M.Sc II SEM (BT)	Gontham
221AM05031	Chethan	M.Sc II SEM (BT)	Chethan
221AM05044	Keethana	M.Sc II SEM (BT)	Keethana
221AM05037	Jayasmya Raju.K	M.Sc II SEM (BT)	J
221AM05052	Nithin Kumar CV	M.Sc II Sem (BT)	N
221AM05034	Bhavan Kumar	M.Sc II sem (BT)	B
221AM05040	Pavan.N	M.Sc II sem (BC)	Pavan.N
221AM05021	Prathusha.K.S	M.Sc II sem (BC)	Prathusha
221AM05022	Sarva.SR	M.Sc II sem (BC)	Sarva
221AM05047	Lakshmi Priya	M.Sc II sem (BT)	Lakshmi.P
221AM05048	Likhitha.L	M.Sc II sem (BT)	Lakshmi.P
221AM05051	Nanya CM	M.Sc II sem (BT)	N
221AM05049	Mahendra M	M.Sc II sem (BT)	M

22IAM0024	Aiyappan	Msc II nd sem BT	<u>Aiyappan</u>
22IAM0029	Rheniya	Msc II nd sem BT	<u>Rheniya</u>
22IAM0039	Inohambumar	M	<u>Inohambumar</u>
4. 22IAM0056	Sangeetha S	M.Sc II nd sem BT	<u>Sangeetha S</u>
75. 22IAM0055	Rachelu	"	<u>Rachelu</u>
76. 22IAM0054	Pallavi	"	<u>Pallavi</u>
77. 22IAM0065	Sweta	"	<u>Sweta</u>
78. 22IAM0063	Surya S	"	<u>Surya S</u>
79. 22IAM0030	Chiathea	"	<u>Chiathea</u>
80. 22IAM0060	Soundarya	"	<u>Soundarya</u>
81. 22IAM0042	Kanyo M	"	<u>Kanyo M</u>
82. 22IAM0046	Kulana	"	<u>Kulana</u>
83. 22IAM0046	Ranjitha Kumar. G.S	Msc IV th sem (MB)	<u>Ranjitha</u>
84. 22IAM00135	Harish. K.R	Msc IV th sem (MB)	<u>Harish</u>
85. 22IAM0052	Nishitha. S	Msc IV th sem (BT)	<u>Nishitha</u>
86. 22IAM00140	Mansoor	Msc II nd sem (MB)	<u>Mansoor</u>
87. 22IAM00145	Niyati Viswanath	Msc II nd sem (MB)	<u>Niyati</u>
88. 22IAM0010	Amlan Hossain	Msc II nd sem (BC)	<u>Amlan</u>
89.			
90.			
91.			
92.			

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES

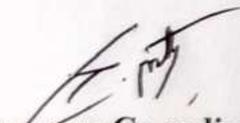
PROGRAM: BIOTECHNOLOGY

GUEST LECTURE: "SCOPE OF TRANSLATIONAL RESEARCH IN CANCER"

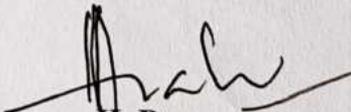
Date & Day : 25-07-2023

Venue : Seminar Hall II, IADCA-Campus.

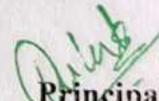
The Department of Biotechnology organized a "Guest Lecture on the SCOPE OF TRANSLATIONAL RESEARCH IN CANCER" on 25th July 2023 by **Dr. Manjula Das**, Principal Investigator, Tumor Immunology Programme, Mazumdar Shaw Center for Translational Research, Mazumdar Shaw Medical Foundation, NH Health City, Bengaluru. The speaker explained how normal cells are being transformed into cancer cells and the mechanism of invasion and metastasis. She also emphasized how the translational research helped us in understanding various mechanisms in cancerous cells protein levels. The importance of cancer proteomics was clearly elucidated in the lecture. The UG and the PG students of life sciences had participated and interacted with the resource person. The lecture has provided insights of translational research and ignited the young minds of students to pursue research in the field of cancer.


Program Co-ordinator

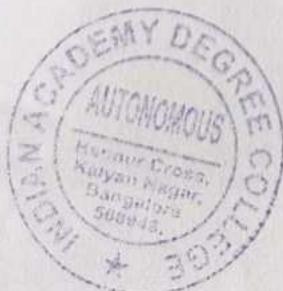
Program Coordinator - Biotechnology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


HoD

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
UR MAIN ROAD, KALYAN NAGAR
BANGALORE-560043, KARNATAKA



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES
GUEST LECTURE ON "SCOPE OF TRANSLATIONAL RESEARCH", Dr. MANJULA DAS



Principal

Head

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



GPS Map Camera

Bengaluru, Karnataka, India

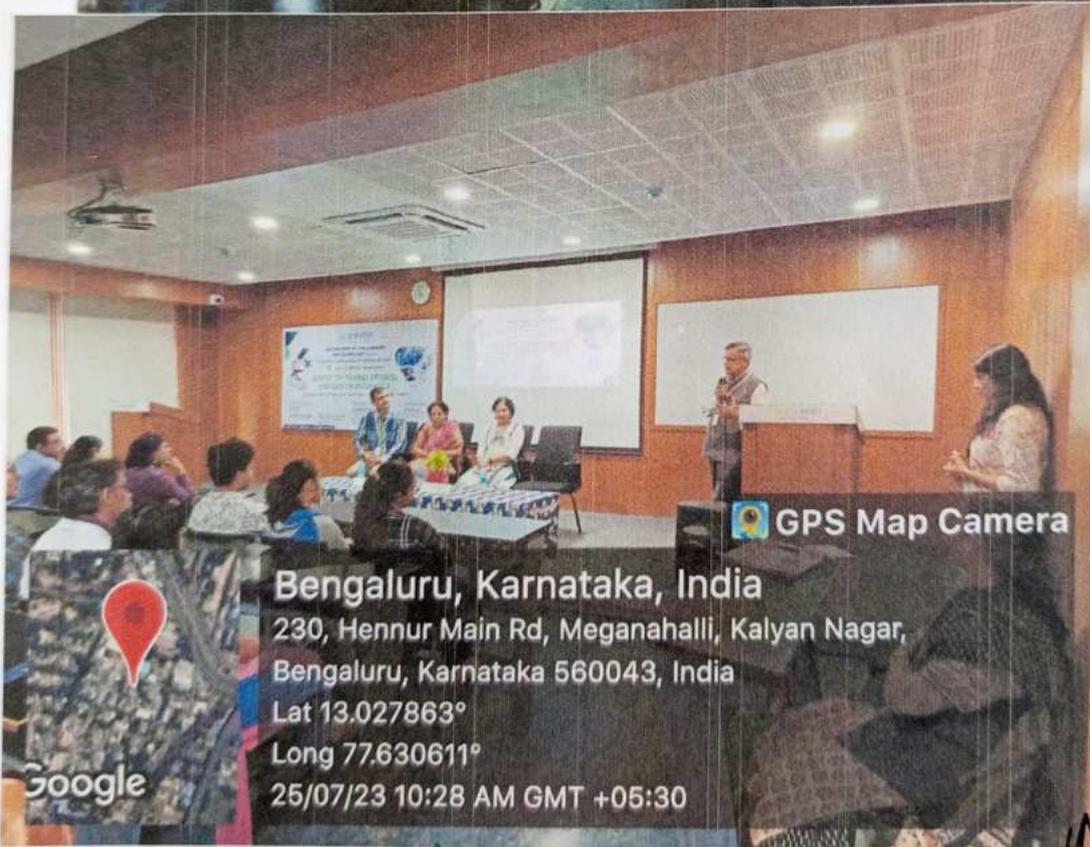
Indian Academy Degree College Autonomous, Hennur Cross,
Bengaluru

Lat 13.027863°

Long 77.630611°

25/07/23 10:48 AM GMT +05:30

Google



GPS Map Camera

Bengaluru, Karnataka, India

230, Hennur Main Rd, Meganahalli, Kalyan Nagar,
Bengaluru, Karnataka 560043, India

Lat 13.027863°

Long 77.630611°

25/07/23 10:28 AM GMT +05:30

Google

Principals

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Ashwini

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomo
Bangalore - 560043





DEPARTMENT OF LIFE SCIENCES
BIOTECHNOLOGY



in association with

CYTECARE HOSPITALS, BENGALURU

Organizes

Guest Lecture Series in
Health and Hygiene

Supported by **DBT Star College Scheme**



Department of Biotechnology



MANAGEMENT OF
COMMON EMERGENCIES



Wednesday, 12th July 2023, 10:15 am to 12:15 pm



Room No. 513, IADC-A



CALL EMERGENCY



CHECK VITAL SIGNS



LEFT CHIN CHECK BREATHING



GIVE RESCUE BREATHS



PERFORM CPR



WAIT FOR HELP

Resource Person

Dr. Chetan Kandhari

Senior Registrar - Medical Services,
Cytecure Hospitals,
Bengaluru.

Organizing Committee

Dr. N. Thilaka
Principal, IADC-A

Dr. Ananda Vardhan Hebbani
Head of Department - Life Sciences

Dr. Ramachandra Murthy TTS,
Program Coordinator - Biotechnology

Event Coordinator :

Dr. Kalaiyarasu T,
Asst. Prof, **PRINCIPAL**
INDIAN ACADEMY DEGREE COLLEGE



www.iadc.ac.in

080674 58900



indianacademy

BENGALURU - 56



INDIAN ACADEMY

Degree College - Autonomous
DEPARTMENT OF BIOTECHNOLOGY

04-07-2023

CIRCULAR

Date : 12-07-2023 (Wednesday)
Venue : Room No. 513, IADCA-Campus.
Time : 10:15 am to 12:15 pm

Department of Biotechnology, IADC-A in association with Cytocare Hospitals, Bengaluru jointly organizing Guest Lecture Series in "Health and Hygiene" supported by DBT Star College Scheme.

Resource Person	Topic
Dr. Chetan Kandhari, Senior Registrar – Medical Services, Cytocare Hospitals, Bengaluru.	"Management of Common Emergencies"

The Objectives of the lecture series are as follows:

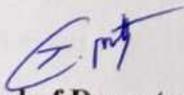
- To know about the different medical emergency situations
- To train with the management of medical emergencies in the golden hour.
- To get familiar with first aid measures in case of injuries/ accidents.

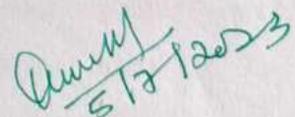
The Outcomes of the lecture series are mentioned below:

- In depth understanding of various medical emergency circumstances.
- Familiarize about the significance of golden hour in saving lives.
- Acquaint with various first aid treatments and injury/accidental management.

We request all the HoDs, faculty and students to actively participate in the lecture series.

Coordinators: Dr. Ramachandra Murthy T.T.S. & Dr. T. Kalaiyarasu

For 
Head of Department
Biotechnology


Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES

Guest Lecture Series in "HEALTH AND HYGIENE"

"MANAGEMENT OF COMMON EMERGENCIES"

Date & Day : 12-07-2023 (Wednesday)

Venue : Room No: 513, IADCA-Campus.

Time : 10:15 am to 12:15 pm.

The Department of Life Sciences - Biotechnology organized a guest lecture in "Management of Common Emergencies" in association with the Cytecure Hospitals, Bengaluru supported by DBT Star College Scheme-IADC-A on 12th July 2023. The event began with the welcome address by **Dr. Ramachandra Murthy T.T.S.**, Programme Coordinator, Biotechnology and the introductory remarks by **Dr. Ananda Vardhan H.**, Head of the Department, Life Sciences. The session was presided over by **Dr. N. Thilaka**, Principal, IADC-A. The resource person of the day **Dr. Chetan Kandhari**, Senior Registrar, Medical Services, Cytecure Hospitals delivered a lecture on "Management of Common Emergencies".

Medical emergencies are an acute injury or illness that poses an immediate risk to a person's life or long term health issues. Dr. Chetan has highlighted the different types of common emergencies like bites, choking, drowning, electrocution, burns, trauma and so on. He also emphasized that victims should be taken care irrespective of the golden hour/minute/seconds. He also insisted to avail medical ambulance by using 108 facility for immediate help whatever the situation victims may be. He has stated the thumb rules for life saving moments of individuals in case of drowning in swimming pools, fire accidents, electrocution and bitten by poisonous snakes/dogs. Dr. Chetan demonstrated how to rescue victim during choking and cardiac arrest. In his speech he made very clear that how people can be saved by BLS (Basic Life Support) assistance. Overall the session was more interactive and students were familiarized with finest management practices during emergency situations. Finally **Dr. T. Kalaiyarasu**, Event organizer, proposed the vote of thanks to all those who directly and indirectly took part in the guest lecture series.



INDIAN ACADEMY

Degree College - Autonomous

Department of Lifesciences

Guest Talk

MANAGEMENT OF COMMON EMERGENCIES: Dr. CHETHAN KANDHARI, CYTECARE HOSPITALS



Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Head

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Princip
PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Arabi

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomo
Bangalore - 560043



INDIAN ACADEMY

Degree College - Autonomous

Guest Lecture Series in
"Health and Hygiene"

Organized by
Department of Life Sciences - Biotechnology
Indian Academy Degree College (Autonomous), Bengaluru

in association with

CyteCare Hospitals, Bengaluru

Sponsored Under DBT-STAR College Scheme



उच्च प्रौद्योगिकी विभाग
Department of Biotechnology
Ministry of Science & Technology
Government of India

12th July 2023

Resource Person

Dr. Chetan Kandhari

Senior Registrar- Medical Services

Cytecare Hospitals, Bengaluru.

ATTENDANCE PROFORMA

Sl. No.	Register Number	Name of the Student	Class and Programme	Signature
1.	21IAM03007	Shiva Kumar. K. S	M.B. Applied Geneticy	
2.	21IAM05006	Puja Prasad	MSc. Applied Genetics	
3.	21IAM08005	Meghana K.V	MSc Applied Genetics	
4.	21IAM05002	Ayankha Sauter	MSc. Applied Genetics	
5.	21IAM05008	Swagata Bhattacharjee	M.Sc. Applied Genetics	
6.	21IAM05001	Bishwanya H.	MSc Applied Genetics	
7.	21IAM05048	M.Myha	MSc Biotechnology	

Sl. No.	Register Number	Name of the Student	Class and Programme	Signature
8.	21IAMOS031	Bhrami Shree . S	IV sem M.sc Biotechnology	Bhrami
9.	21IAMOS044	Manasa . N	IV sem M.sc Biotechnology	Manasa
10.	21IAMOS046	Manasa . S.G	IV sem M.sc Biotechnology	Manasa . S.G
11.	21IAMOS040	Khadliya	M.sc Biotechnology	Khadliya
12.	21IAMOS035	DIYA . R	M.sc Biotechnology	Diya . R
13.	22IAMOS042	Kavya . M.	II sem Msc. BT	Kavya . M.
14.	22IAMOS060	Soundarya More	II sem Msc. BT	Soundarya
15.	22IAMOS046	Kusuma . A.B	II sem Msc BT	Kusuma
16.	22IAMOS059	Sneha Manna	II sem Msc BT	Sneha
17.	22IAMOS050	Namratha . M	II sem M.sc BT	Namratha . M
18.	22IAMOS066	Tyjalwini . Hegde.	II sem M.sc. BT	Tyjalwini
19.	21IAMOS063	Sridhar CA	IV sem Msc BT	Sridhar
20.	21IAMOS053	Niveditha V	IV Sem Msc BT	Niveditha
21.	21IAMOS062	Soumya K. M	4th Sem Msc BT	Soumya K. M
22.	21IAMOS047	Monisha . A	4th Sem Msc BT	Monisha
23.	21IAMOS045	Manasa . P	4th Sem Msc BT	Manasa
24.	21IAMOS050	Navya H L	4th sem Msc BT	Navya
25.	21IAMOS061	Shwetha . G.B	IV sem Msc BT	Shwetha . G.B
26.	21IAMOS067	Vandhana	IV sem Msc BT	Vandhana
27.	21IAMOS030	Bhagyashree . M	IV sem Msc BT	Bhagyashree .
28.	22IAMOS040	Jonnakuti Bharu Sagar	II sem Msc BT	J. Bharu S.

Sl. No.	Register Number	Name of the Student	Class and Programme	Signature
29.	22IAMOS061	Souvik Bhunia	II MSc BIOTECHNOLOGY	<u>Souvik</u>
30.	21IAMOS052	NITESH GOWDA.S	IV MSc BIOTECHNOLOGY	<u>Nitesh Gowda</u>
31.	22IAMOS038	Inchana.R	II MSc BIOTECHNOLOGY	<u>Inchana.R</u>
32.	22IAMOS034	Gayathri.AN	II MSc BIOTECHNOLOGY	<u>Gayathri</u>
33.	22IAMOS031	Chethan.L	II MSc BIOTECHNOLOGY	<u>Chethan</u>
34.	21IAMOS082	Bhannani.S	IV MSc BIOTECHNOLOGY	<u>Bhannani's</u>
35.	22IAMOS037	Hemabendu.C	II MSc BIOTECHNOLOGY	<u>Hemabendu.C</u>
36.	22IAMOS045	Kiran Kuman BC	— " —	<u>Kiran</u>
37.	22IAMOS032	Chiranth Jora P	— " —	<u>Chiranth</u>
38.	21IAMOS056	Preeti Dho	MSc BIOTECHNOLOGY IV	<u>Preeti</u>
39.	21IAMOS054	Pankhi Borah	— " —	<u>Pankhi</u>
40.	21IAMOS064	Subhakar Pradhan	IV MSc BT	<u>Subhakar</u>
41.	21IAMOS058	Sankhadip Dolui.	IV M.Sc BT	<u>Sankhadip</u>
42.	21IAMOS025	Aditya Mandal	IVth SEM MSc BT	<u>Aditya</u>
43.	21IAMOS066	Pushpalatha	IVth SEM MSc BT	<u>Pushpalatha</u>
44.	21IAMOS068	Veena.N	IVth Sem M.Sc (BT)	<u>Veena</u>
45.	21IAMOS041	padmapriya.k	IVth Sem M.Sc (BT)	<u>Padmapriya</u>
46.	21IAMOS027	Aishwarya Puranic	IVth Sem M.Sc (BT)	<u>Aishwarya</u>
47.	21IAMOS028	Archana Kumari	IVth Sem. MSc (BT)	<u>Archana k.</u>
48.	21IAMOS089	Khamman Umila Devi	4th Sem M.Sc (BT)	<u>Umila</u>
49.	21IAMOS065	T. Bhanu prakash	IVth Sem (BT)	<u>Bhanu</u>

Sl. No.	Register Number	Name of the Student	Class and Programme	Signature
50.	21IAM05026	Afreen Nawan	IV Sem Biotechnology	
51.	21IAM05029	Ariba Hafeez	IV sem Biotechnology	
52.	21IAM05060	SATISH GAVADE	IV SEM BT	
53.	22IAM05030	Chaitra Shree M.N	II SEM BT	
54.	22IAM05065	Sweta. M	II SEM BT	
55.	22IAM05054	Pallavi.	II SEM BT	
56.	22IAM05063	Surya.	II SEM BT	
57.	21IAM05049	Navya. C.N	IV sem IIInd year Msc BT	
58.	21IAM05051	Neema Shree. N	IV sem IIInd year Msc BT	
59.	22IAM05052	Divithi Kumar C.V	IV sem BT (1st year)	
60.	21IAM05069	VENUGOPALA .B	IV sem (BT)	
61.	21IAM05007	Govind. V. Bhat	IV Sem M.Sc. AE	
62.	20IABSC057	Shiva Sathya K.E	IV th sem BSC (CZBT)	
63.	22IAM05038	Gowtham. B S	IIInd Sem MSc (BT)	
64.	22IAM05059			
65.	22IAM05043	Kavya Shree .N	IIInd Sem Msc(BT)	
66.	22IAM05035	Govardhini. K.	IIInd Sem Msc(BT)	
67.	22IAM05047	Lakshmi Priya S	II Sem (BT)	
68.	22IAM05048	Likhitha. L	II Sem (BT)	
69.	21IAM05036	GOKUL. A	IV th Sem (BT)	
70.	21IAM05070	VEDHYA. N	IV th Sem (BT)	
71.	22IAM05011	Kasre Navya Jyothi	II sem (BT)	
72.	22IAM05053	Nithya. K.R.	II sem (BT)	
73.	22IAM05064	Sushmita.	II sem (BT)	
74.	22IAM05062	Swarna.	II sem (BT)	

75) 21IAMOS055	Preethi.V	IV sem Msc (BT)	<u>Preethi.V</u>
76) 22IAMOS027	BHAVANI KUMAR.A	2 nd sem msc (Bi)	<u>Bh</u>
77) 22IAMOS029	Lakshmi.C.K	II Sem Msc (BT)	<u>Laksh</u>
78) 22IAMOS067	Vijayalakshmi B.L	II Sem Msc (BT)	<u>V</u>
79) 21IAMOS033	Chandan.K	IV th Sem msc (BT)	<u>Ch</u>
80) 22IAMOS038	Indra Kumar.V.	II nd sem msc (BT)	<u>Ind</u>
81) 22IAMOS049	mahendra.m.	II nd sem - II	<u>M</u>
82) 22IAMOS028	Bhavya.C.	- II -	<u>B</u>
83) 21IAMOS037	Jayasueya Raju.K	IV th Sem Msc. BT	<u>J</u>

"GUEST LECTURE SERIES IN HEALTH AND HYGIENE"

INDIAN ACADEMY

Degree College - Autonomous

Guest Lecture/ Seminar Expenditure

Department : BIOTECHNOLOGY

Name of the Speaker : DR. CHETAN KANDHARI

Designation : SENIOR REGISTRAR - MEDICAL SERVICES
CYTECARE HOSPITALS

Address : CYTECARE HOSPITALS
YELAHANKA - BENGALURU

Date of the Programme : 12 JULY - 2023 [WEDNESDAY]

Audience : U.G & P.G. STUDENTS

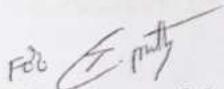
Topic : "MANAGEMENT OF COMMON EMERGENCIES"

Honorarium/Memento : MEMENTO - BIG

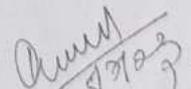
Conveyance : —

Bouquet : SAPLING - 01, ₹. 300/-

Miscellaneous : REFRESHMENTS - ₹. 200/-
STATIONERY - ₹. 100/-


Signature of the HOD

Date: 04-07-2023


Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous



DEPARTMENT OF LIFE SCIENCES - BIOTECHNOLOGY

In association with

CYTECARE HOSPITALS, BENGALURU

Organizes

GUEST LECTURE

On

MENTAL HEALTH, ANXIETY AND DEPRESSION

 Tuesday, 19th December 2023

 10:30 am to 12:00 pm

 Seminar Hall - II, IADC-A



Guest Speaker

• **Ms. Shweta Pratap,**
Psycho Oncologist,
Cytocare Hospitals, Bengaluru.

Organizing Committee

Dr. N. Thilaka,
Principal, IADC-A

Dr. Ananda Vardhan H,
HoD, Dept. of Life Sciences

Organizers

Dr. Ramachandra Murthy T.T.S.
Program Coordinator,
Dept. of Life Sciences - Biotechnology.

Dr. T. Kalaiyarasu
Assistant Professor,
Dept. of Life Sciences - Biotechnology.

www.iadc.ac.in | +919901110757 |     | indianacademy

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43

INDIAN ACADEMY
Degree College - Autonomous
DEPARTMENT OF LIFE SCIENCES
BIOTECHNOLOGY

06-12-2023

CIRCULAR

Date : 19-12-2023 (Tuesday)
Venue : Seminar Hall II, IADCA-Campus.
Time : 10:30 am to 12:00 pm.

Department of Life Sciences - Biotechnology, IADC-A in association with Cytocare Hospitals, Bengaluru jointly organizes a **Guest Lecture on "Mental Health, Anxiety and Depression"**.

Resource Person	Topic
Ms. Shweta Pratap, Psycho Oncologist, Cytocare Hospitals, Bengaluru.	"Mental Health, Anxiety and Depression"

The **Objectives** of the guest lecture is as follows:

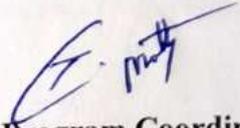
- To know about the issues related to mental health and its management.
- To manage anxiety problems in the learning space as well as in the day-to-day life.
- To understand about depression and how it will affect the mental health.

The **Outcomes** of the guest lecture is mentioned below:

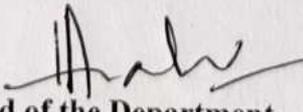
- In depth understanding of various mental health issues.
- Familiarize about the consequences of anxiety and depression.
- Gain knowledge about the management of mental health and the measures to be taken to overcome anxiety and depression.

We request all the HoDs and faculty to render their support by participating in the lecture.

Event Organizers: Dr. Ramachandra Murthy T.T.S. & Dr. T. Kalaiyarasu


Program Coordinator
Biotechnology

Program Coordinator - Biotechnology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Head of the Department
Dept. of Life Sciences
HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOTECHNOLOGY

Guest Lecture

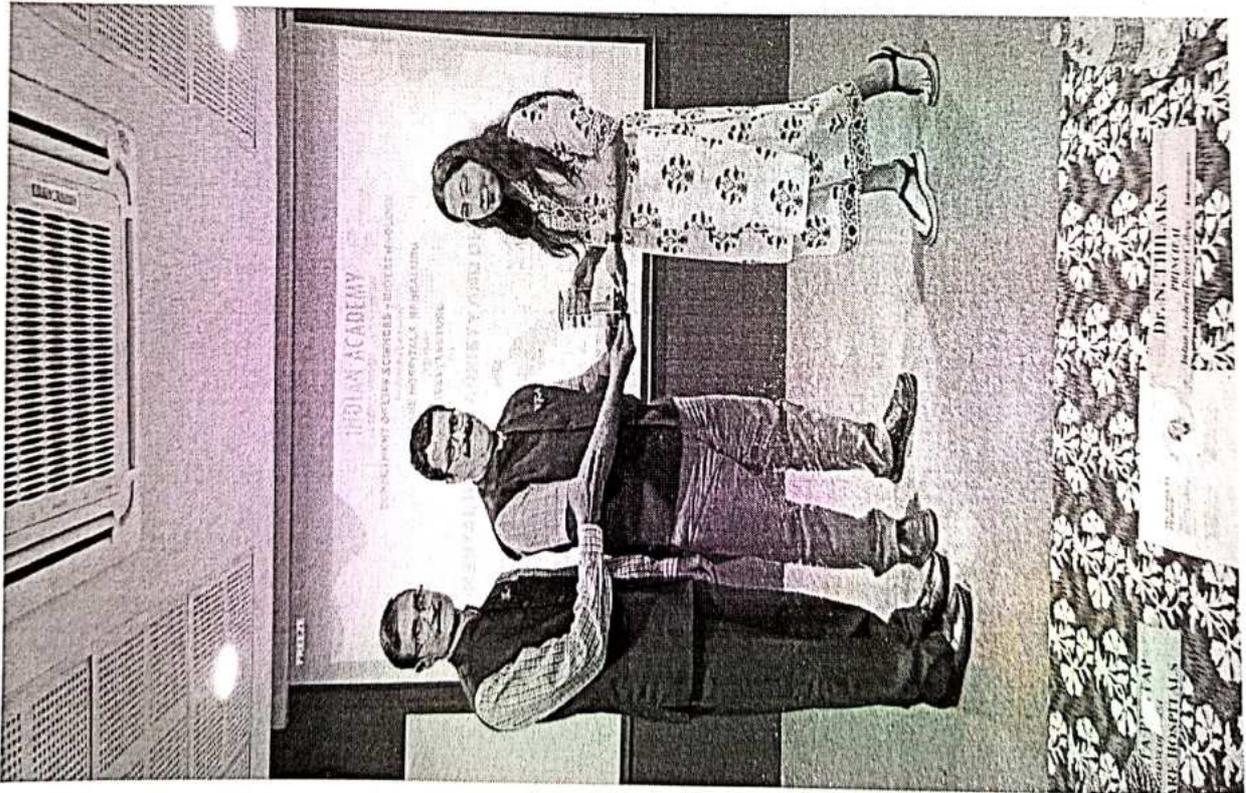
on

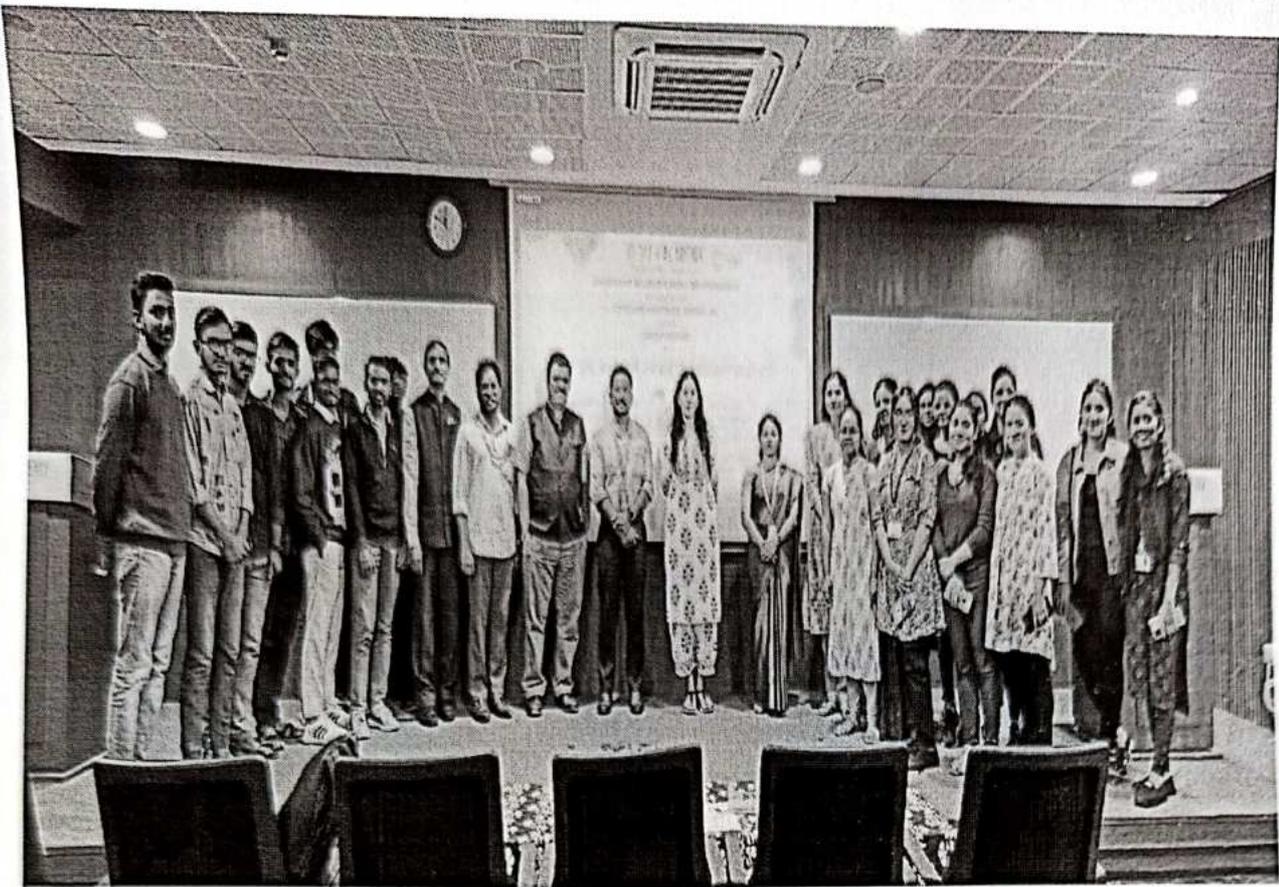
“MENTAL HEALTH, ANXIETY AND DEPRESSION”

Date & Day : 19-12-2023 (Tuesday)
Venue : Seminar Hall-2, IADCA-Campus.
Time : 10:30 am to 11:45 am.

The Department of Life Sciences - Biotechnology organized a guest lecture in “Mental Health, Anxiety and Depression” in association with the Cytecure Hospitals, Bengaluru on 19th December 2023. The event began with the welcome address by Dr. Ramachandra Murthy T.T.S., Programme Coordinator, Department of Life Sciences - Biotechnology and the guest introduction by Dr. Kalaiyarasu T., Assistant Professor, Department of Life Sciences- Biotechnology. The session was presided over by Dr. Ananda Vardhan H., Head of the Department, Life Sciences. The resource person of the day Ms. Shweta Pratap, Psycho Oncologist, Cytecure Hospitals, Bengaluru, delivered a lecture on “Mental Health, Anxiety and Depression”.

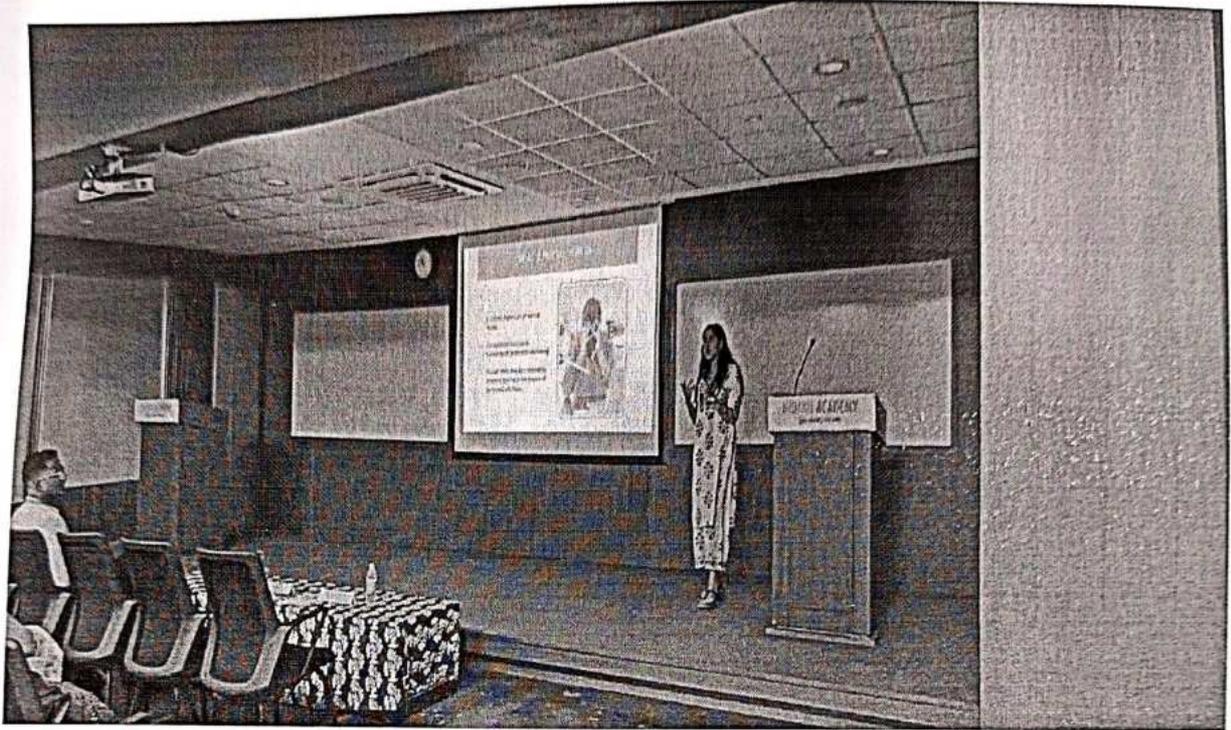
Mental health is important at every stage of life, from childhood and adolescence through adulthood. Ms. Shweta has highlighted the significance of mental health and wellbeing for the students especially during examinations. She also made crystal clear about the difference between sadness and depression. She also emphasized how stress can lead to anxiety and the later lead to depression. She also insisted to sort out the mental health problems at beginning level with a partner who could be at same age or younger or older adults. In her speech, she made very clear that how students can overcome stress, anxiety and depression. Overall the session was more interactive and students were acquainted with management of mental health issues. The session was attended by the faculty members and students from various courses.



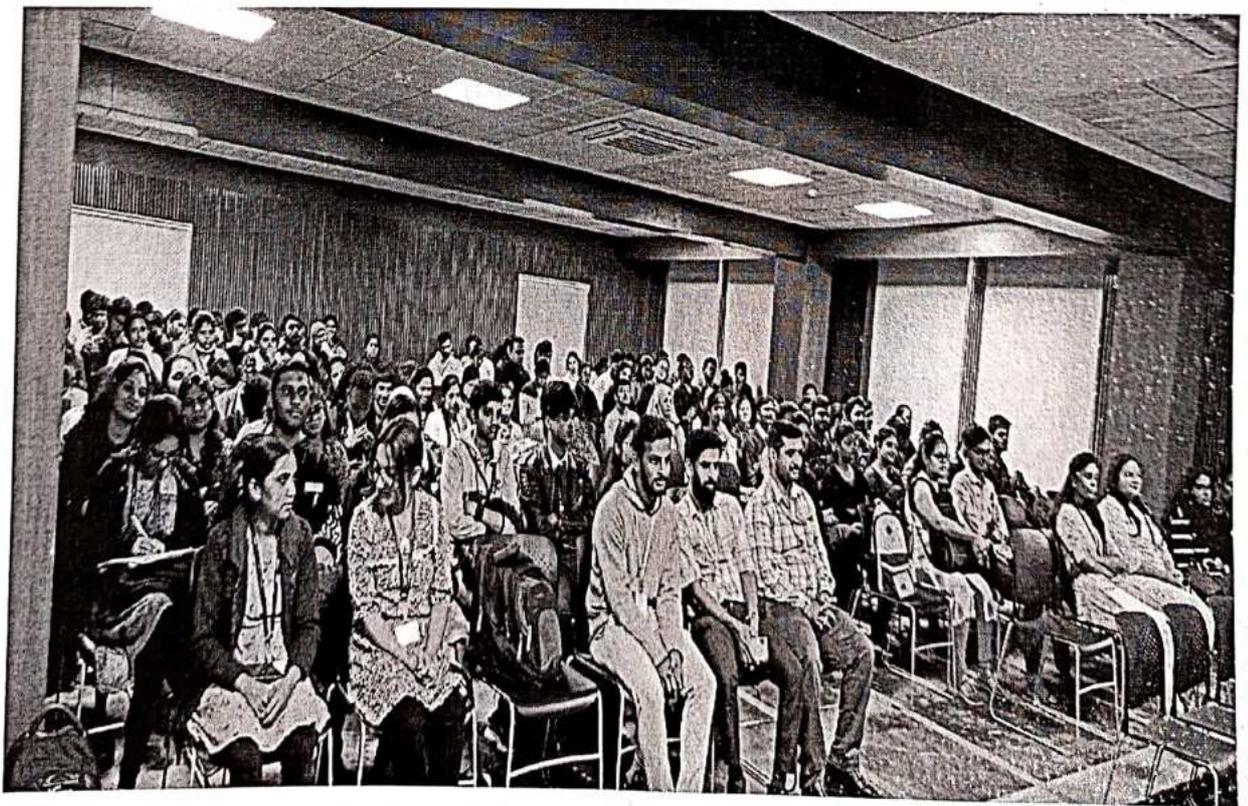


**GUEST LECTURE: MENTAL HEALTH, ANXIETY AND DEPRESSION by
Ms. Shweta Pratap, Cytecure Hospitals, Bengaluru**





**GUEST LECTURE: MENTAL HEALTH, ANXIETY AND DEPRESSION by
Ms. Shweta Pratap, Cytecure Hospitals, Bengaluru**



INDIAN ACADEMY

Degree College - Autonomous

Guest Lecture

on

"MENTAL HEALTH, ANXIETY AND DEPRESSION"

Organized by

Department of Life Sciences - Biotechnology,
Indian Academy Degree College (Autonomous), Bengaluru

in association with

Cytecure Hospitals, Bengaluru

On

19th December 2023, Tuesday

Resource Person

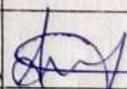
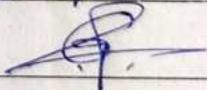
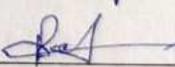
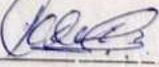
MS. SHWETA PRATAP

Psycho Oncologist,

Cytecure Hospitals,

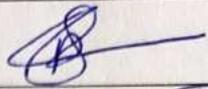
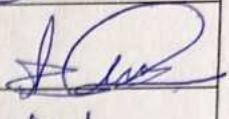
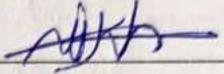
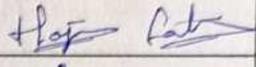
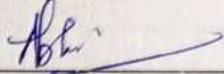
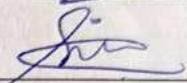
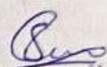
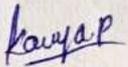
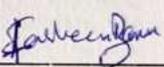
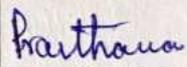
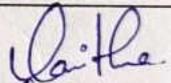
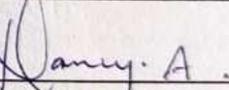
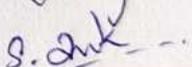
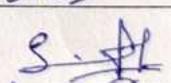
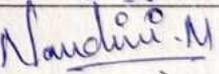
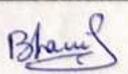
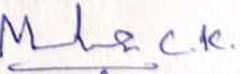
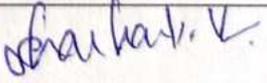
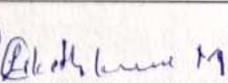
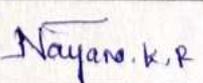
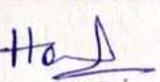
Bengaluru.

ATTENDANCE PROFORMA

Sl. No.	Name of the Student	Class and Programme	Signature
1.	Abrishet.k.s	Msc 1 st sem biotech	
2.	Gowtham.A	Msc 1 st sem (BT)	
3.	Radeh Kumar S.v	msc 1 st sem (RT)	
4.	C. Pranetha	Msc. 1 st sem (BT)	Pranetha.c
5.	Mallikarjun	Msc. 1 st sem (BT)	
6.	Harsha.P.R	Msc. 1 st Sem (BT)	Harsha
7.	Pamya.K.S	Msc, 1 st Sem (BT)	Pamya

Sl. No.	Name of the Student	Class and Programme	Signature
8.	K. Janani	BSC V th Sem (BCBT)	K. Janani
9.	Hemachandrika. A.	BSC V th Sem (BCBT)	A. Hemachandrika
10.	Nityashree. G.	BSC V th Sem (BCBT)	Nityashree. G.
11.	Deekshith B.	M.Sc I st Biotechn	Deekshith B.
12.	Pavithra. c	M.Sc I st sem Biotechnology	Pavithra. c
13.	Manali N. Javeri	M.Sc I st sem Biotech	Manali N. Javeri
14.	AMISHA SINHA	M.Sc. I st Sem Biotech.	Amisha Sinha
15.	Aastha Singh	M.Sc. I st sem. biotech	Aastha Singh
16.	Shruti Pawar	M.Sc. I st Sem (BT).	Shruti Pawar
17.	AKSHAY. SUPEKAR	M.Sc I st Sem (BT)	Akshay. S.
18.	Subhajit mondal	msc 1 st sem (BT)	Subhajit mondal
19.	Shilpa. R	MSc I sem (BT)	Shilpa. R.
20.	Chandana. V	MSC I Sem (BT)	Chandana. V
21.	Kavya. K	MSC I Sem (BT)	K. V. K.
22.	Abhishek. B.S	MSC I Sem (BT)	Abhishek. B.S.
23.	Bhargavi. V. H	MSC I Sem (BT)	Bhargavi. V. H.
24.	Varsha. P. N	BSc V Sem (BCBT)	Varsha. P. N.
25.	Shashikala. V	BSC V Sem (BCBT)	Shashikala. V.
26.	Harshitha. S	B.Sc V Sem (BCBT)	Harshitha. S.
27.	Sahil Khan	B.Sc V Sem (BCBT)	Sahil Khan
28.	Kashif Pasha. F	B.Sc V Sem (BCBT)	Kashif Pasha. F.

Sl. No.	Name of the Student	Class and Programme	Signature
29.	Shubha Shree	B.Sc V Sem (BCBT)	
30.	Varshina	B.Sc V Sem (BCBT)	
31.	Noor Khateer	BSc V Sem (BCBT)	
32.	Amirul Mabiya	BSc V Sem (BCBT)	
33.	Harshavardhana Pandu. D.S.	BSc V Sem (BCBT)	
34.	Jaison William. J.	Bsc V sem (BCBT)	
35.	Gautam Singh Bisht	BSc V Sem (BCBT)	
36.	Mohamed Salil Khan	BSc	
37.	Bismi Babu	MSc II nd year (MB)	
38.	Neeraj Krishna	MSc II nd year (MB)	
39.	Ami Baldaniya	MSc II nd year (MB)	
40.	Harshitha N.R.	MSc II Year (MB)	
41.	Maria Preethi	MSc II Year (MB)	
42.	Grace Raju.	MSc II Year (MB)	
43.	Joshua Karane	MSc I st Year (MB)	
44.	Waqar Khan	M.Sc I st Year (MB)	
45.	Nihar. G	MSc II nd year (MB)	
46.	Padmakree A	MSc II nd year (MB)	
47.	Deeven	MSc II nd year (MB)	
48.	Nithin. S	MSc II nd year (MB)	
49.	R.R Vijaykumar	MSc II nd year (MB)	

Sl. No.	Name of the Student	Class and Programme	Signature
50.	B. S. Likhith Kumar	MSc Microbiology	
51.	Chandan. P	M.Sc Microbiology	
52.	Nikhil	MSc Microbiology	
53.	Hajira Fathima	MSc MICROBIOLOGY	
54.	Abhisa Bhatteckar	MSc Microbiology	
55.	Sindhu. T	Msc microbiology (I)	
56.	Sindhujee. C. S	Msc microbiology (I)	
57.	Kavya. P	Msc Microbiology (I)	
58.	Farheen Banu	MSc Microbiology (I st sem)	
59.	Prarthana. J. Gowda	MSc Microbiology (I sem)	
60.	Vanitha.	M.Sc. Microbiology (I sem)	
61.	Nancy Naymoir. A	M.Sc. Microbiology (I sem)	
62.	Monika. S	M.Sc., Microbiology (I sem)	
63.	Sindhu. S. N	M.Sc Organic Chemistry (III sem)	
64.	Nandini. M	M.Sc Organic Chemistry (III sem)	
65.	Bhavani. S	M.Sc Organic Chemistry (III sem)	
66.	Meghamala. C. P.	M.Sc Organic Chemistry (III sem)	
67.	Shashank. T. S	M.Sc Organic Chemistry (III sem)	
68.	Likhith Kumar. M	M.Sc Organic Chemistry (III sem)	
69.	Nayana. K. P	M.Sc Organic Chemistry (III sem)	
70.	Haaritha. P	M.Sc Organic Chemistry (III sem)	

71.	Indira . M	Msc organic chemistry (III sem)	Indira . M
72.	Chaitra . G . N	Msc Organic chemistry (III sem)	Chaitra
73.	Amlan Hassan	Msc Biochemistry (III sem)	Amlan
74.	Niyathi . V	Msc Microbiology (III sem)	Niyathi
75.	Sudaisan Sarkar	Msc Microbiology (III sem)	Sudaisan
76.	Mansoor Zaman	Msc Microbiology (III sem)	Mansoor
77.	Kevin Sabu	Msc Microbiology (III sem)	Kevin
78.	Sncho . N	Msc organic chemistry (III Sem)	Sncho . N
79.	Supriya . R	Msc [organic chemistry] III sem	Supriya
80.	Navya . M	Msc [organic chemistry] III sem	Navya M
81.	Somiya Tabasum	Msc [organic chemistry]	Somiya Tabasum
82.	Lakshmi Priya . S	Msc [BT] III sem	Lakshmi
83.	Namratha . M	Msc (BT) III sem	Namratha
84.	Swetha . M	Msc (BT) III sem	Swetha
85.	Pallavi . N	Msc [BT] III sem	Pallavi
86.	Geetha . V . S	Bsc [CBT] V sem	Geetha
87.	Syeda Noor Zainab	Bsc [CBT] V sem	Syeda Noor Zainab
88.	Tejaswini . K	Bsc [CBT] V sem	Tejaswini
89.	Preyoshi Ghosh	Bsc [CBT] V sem	Preyoshi Ghosh
90.	Sudheer . M	Bsc (G-BT) - II	Sudheer . M
91.	Venkata Raju . V	Bsc [G-BT] 1st sem	Venkata Raju . V
92.	Kushal Kumar . S	Bsc (G-BT) 1st sem	Kushal Kumar . S

INDIAN ACADEMY

Degree College - Autonomous

Indian Women Scientists Association

Bengaluru Branch

Organizes

Popular Science Lecture

Supported by BRNS-DAE

In association with



Department of Life Sciences - Biotechnology

Indian Academy Degree College- Autonomous

Kalyan Nagar, Hennur Cross, Bengaluru

Karnataka- 560 043

Guest Lecture On

CANCER RESEARCH BENCH AND BEYOND

📅 Thursday, 25th January 2024

🕒 11:30 am

📍 Seminar Hall - II

ABSTRACT

Cancer - As is known to all is the Emperor of All Maladies. The more we delve into the biology of cancer, the more intriguing it gets. Years of efforts by clinicians and researchers all over the world has given us insights into how a cancerous cell functions. This basic understanding of disease has also paved the way for many different ways of identifying and treating cancer and continues to do so. This talk will give an overview of some basic findings in cancer which have led to diagnostic or therapeutic methods - essentially translational potential of research findings.



Guest Speaker

Dr. Prathibha Ranganathan

Assistant Professor

Centre for Human Genetics

Biotech Park, Electronic City Phase - 1, Bengaluru.

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.

Registration Link

<https://shorturl.at/opzAD>



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOTECHNOLOGY

05-01-2024

CIRCULAR

Date : 25-01-2024 (Thursday)

Venue : Seminar Hall - II

Time : 11:30 am to 12:30 pm

Department of Life Sciences - Biotechnology, IADC-A in association with Indian Women Scientists Association, Bengaluru Branch is organizing Popular Science Lecture supported by BRNS-DAE.

Resource Person	Topic
Dr. Prathibha Ranganathan Assistant Professor Centre for Human Genetics Biotech Park Electronic City Phase-1 Bengaluru.	“CANCER RESEARCH - BENCH AND BEYOND”

Objectives:

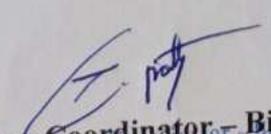
- To know about the nature of cancerous cells and the (molecular) processes underlying cancer formation and progression.
- To gain knowledge on the role of oncogenes and mutations in cancer cells.
- To get familiar with molecular markers that led to development of diagnostics and therapeutic strategies.

Outcomes:

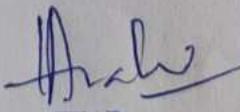
- In depth understanding of the development and progression of carcinogenesis.
- Familiarize about mutational changes and the significance of tumor suppressor genes.
- Get insights about the basic and the advanced molecular techniques used in cancer diagnosis.

We request all the HoDs, Program coordinators, Faculty and Students to actively participate in the lecture.

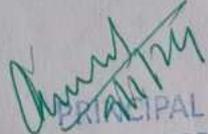
Organizing members: Dr. Vanitha G Ramesh
Dr. T. Kalaiyarasu


Program Coordinator - Biotechnology

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


HoD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Principal
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



From

Date: 17-01-24

Dr. Vanitha G Ramesh
Department of Life Sciences-Biotechnology
IADC-A.

To

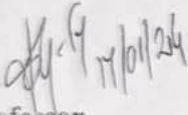
The Principal
IADC-A.

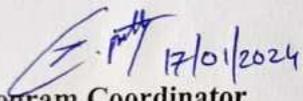
Respected Madam,

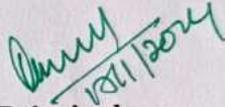
Sub: Requesting a Zoom link in order to host the popular science lecture on "Cancer Research-Bench and Beyond" in hybrid format.

Regarding the aforementioned subject, I would like to request your permission to conduct the hybrid guest lecture that we have scheduled on January 25, 2024, in collaboration with the Indian Women Scientist Association and supported by BRNS-DAE. The coordinator of the IWSA has also requested an online option for the benefit of other college faculty members and students. Therefore, I respectfully ask that you allow me to obtain a Zoom link from our college's IT department so that I can help the participants attend virtually as well.

Thanking you.


Professor


Program Coordinator
Program Coordinator - Biotechnology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Summary of Popular Science Lecture Series

Guest Lecture on "Cancer Research – Bench and Beyond "

Date : 25.01.24, Organized by Department of Life Sciences- Biotechnology

IADC-A in association with Indian Women Scientist Association (IWSA),

Bengaluru supported by: Board of Research in Nuclear Sciences (BRNS)-DAE

Profile of Dr.Prathibha



Dr. Prathibha Ranganathan obtained her bachelor's degree in science from Bangalore. She completed her integrated MS-Ph.D from the Indian Institute of Science, Bangalore where she worked on understanding the regulation of gene expression by TGF- β and the role of other signaling pathways involved in TGF- β mediated gene regulation. She spent brief periods at the Manipal Life Science Centre, Manipal and the Institute of Bioinformatics, Bangalore as a faculty. Subsequently she moved to University of Miami, Florida to join the Molecular Oncology Program at the Miller School of Medicine as a post-doctoral fellow. During this period, she was engaged in understanding various aspects of Notch signalling. A large part of her work included understanding the role of post-translational modifications and epigenetic changes on Notch mediated gene regulation.

Dr. Ranganathan was awarded the Ramalingaswami Re-entry by the Department of Biotechnology, Government of India in 2013. She then moved to Centre for Human Genetics,



Bangalore and established her laboratory engaged in cancer research and continues to serve there as Assistant Professor.

Education:

Ph.D (2007): Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore, India.

M.S. Biological Sciences (2002): Indian Institute of Science, Bangalore, India.

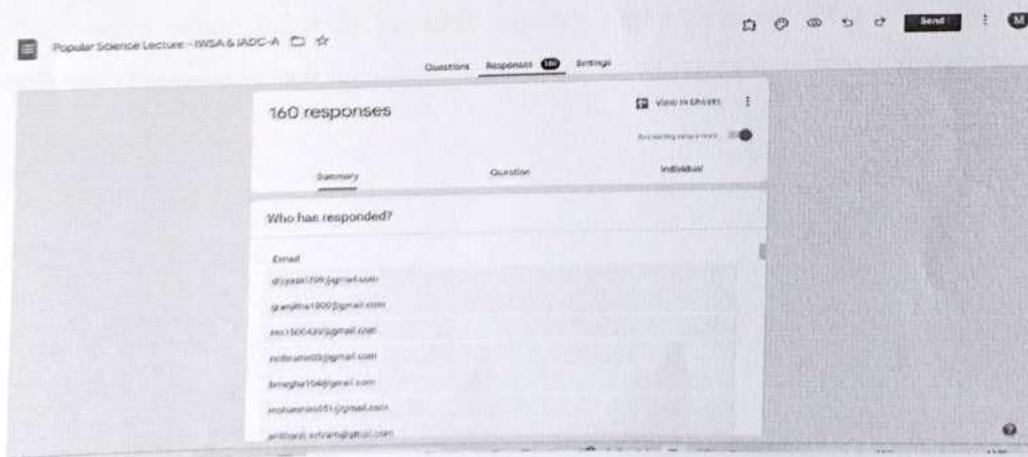
B.Sc. (1999) with Chemistry, Botany and Microbiology: Bangalore University

Awards and Achievements:

1. Awarded the Ramalingaswami re-entry fellowship by Department of Biotechnology, GOI in April 2013.
2. Selected under the UGC-Faculty Recharge Program (Cycle II), April 2014
3. Completed a 100 hours Honours Programme in Genetics conducted by St. Joseph's College, Bangalore, India.
4. Qualified in the National Talent Search Examination (1994) for scholarship conducted by National Council of Educational Research and Training, New Delhi, India.

Summary of the Talk:

The topic of the Guest Lecture was on "**Cancer Research – Bench and Beyond**". The Guest Lecture was organized on 25th January 2024 at 11:30am. There were 160 registered participants for the Guest Lecture (<https://docs.google.com/spreadsheets/d/1F4eYHGRqXwyNvNflzRQ71nNcaGp6G4Fn2qQsjIAuhus/edit?usp=sharing>).



Session was held through hybrid mode (Both offline and online through G-Meet) and also live telecast was on Indian Academy Degree College You Tube Channel (https://www.youtube.com/live/gfs_ZHJpoFk?si=TPnzISfT6XuEkTdu).

Significance of the topic dealt with, Cancer- As is known to all is the Emperor of All Maladies. The more we delve into the biology of cancer, the more intriguing it gets. Years of efforts by clinicians and researchers all over the world has given us insights into how a cancerous cells function. This basic understanding of disease has also paved the way for many different ways of identifying and treating cancer and continues to do so. This talk had given an overview of some basic findings in cancer which have led to diagnostic or therapeutic methods-- essentially translational potential of research findings.

Students and faculty members from various colleges have actively participated in the guest lecture. The guest lecture started with an introduction and a welcome speech. As a token of gratitude, the guest was given a plant sapling.

Dr.Prathibha gave an overview of cancer. The history is presented first, then the contributions of eminent scientists Edwin Smith Papyrus and Giovanni Morgagni. The research of Hippocrates, Stahl, and Hoffman, the identification of carcinogens and the mechanisms by which they cause cancer, Peyton Rouse discovered oncogenes in the Rous Sarcoma Virus (RSV), whose DNA resembled that of RSV RNA. Additional Ras oncogenes were also studied, along with the Philadelphia chromosome. The creation and application of Gleevec, then the management of cancer using several techniques. Examples include radiations, chemotherapy, and alkylating chemicals.

Following the lecture, students were given the opportunity to interact with her by clarifying questions. Students thought the session was more educational and interactive.

The session concluded with heartfelt gratitude and a souvenir for taking the time to teach and enlighten the youngsters.

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences- Biotechnology IADC-A in association with Indian Women Scientist Association (IWSA), Bengaluru supported by: Board of Research in Nuclear Sciences (BRNS)-DAE

Guest Lecture on "Cancer Research – Bench and Beyond"
Date : 25.01.24

PHOTOS:



HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.



[Handwritten Signature]

HEAD
 Department of Life Sciences
 Indian Academy Degree College - Autonomous
 Bangalore - 560043

[Handwritten Signature]

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
 Hennur Cross, Kalyan Nagar
 Bangalore - 43.



Ashu

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Princip

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kaiyan Nagar
Bangalore - 43.



Bengaluru, Karnataka, India
Indian Academy Degree College Autonomous, Hennur Cross,
Bengaluru.
Lat 13.027863°
Long 77.630611°
25/01/24 01:02 PM GMT +05:30



Bengaluru, Karnataka, India
Indian Academy Degree College Autonomous, Hennur Cross, Bengaluru
Lat 13.027863°
Long 77.630611°
25/01/24 01:01 PM GMT +05:30

Anah
HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43

INDIAN ACADEMY

Degree College - Autonomous

ATTENDANCE SHEET

EVENT: CANCER RESEARCH BEYOND AND BEYOND.

DATE: 26/04/2024

VENUE: SEMINAR HALL - II

Sl.No	Register Number	Name	Program & Semester	Signature
1.	22IAM05028	Bhavya C	MSc - BT 3 rd Sem	Bhavya
2.	22IAM05048	Likhitha L	BT 3 rd Sem	Likhitha
3.	22IAM05042	Kavya M	MSc - BT III Sem	Kavya M.
4.	99IAM05029	C.K. Lakshmi	MSc - BT III Sem	C.K. Lakshmi
5.	99IAM05064	Sushmitha Dinuth	MSc - BI	Sushmitha
6.	99IAM05060	Soundarya Maru	"	Soundarya
7.	99IAM05046	Kutumba A.B	"	Kutumba
8.	99IAM05053	Nithya K.R	"	Nithya
9.	99IAM05067	Vijayalakshmi B.	"	Vijayalakshmi
10.	-	Chandana V	MSc - BT 1 st Sem	Chandana
11.	-	Kanya K	"	Kanya
12.	-	Hithulshi	"	Hithulshi
13.	22IAM05008	AFZA KOUSAR	MSc. BC. 3 rd Sem	AFZA
14.	22IAM05056	NOUSHEEN FATHIMA	m.sc BC 3 rd sem	Noosheen
15.	22IAM05009	ALIYA FATHIMA	m.sc BC 3 rd sem	Aliya
16.	22IAM05015	ARSHIYA FATHIMA	m.sc BC 3 rd sem	Arshiya
17.	-	Aishya Singh	MSc Biotech. 1 st Sem	Aishya
18.	-	AMISHA SINHA	m.sc Biotech 1 st Sem	Amisha
19.	-	Manali Jauhari	M.Sc Biotech 1 st sem	Manali
20.	-	PRITI M. GUPTA	M.Sc BIOTECH 1 st SEM	Priti
15.	-	Vinitha M	M.Sc. Biotech 1 st sem	Vinitha
16.	22IAM05014	Dalshya D.R	M.sc B.C 3 rd sem	Dalshya
17.	-	Pavithra C	M.sc Biotech 1 st sem	Pavithra
18.	-	Arya Esha	MSc Biotech 1 st Sem	Arya
19.	99IAM05013	Chaitra C	Msc Biochemistry 2 nd sem	Chaitra
20.	22IAM05016	Lakshmi K.S	MSc Biochemistry 3 rd sem	Lakshmi
15.	-	Danya K.S	MSc Biotechnology 1 st Sem	Danya
16.	-	Prakritha	MSc Biotechnology 1 st Sem	Prakritha
17.	-	Harsha P.R	MSc Biotechnology 1 st Sem	Harsha
18.	-	Abhishek B.S	MSc Biotechnology 1 st Sem	Abhishek
19.	-	Mallikarjun	MSc Biotechnology 1 st Sem	Mallikarjun
20.	-	Abhishek K.S	MSc Biotech 1 st Sem	Abhishek
21.	-	Gowtham A	MSc BT 1 st Sem	Gowtham
22.	-	Akshay Supekar	M.Sc B.T 1 st Sem	Akshay
23.	22IAM05021	Prathusha K.S	m.sc BC 3 rd sem	Prathusha
		Rakesh Kumar P.W	m.sc B.T 1 st sem	Rakesh
		Shilpa R	MSc BI 1 st Sem	Shilpa
		Subhajit Mondal	m.sc BT 1 st Sem	Subhajit

SINO	REG. NO	NAME	PROGRAM & SEMESTER	SI GAD
1.	22IAMOS152	Sparsha B.D	Msc Microbiology 3 rd sem	3 rd sem
2.	22IAMOS151	Srinchana S	Msc MB 3 rd sem	3 rd sem
3.	22IAMOS155	Varun	"	"
4.	22IAMOS141	Pruthvi Raj	"	"
5.	22IAMOS130	Chandam	"	"
6.	22IAMOS145	Niyathi V	Msc MB 3 rd sem	N.B.
7.	22IAMOS153	Sudansan Sathar	Msc MB 3 rd sem	Sudh
8.	22IAMOS140	Mansoor Zaman	Msc MB 3 rd sem	3 rd sem
9.	22IAMOS002	Ashok K	M.Sc Ag 3 rd sem	3 rd sem
10.	22IAMOS027	Bravan Kumar A	M.Sc BT 2 nd - 1 st	3 rd sem
11.	22IAMOS039	Eudra Kumar V	Msc BT 3 rd sem	3 rd sem
12.	22IAMOS004	Honidev	Msc. BT Ag 3 rd sem	3 rd sem
13.	22IAMOS052	Nithinkumar G.V	Msc BT 3 rd sem	3 rd sem
14.	22IAMOS001	Ashwagya S	M.Sc. AG 3 rd sem	3 rd sem
15.	22IAMOS003	Deek Shetha	"	"
16.	22IAM	Faiz	M.Sc. Mb 1 st Sem	1 st Sem
17.	22IAMOS141	Neeraj Krishna V.R	Msc Mb 2 nd sem	2 nd sem
18.	22IAMOS133	Grace	Msc MB 3 rd sem	3 rd sem
19.	22IAMOS138	Likith	Msc MB 3 rd sem	3 rd sem
20.	22IAMOS143	Nikhil	Msc MB 3 rd sem	3 rd sem
21.	22IAMOS132	Ganatham	Msc MB 3 rd sem	3 rd sem
22.	22IAMOS139	Maria	"	"
23.	22IAMOS149	Reshma	"	"
24.	22IAMOS135	Harshitha	"	"
25.	22IAMOS065	Sweta-M	Msc BT 3 rd sem	3 rd sem
26.	22IAMOS054	prulavi N	Msc BT 3 rd sem	3 rd sem
27.	22IAMOS049	Mahendera	"	"
28.	22IAMOS134	HASIRA FATHIMA	2 nd Msc MB 3 rd Sem	3 rd Sem
29.	22IAMOS050	NAMBATHA.M	5 th SEM M.Sc (BT)	5 th SEM
30.	22IAMOS051	NAVYA.C.H	"	"
31.	22IAMOS047	LAKSHMI PRIYA	"	"
32.	22IAMOS040	BHARU SAGAR	"	"
33.	22IAMOS041	NAVYA JYOTHI	"	"
34.	22IAMOS059	SIDEHA NANDA	"	"
35.	-	SUNIT SAHOO	1 st SEM M.Sc (BT)	1 st SEM
36.	-	MAITRAJUN	1 st SEM M.Sc (BT)	1 st SEM
37.	22IAMOS036	GOWTHAN.S.S	5 th SEM M.Sc (BT)	5 th SEM
38.	-	SHRUTI PAWAR	1 st SEM M.Sc (BT)	1 st SEM
39.	-	BHARGAWI	1 st SEM M.Sc (BT)	1 st SEM
40.				
41.				
42.				
43.				
44.				
45.				

S.NO	REG.NO	NAME	PROGRAM & SEMESTER	SIGN.
01.	22IAMOS061	Souvik Bhunia	II MSc BT	Souvik
02.	22IAMOS045	Kiron Kumar BC	II MSc Biotech	Kiron
03.	22IAMOS034	Gayathri HN	II MSc Biotech	Gayathri
04.	22IAMOS031	Chethan	- " -	Chethan
05.	22IAMOS032	Chiranth	- " -	Chiranth
06.	22IAMOS066	Tejaswini Hegde	- " -	Tejaswini
07.	22IAMOS044	Keerthana JM	- " -	Keerthana
08.	22IAMOS038	Inchana R	"	Inchana
09.	22IAMOS150	Riya Bhunia	II MSc MB (III Sem)	Riya
10.	22IAMOS127	Aishwarya Pathak	- III - Sem MB	Aishwarya
11.	22IAMOS148	Vijay S	- I -	Vijay
12.	22IAMOS142	Niharika G	- I -	Niharika
13.	22IAMOS146	Padmasree A	- I -	Padmasree A
14.	22IAMOS131	Deeven Kumar	- I -	Deeven Kumar
15.	22IAMOS144	Nithin S	- I -	Nithin S
16.	22IAMOS001			
17.	22IAMOS037	Hemabindu	II MSc BIOTECH	Hemabindu
18.	22IAMOS011	Amrutha R	II MSc (BPOchemistry)	Amrutha R
19.	22IAMOS019	Mohan S	II MSc (BPOchemistry)	Mohan S
20.	22IAMOS020	Pavan N	II MSc (BC)	Pavan N
21.	22IAMOS012	Ashwini R	II MSc (BC)	Ashwini R
22.	22IAMOS023	tharun	II MSc (BC)	tharun
23.	2	Nithin kumar m	I MSc (BC)	Nithin kumar m
24.		G.M. Naveen	I MSc (BC)	Naveen
25.	22IAMOS017	Manjima Thakur BM	II MSc (BC)	Manjima
26.	22IAMOS050	Namratha . M	II MSc (BT)	Namratha
27.	22IAMOS051	Navya . CM	- I -	Navya CM
28.	22IAMOS047	Lakshmi priya S	- I -	Lakshmi priya S
29.	22IAMOS040	Bhanu Sagar	- I -	Bhanu Sagar
30.	22IAMOS041	Navya Jyothi	- I -	Navya Jyothi
31.	22IAMOS059	Sneha Manha	II M.Sc. (BT)	Sneha
32.	22IAMOS024	Ajayappan - M	II MSc (BT)	Ajayappan
33.	22IAMOS035	Kovearthini - k	II MSc (BT)	Kovearthini
34.	22IAMOS062	Suparna Bhowmik	II MSc (BT)	Suparna
35.	22IAMOS043	Kavyashree	II MSc (BT)	Kavyashree
36.	22IAMOS053	Nithya K.R.	II MSc (BT)	Nithya
37.	22IAMOS067	Vijayalakshmi	II MSc (BT)	Vijayalakshmi
38.	22IAM-			
39.				
40.				
41.				
42.				
43.				

Faculty In-charge

Principal

SNO	REG-NO	NAME	PROGRAM & SEMESTER	SIGN
1.	P20AU235027019	Anusha B.E	I sem, Biotechnology	Anusha B.E
2.	P20AU235027022	Swathi	I sem, Biotechnology	Swathi
3.	P20AU235027023	Rakshitha.HS	I sem, Biotechnology	Rakshitha
4.	P20AU235027024	Vanamadhi.L	I sem, Biotechnology	Vanamadhi
5.	P20AU235027021	Preemalathi	I Sem, Biotechnology	Preemalathi
6.	P20AU235027015	Yashaswini.S.R.	I Sem, Biotechnology	Yashaswini
7.	P20AU235027016	Nirmala.M	I Sem, Biotechnology	Nirmala
8.		Vaughna	I sem Microbiology	Vaughna
9.		Nancy	"	Nancy
10.		Monika	"	Monika
11.		Parvithana	"	Parvithana
12.		Fahreen Bano	"	Fahreen Bano
13.		Tharushree	"	Tharushree
14.		Kavya	"	Kavya
15.		Nikhil	"	Nikhil
16.		Jeevika	"	Jeevika
17.		Klarkki	"	Klarkki
18.		Asma	"	Asma
19.		Faizan	"	Faizan
20.		Nametha MA	I Sem Biochem	Nametha
21.		Jayashree L.M	-II-	Jayashree
22.		Spaldhu T	-II-	Spaldhu
23.		Sandhya.K	-II-	Sandhya.K
24.				
25.				
26.				
27.				
28.				
29.				
30.				
31.				
32.				
33.				
34.				
35.				
36.				
37.				
38.				
39.				
40.				
41.				
42.				
43.				
44.				
45.				
46.				
47.				
48.				
49.				
50.				

Username	Name of the Participant	Mobile Number	How best can you c	Class and Course (if student),	Desig
2divyasiri709@gmail.com	Divya G L	9632061839	Student	Msc Chemistry	
2granjitha1000@gmail.com	Ranjitha G	6360859574	Student	I year MSc chemistry	
2ma1500439@gmail.com	Ashwini	7338118175	Industrial expert	Biotechnology	
2nethramn03@gmail.com	NethraMN	9513898695	Student	Msc(organic chemistry)	
2bmegha104@gmail.com	Megha B	6366600962	Student	MSc Organic chemistry	
2mohanmini051@gmail.com	Mini M	7483577144	Student	3rd year bsc	
2anitharaj.selvam@gmail.com	Anitha P	9964822104	Faculty	Guest lecture	
2premavathibgp19@gmail.com	Premavathi	8867067198	Student	I'm a student i need study about the	
2aishwaryam17032003@gmail.com	Aishwarya M	8951054857	Student	M.sc biotechnology	
2rakshithahs93@gmail.com	Rakshitha.HS	8904490734	Student	1st MSC , Biotechnology	
2rakshithacn6@gmail.com	Rakshitha C N	9.17205E+11	Student	MSC in Biotechnology, 1st sem	
2nimijudi05@gmail.com	Nirmala.M	8296908952	Student	First year MSc biotechnology	
2ayeshasunmaz756@gmail.com	Ayeshasunmaz S A	8123570211	Student	1st year Msc Biotechnology	
2debjitb999@gmail.com	Debjit Banerjee	6291028238	Student	2nd year BSC	
2plalitha507@gmail.com	LalithaP	8660413336	Student	MSc. Biotechnology	
2Kavithahb404@gmail.com	Kavitha hb	9380071934	Student	Biotechnology 1year Msc	
2dineshmgowda1@gmail.com	DR DINESH S M	9844490637	Faculty	ASSISTANT PROFESSOR	
2mukthaharsha@gmail.com	Dr Muktha H	9945714848	Faculty	Assistant Professor	
2sushmithansushmithan5@gmail.com	Sushmitha N	9916418608	Student	Msc 1st year Biotechnology	
2meghanasm66@gmail.com	Meghana S	8867234129	Student	1st MSc (Biotechnology)	
2hs7183752@gmail.com	Harshitha H.S	8453453734	Student	1st year MSC Biotechnology	
2vanamadhi696@gmail.com	Vanamadhi.K	8618433759	Student	Msc Biotechnology 1st year	
2ramykr653@gmail.com	Ramya K R	9482353653	Student	Ist MSc -Microbiology	
2rashmikr959@gmail.com	Rashmi K R	9482358232	Student	Student	
2monishaym123@gmail.com	Monisha YM	6360023946	Student	Msc in Biotechnology	
2madhurahv20@gmail.com	Madhura H V	8431542254	Student	Msc Biotechnology	
2drshilpap13@gmail.com	Dr. Shilpa P	7829767363	Faculty	Assistant Professor	
2rashmidoddabasappa49@gmail.com	Dr. Rashmi D	9964600314	Faculty	Assistant Professor	
2yashaswiniyashu7186@gmail.com	Yashaswini S R	9591947186	Student	Msc Biotechnology 1st year	
2anushabe798@gmail.com	Anusha B E	9663356735	Student	1st year MSc, Biotechnology	

2pruthvibm08@gmail.com
 2chaithra03shetty@gmail.com
 2swwthi16061999@gmail.com
 2abirami.harini2011@gmail.com
 2grace.22iamos133@iadc.ac.in
 2sundarcasmb04@gmail.com
 2ruthernelson@gmail.com
 2savithri.bt@bmsce.ac.in
 2sreejazooology@gmail.com
 2revathiganesanbio@gmail.com
 2lokkirubahar@gmail.com
 2brighty30471@gmail.com
 2dpaulrosyii@gmail.com

Pruthvi BM
 Chaithra c
 Swathi
 ✓ Dr.P.ABIRAMI
 Grace Peniel A Raju
 Sundaramanickam
 ✓ Dr R. Nelson
 ✓ Savithri Bhat
 ✓ Dr.S.J.Sreeja
 Dr.G.Revathi
 ✓ Dr. S. LOK KIRUBAHAR
 Dr. D. Brighty
 P.ROSALIND DAISY RANI

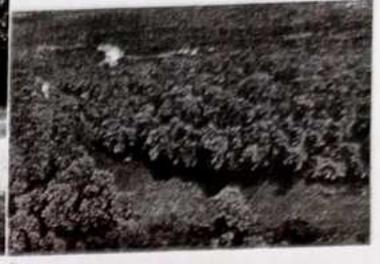
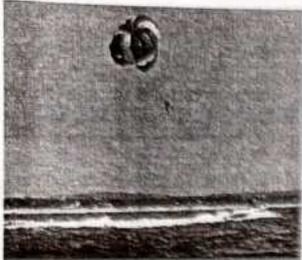
9945017882 Student
 9480227359 Student
 9986796557 Student
 9629890249 Faculty
 7829936965 Student
 9.19486E+11 Faculty
 9894397119 Faculty
 9535067633 Faculty
 9442049882 Faculty
 8760010115 Faculty
 9790583439 Faculty
 7708224587 Faculty
 9025970012 Faculty

1st year MSc -Biotechnology
 1st msc in biotechnology
 MSC BIOTECHNOLOGY
 Assistant Professor of Botany
 MSc microbiology
 Associate Professor
 Associate Professor
 Mol bio and genetics , genetic engg,
 Assistant Professor of Zoology
 Assistant Professor of Zoology
 Assistant Professor, Department of
 Assistant Professor
 Assistant Professor

EXCURSION INDIA PACKAGE TOURS

EDUCATIONAL TOUR OPERATOR

G-1, Emerald Apartment Venketshappa Layout RS, Palya Kammanahalli Bengaluru 560033
Ph: - Mobile: - 9986461197 /9743244161 E-Mail: excursionindiapackage tours@gmail.com



To,
The Principal
Indian Academy Degree College Autonomous,
Department of Biotechnology,
Hennur Road, Bangalore

Autark
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.

Dear Sir / Madam,

We have great pleasure to offer our services as tour operators. At the all India Level we confidently assure you that we can provide the best of our service at concession rate. We hope you will make use of and drive the maximum benefit

HIGHLIGHTS OF GOA

Day 1	: Departure from Yehwanthpur railway station to Goa in IInd sleeper coach students are requested to assemble in railway station by 2pm
Day 2	: Arrival Goa(Madgoan) by 4am bus will pick you up to ,check in to Palm Resoret Goa soon after breakfast visit Agricultural Institute(ICAR)/CSIR National Institute of Oceanography (NIO) Unites Beverages Ltd/ Impala distillery & brewery Ltd/ Goa State Co-operative Milk Producers' Union Ltd after lunch Fort Augoda , relax in Calangute beach for few hours sightseeing, Mira Mar, Dono Poula Beach Sun Set, Boat Cruises back to hotel dinner and night halt.
Day 3	: Wakeup call at 8.00AM bath breakfast Agricultural Institute(ICAR)/CSIR National Institute of Oceanography (NIO) Unites Beverages Ltd/ Impala distillery & brewery Ltd/ Goa State Co-operative Milk Producers' Union Ltd After lunch Anjuna beach , enjoy the view later Bhga Beach , back to hotel DJ (Private party for students only) Dinner and Night halt.
Day 4	: Wakeup call by 8am soon after breakfast checkout hotel visit Agricultural Institute(ICAR)/CSIR National Institute of Oceanography (NIO) Unites Beverages Ltd/ Impala distillery & brewery Ltd/ Goa State Co-operative Milk Producers' Union Ltd After lunch st.francis Xavier Church in old Goa, Goa Museum, Mangashi Temple shopping dinner & bus will drop you in railway station to board train to Bangalore train starts by 11pm departure to Bangalore
Day 5	: Arrival Bangalore with memories

Rate: Rs. 6,200/- Per Head. We require a minimum of 45students 3 staff complimentary for every trip. For 37 and 40 students, the rate will be 25% and 30 % respectively increased. Above Rate Considering 50% discount in Railway for students and availability)

Planning To Travel Your Dream Location Travel Through Us We Will Make It Reality...

EXCURSION INDIA PACKAGE TOURS



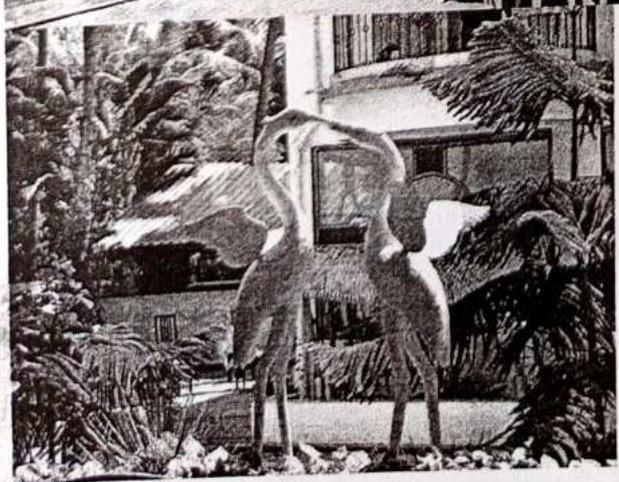
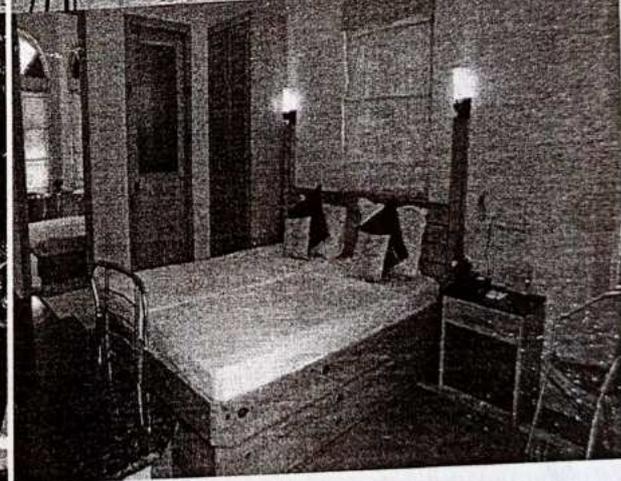
EXCURSION INDIA PACKAGE TOURS

EDUCATIONAL TOUR OPERATOR

G-1, Emerald Apartment Venketshappa Layout RS, Palya Kammanahalli Bengaluru 560033
Ph: - Mobile: - 9986461197 /9743244161 E-Mail: excursionindiapackagetours@gmail.com

OUR HOTELS

Goa Palm Resort



Planning To Travel Your Dream Location Travel Through Us We Will Make It Reality...



From

Department of Life Science – Biotechnology
Indian Academy Degree College – Autonomous
Bengaluru - 560043

10 February 2024

To

The principal
Indian Academy Degree College – Autonomous
Bengaluru – 560043

Respected Madam

Subject: Request for permission of Industrial Visit

With regard to the above subject, and as per our curriculum, we planned to go for an industrial visit from 26th February to March 1st, 2024. We are a total of 38 students (MSc Biotechnology Final year) and 2 faculties, planning to visit National Institute of Oceanography and Indian council for Agricultural research (ICAR) at Goa.

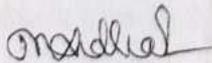
Detailed Itinerary and List of students are enclosed herewith.

In this regard, we kindly request you to permit us for the same.

Yours Sincerely,
17/10/02/2024.
Dr. Ramachandra Murthy

Faculty Accompanying:

1. Prof. Sudhakar Malla
2. 2.



Program Coordinator - Biotechnology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bengaluru - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLL

Objectives of the Industrial Visit:

Indian Council of Agricultural Research (ICAR):

- 1. Understanding Agricultural Research Methods:** The primary objective is to expose students to the cutting-edge research methods employed by ICAR in the field of agriculture. This includes gaining insights into innovative farming techniques, crop improvement, and soil health management.
- 2. Exposure to Agricultural Laboratories:** To provide students with a firsthand view of the laboratories at ICAR, where advanced research on plant genetics, biotechnology, and soil science is conducted. This will enhance their understanding of the practical applications of scientific principles in agriculture.
- 3. Interacting with Agricultural Scientists:** Facilitating interactions with agricultural scientists and researchers to enable students to learn about ongoing projects, ask questions, and gain valuable guidance. This will help in fostering an appreciation for research and development in the agricultural sector.
- 4. Awareness of Agricultural Policies:** Learning about the role of ICAR in shaping agricultural policies and its contribution to the development of sustainable and environmentally friendly farming practices. This will provide students with a broader perspective on the socio-economic impact of agricultural research.

National Institute of Oceanography (NIO):

- 1. Exploration of Marine Research:** Offering students a comprehensive view of marine research and exploration conducted by NIO. This includes understanding the various aspects of oceanography such as marine biology, geophysics, and marine geology.
- 2. Visit to Oceanographic Laboratories:** Providing students with an opportunity to visit state-of-the-art laboratories at NIO, where they can witness experiments and studies related to marine ecosystems, biodiversity, and climate change impact on oceans.
- 3. Interaction with Marine Scientists:** Facilitating interactions with marine scientists and researchers to gain insights into their work, ongoing projects, and the challenges

faced in marine research. This will inspire students and provide a platform for discussing potential career paths in oceanography.

- 4. Observation of Oceanographic Instruments:** Understanding the functioning of oceanographic instruments used by NIO for data collection and analysis. This objective aims to familiarize students with the practical applications of technology in marine research.

Outcome:

By incorporating these objectives into the industrial visit, students can gain a comprehensive understanding of the operations, research, and contributions of both ICAR and NIO in their respective fields.

 10/02/2024

Program Coordinator - Biotechnology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

INDIAN ACADEMY

Degree College - Autonomous

Reaccredited by NAAC with 'A++' Grade | Recognized by Govt. of Karnataka | Affiliated to Bengaluru North University

Department of Life Sciences - Biotechnology

MSC BIOTECHNOLOGY III SEMESTER

LIST OF STUDENTS:

Sl No.	Name of the Candidate	Gender	Age
1	Aiyappan, M	M	23
2	Bhavan Kumar A	M	23
3	Bhavya C	F	22
4	CK Lakshmi	F	22
5	Chethan L	M	23
6	Chiranth Jain P	M	22
7	Gayeethri HN	F	24
8	Govardhini K	F	23
9	Gowtham SS	M	21
10	Hemabindu C	F	23
11	Inchara R	F	23
12	Indra Kumar V	M	24
13	Jonnakuti Bhanu Sagar	M	25
14	Karne Navya Jyothi	F	26
15	Kavya M	F	22
16	Kavya Shree N	F	22
17	Keerthana JM	F	22
18	Kiran Kumar BC	M	21
19	Kusuma AB	F	23
20	Lakshmi Priya S	F	22
21	Likhitha L	F	22
22	Mahendra M	M	23
23	Namratha M	F	22
24	Navya CM	F	22
25	Nithin Kumar CV	M	24
26	Nithya KR	F	22
27	Pallavi N	F	24
28	Rachel V	F	23
29	Sangeetha S	F	22
30	Sneha Manna	F	21

Indian Accademy Group of Insitutions, Hennur Main Road, Bengaluru - 560 043, India.

Tel: +91-080-67458900 | Mobile: +91-9880105678 / 9901110757 | Email: principal@iadc.ac.in / info@iadc.ac.in

www.iadc.ac.in



INDIAN ACADEMY

Degree College - Autonomous

Reaccredited by NAAC with 'A++' Grade | Recognized by Govt. of Karnataka | Affiliated to Bengaluru North University

Sl No.	Name of the Candidate	Gender	Age
31	Soundarya More	F	23
32	Souvik Bhunia	M	22
33	Suparna Biswas	F	23
34	Surya S	M	22
35	Sushmitha Dinesh	F	24
36	Sweta M	F	23
37	Tejaswini Hegde	F	22
38	Vijayalakshmi BL	F	23

List of Faculty Accompanying:

Sl No.	Name of the Candidate	Gender	Age
1	Sudhakar Malla	M	42
2	Divya	F	36

Yours Sincerely



Dr. N. Thilaka

Principal

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Indian Academy Group of Institutions, Hennur Main Road, Bengaluru - 560 043, India.

Tel: +91-080-67458900 | Mobile: +91-9880105678 / 9901110757 | Email: principal@iadc.ac.in / info@iadc.ac.in

www.iadc.ac.in



INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences - Biotechnology

MSC BIOTECHNOLOGY III SEMESTER

LIST OF STUDENTS:

Sl No.	Register No.	Name of the Candidate	Signature
1	22IAMOS024	Aiyappan. M	Aiyappan M
2	22IAMOS027	Bhavan Kumar A	Bhavan Kumar A
3	22IAMOS028	Bhavya C	Bhavya C
4	22IAMOS029	CK Lakshmi	CK Lakshmi
5	22IAMOS031	Chethan L	Chethan L
6	22IAMOS032	Chiranth Jain P	Chiranth Jain P
7	22IAMOS034	Gayeethri HN	Gayeethri HN
8	22IAMOS035	Govardhini K	Govardhini K
9	22IAMOS036	Gowtham SS	Gowtham S.S.
10	22IAMOS037	Hemabindu C	Hemabindu C
11	22IAMOS038	Inchara R	Inchara R
12	22IAMOS039	Indra Kumar V	Indra Kumar V
13	22IAMOS040	Jonnakuti Bhanu Sagar	Jonnakuti Bhanu Sagar
14	22IAMOS041	Karne Navya Jyothi	Karne Navya Jyothi
15	22IAMOS042	Kavya M	Kavya M
16	22IAMOS043	Kavya Shree N	Kavya Shree N
17	22IAMOS044	Keerthana JM	Keerthana JM
18	22IAMOS045	Kiran Kumar BC	Kiran Kumar BC
19	22IAMOS046	Kusuma AB	Kusuma AB
20	22IAMOS047	Lakshmi Priya S	Lakshmi Priya S
21	22IAMOS048	Likhitha L	Likhitha L
22	22IAMOS049	Mahendra M	Mahendra M
23	22IAMOS050	Namratha M	Namratha M
24	22IAMOS051	Navya CM	Navya CM
25	22IAMOS052	Nithin Kumar CV	Nithin Kumar CV
26	22IAMOS053	Nithya KR	Nithya KR
27	22IAMOS054	Pallavi N	Pallavi N
28	22IAMOS055	Rachel V	Rachel V
29	22IAMOS056	Sangeetha S	Sangeetha S
30	22IAMOS059	Sneha Manna	Sneha Manna
31	22IAMOS060	Soundarya More	Soundarya More
32	22IAMOS061	Souvik Bhunia	Souvik Bhunia
33	22IAMOS062	Suparna Biswas	Suparna Biswas
34	22IAMOS063	Surya S	Surya S

35	22IAMOS064	Sushmitha Dinesh	Sushmitha
36	22IAMOS065	Sweta M	Sweta M.
37	22IAMOS066	Tejaswini Hegde	Tejaswini
38	22IAMOS067	Vijayalakshmi BL	Vijayalakshmi Bal

E. Prath
10/02/2024
Program Coordinator

Program Coordinator - Biotechnology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Aradhya
HOD
HEAD

Department of Life Sciences
Indian Academy Degree College - A
Bangalore - 560043

Aradhya
Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Reaccredited by NAAC with 'A++' Grade | Recognized by Govt. of Karnataka | Affiliated to Bengaluru North University

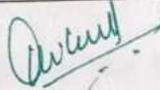
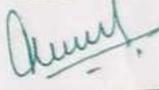
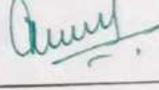
Date: 15.02.2024

To,
The Station Manager,
South Western Railway,
Bengaluru.

Respected Sir/Madam,

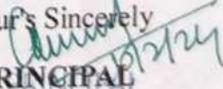
Sub: Authorized Signature.

We hereby inform you that following persons of our organization are authorized to sign all official documents relating to railway ticket reservation and other related forms. Their signatures are attested here under for your kind information.

Sl. NO	Name of the people authorized	Designation	Specimen Signature	Attestation
01	Dr. N. Thilaka	Principal		
02	Prof. Rajarajan	Vice - Principal		

Thanking You,

Yours Sincerely


PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Indian Acadademy Group of Insitutions, Hennur Main Road, Bengaluru - 560 043, India.

Tel: +91-080-67458900 | Mobile: +91-9880105678 / 9901110757 | Email: principal@iadc.ac.in / info@iadc.ac.in

www.iadc.ac.in



INDIAN ACADEMY

Degree College - Autonomous

Reaccredited by NAAC with 'A++' Grade | Recognized by Govt. of Karnataka | Affiliated to Bengaluru North University

Date: 15-02-2024

To,
The Station Manager,
South Western Railway,
Bangalore

Respected Sir, Madam

Sub: Request to issue Students Bulk booking for educational tour to Goa onwards and return Journey.

With reference to above subject our College is organizing an Educational Tour to Goa for our final year MSC Biotechnology Students 38 Students + 2 Staff members.

The date of the education tour is Feb 26th to March 01st, 2024

Hence I request you to kindly grant the students Bulk Booking to Goa Onwards and return journey.

Kindly do the needful.

Departure from Bangalore to Goa on --- 2024 Train No: 17309

Departure from Goa to Bangalore on ----2024 Train No: 17310

Student's concession book T1030 book number: 749635, 749636

Thanking you,

Yours faithfully

Dr. N. Thilaka
Dr. N. Thilaka

Principal

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Indian Accademy Group of Insitutions, Hennur Main Road, Bengaluru - 560 043, India.

Tel: +91-080-67458900 | Mobile: +91-9880105678 / 9901110757 | Email: principal@iadc.ac.in / info@iadc.ac.in

www.iadc.ac.in



Scanned with OKEN Scanner

Browser address bar: <https://mail.google.com/mail/u/0/#inbox/KtboxlwhHppqV7qsMqPbWNmLhCGGjKBPmMhL>

Search in mail

Human Resource Development Cell - CCARI <hrd.ccar@icar.gov.in> to Shashi, Rahul, me

Dear Sir,

This is in response to your email regarding permission for students visit to our Institute. Thank you for your interest to visit ICAR-CCARI, Goa to get acquainted with the research and extension activities of the Institute.

Students along with staff members are permitted to visit the Institute farm on 28.02.2024 preferably at 10.00 am. The entry fees will be charged @ Rs.20 per student and for accompanying staff.

Please contact Mr. Shashi Vishwakarma (Sr. Technical Officer, 9146471418) upon your arrival at our Institute's main gate (B1) for coordinating the guided visit of around one hour in our campus.

Thanking you.
With regards,

HRD Cell
ICAR-Central Coastal Agricultural Research Institute
(Department of Agricultural Research and Education)

Stamp: INDIAN ACADEMY DEGREE COLLEGE
Signature: *Sudhakar*
PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
BENGALURU - 43

17 of 7,135

Feb 13, 2024, 10:48 AM (2 days ago)

Labels: MSC 4 sem 2018-20, sudhakar new

99+ Mail, Chat, Meet

Compose, Inbox (3,773), Starred, Snoozed, Sent, Drafts (152), More

INDIAN ACADEMY get ready for life

Windows taskbar: 09:30, 15-02-2024, ENG

INDIAN ACADEMY

Degree College - Autonomous

Transport Requisition Form- For Students/Staff

1. Name/ Department/College requesting : BIOTECHNOLOGY
2. Phone Number : 9964893384
3. Purpose of the requirement : Drop at railway station -
Industrial visit
4. Address of the Organisation Visiting : _____
5. Number of Students/Persons visiting : 24 students (MSc-BT)
6. Details of the Faculty member accompanying the Students/Staff : M. SUDHAKAR
7. Number of days of visit : - Drop only -
8. Sanctioned By : _____
9. Date, Time & Place of Pick up/Start : 26-02-24 1:15 PM
10. Date, Time & Place of Drop/Return : _____
11. Signature of H O D/Person Requesting: [Signature] 20/02/2024
12. Signature of Vice Principal/Principal : [Signature]
13. Remarks of Manager (Ops & Maint) : _____

FOR OFFICE USE

- 14 Vehicle Registration Number : _____
- 15 Driver's Name : _____
16. Kilometer reading OUT : _____
17. Kilometer reading IN : _____
18. Total Kilometers done : _____
19. Time OUT of the vehicle : _____
20. Time IN of the vehicle : _____

10.
Account's dept.
Kindly collect the Amount of
Rs. 600/- Towards Diesel
charges for Railway
Station drop.
[Signature]

No.: 1911

Dated 26-Feb-2024

Indian Academy Degree College
Hennur Cross, Hennur Main Road, Bangalore
E-Mail : accounts@indianacademy.edu.in

Receipt

Received with thanks from : **MR.SUDHAKAR**

The sum of : Indian Rupees Six Hundred Sixty Only
By : Cash
Remarks : BEING DIESEL CHARGES FOR
DROPPING STUDENTS AT RAILWAY
STATION FOR INDUSTRIAL VISIT -
DEPT OF BIO TECH

₹ 660.00/-

Shreyas
Authorised Signatory



दक्षिण रेलवे/SOUTHERN RAILWAY

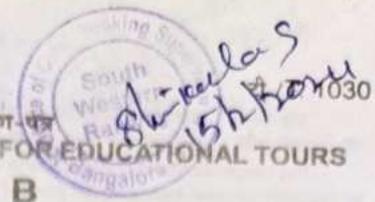
SEAL AND SIGNATURE IS VERIFIED AND FOUND

*CERTIFICATE FOR OBTAINING STUDENTS CONCESSION FOR EDUCATIONAL TOURS

प्रेषक/From

INDIAN ACADEMY DEGREE COLLEGE, AUTONOMOUS BANGALORE-43

749636



सेवा में/To

स्टेशन मास्टर/The Station Master, KSR Bangalore Rly, South Western

स्कूल/कालेज या संस्था के कार्यालय का मुहर Office Stamp of the School/College of Institution



यह प्रमाणित किया जाता है कि

(संख्या शब्दों में)

जिनके नाम नीचे उल्लिखित किया गया है, मेरे स्कूल/कालेज/संस्था के वास्तविक छात्र एवं छात्राएं हैं। ये शैक्षिक दौर पर जा रहे हैं और भारत में कलात्मक महत्त्व के स्थानों के संदर्शन के लिए/बाए अपने स्कूल/कालेज/संस्था से/को जा रहे हैं।

This is to certify that THIRTY EIGHT STUDENTS (12 BOYS + 26 GIRLS) Boys/Girls + 2 Faculties

named below are bona fide students of my School/College/Institution and are proceeding on educational tours. From/To his/her their School/College/Institution for/after visiting places of artistic importance in India.

2. यह दौरा The tour is sponsored by INDIAN ACADEMY DEGREE COLLEGE द्वारा प्रवर्तित है (स्कूल/कालेज/संस्था का नाम)। (Name of the School/College/Institution)

3. वे They are travelling from VASU DA GAMA (station) to BANGALORE (station) यात्रा के लिए रिआयत टिकट जारी किया जाय। (किस स्टेशन से) (किस स्टेशन तक) मात्रा कर रहे हैं और उनकी and concession tickets for their journeys may please be issued.

नोट—(i) वापसी टिकट जारी नहीं किया जाता है। प्रत्येक यात्रा के लिए अलग आवेदन पत्र देना चाहिए।

Note.—Return tickets are not issued. A separate application should be made for each journey.

(ii) जो इन्द्राज अपेक्षित नहीं उन्हें काट दिया जाय।/Entries not required should be scored out.

(iii) यह रिआयत विदेशी शैक्षिक संस्था के छात्रों के लिए भी लागू है दर्शाते कि उनके दल में पन्द्रह छात्रों से कम न हों (मार्ग रक्षकों को छोड़कर)।

(iv) The concession will also apply to Students of Educational Institutions of foreign countries when in parties of not less than fifteen (excluding escorts).

क्रम सं. Sl. No.	छात्रों के नाम Name of Students	लिंग Sex	आयु Age
1	Aiyappan. M	M	23
2			
3			
4			
5			
6	As per the name list attached.		
7			
8			
9			
10			
11			
12			
13			
14			
15			

दल के नेता के हस्ताक्षर/Signature(s) of Leader(s) of Party

15-02-2024

Handwritten signatures and dates in green ink.

आयती आदेश/CONCESSION ORDER

Principal/Headmistress INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS HENNUR MAIN ROAD BENGALURU - 43

इस भारतीय छात्रों के प्रत्येक दल के एक प्रोफेसर/शिक्षक और एक परिचर के लिए और पन्द्रह विदेशी छात्रों के प्रत्येक दल के दो प्रोफेसर या शिक्षक और एक परिचर के लिए भी रियायत लागू है।

The concession is also applicable to one Professor/Teacher and one Attendant per party of ten Indian Student and two Professors or Teachers and one Attendant per party of fifteen foreign students.

मार्गरक्षी.—(1) किसी भी आयु के छात्रों और 12 वर्ष के कम आयुवाले छात्रों के साथ निम्नप्रकार रियायत दर में मार्गरक्षी को दल के साथ यात्रा करने की अनुमति दी जाती है।

Escorts.— (1) In the case of girl students of any age and boy students under the age of 12 years, escorts may be allowed to travel with the party at concession fares as under—

ऐसे प्रति चार छात्रों के लिए एक मार्गरक्षी।
One escort for every four such students.

नोट.—अतिरिक्त (1, 2 या 3 जैसी स्थिति हो सके) किसी ऐसे छात्रों की निम्नप्रकार मार्गरक्षी के लिए अपेक्षित संख्या में बिना जा सकता है।
Note.—Any such student in excess (1, 2 or 3 as the case may be) can be countered towards the number required for escorts under the below.

(2) 12 वर्ष और उससे ऊपरवाले छात्रों के तथा निम्नप्रकार रियायत प्रभारों में मार्गरक्षी दल के साथ यात्रा कर सकते हैं—
In the case of boy student of 12 years and over escort may be allowed to travel with the party at concession fare as under—

ऐसे प्रति चार छात्रों के लिए एक मार्गरक्षी।
One escort for every fifteen such students.

नोट.—चुने गये स्टेशन को छोड़कर अन्य स्टेशनों से आरंभ करनेवाली यात्राओं ने दूसरे और तीसरे पत्रे की चुने गये स्टेशन में प्रस्तुत करना है जहां इसकी जांच की जायेगी और उसके वास्तविकता के संदर्भ में अपने हस्ताक्षर और स्टेशन मुहर उपस्कर संकेत किया जायेगा। यदि प्रमाण-पत्र इस प्रकार पृष्ठांकित नहीं किया जाय तो जिस स्टेशन से यात्रा प्रारंभ होती है वह स्टेशन रियायत टिकट जारी करने के लिए कर सकता है।

Note.—In the case of jourmings commencing at stations other than the selected station the second and the third foils should be presented to the selected station who will verify and make an endorsement about the genuineness of the certificate affixing the signature and station stamp. If certificate is not to endorsed the station from which the journey is to commence will refuse to your concession ticket.

यह प्रमाण-पत्र जारी करने की तारीख से तीन महीनों के लिए विधिमाम्य है।

*This certificate is valid for three months from the date of issue.

श्रेणी:.....की जारी की गयी/की गयी..... टिकट संख्या
टिकट संख्याएँ
Class..... Ticket No..... issued.
Ticket Nos.....

दिनांक/Date.....

स्टेशन मास्टर/Station Master



4508562759
4362435749
4162435565
4816337761
4609099935
4716337574
4906428936

दक्षिण रेलवे/SOUTHERN RAILWAY

SEAL AND SIGNATURE IS VERIFIED AND FOUND CORRECT



शैक्षिक दौरेार्थ छात्र रिआयत पाने के लिए प्रमाण-पत्र

*CERTIFICATE FOR OBTAINING STUDENTS CONCESSION FOR EDUCATIONAL TOURS

प्रेषक/From

INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS BANGALORE - 43

B

स्कूल/कालेज या संस्था के प्राचार्य/प्रधान को मुहर Office Stamp of the School/College of Institution



सेवा में/To

स्टेशन मास्टर/The Station Master, KSR Bangalore Rly. स्टेशन/Station, South Western रेलवे/Railway,

यह प्रमाणित किया जाता है कि

(संख्या शब्दों में)

जिनके नाम नीचे उल्लिखित किया गया है, मेरे स्कूल/कालेज/संस्था के वास्तविक छात्र एवं छात्राएं हैं। वे शैक्षिक दौरे पर जा रहे हैं और भारत में कलात्मक महत्व के स्थानों के संदर्शन के लिए/बाद अपने स्कूल/कालेज/संस्था से/को जा रहे हैं।

This is to certify that THIRTY EIGHT students (12 Boys + 26 girls) Boys/Girls + 2 faculty.

Named below are bona fide students of my School/College/Institution and are proceeding on educational tours. From/To his/her their School/College/Institution for/after visiting places of artistic importance in India.

- यह दौरा Indian Academy degree college (A) द्वारा प्रवर्तित है (स्कूल/कालेज/संस्था का नाम)।
- The tour is sponsored by Indian Academy degree college (A) (Name of the School/College/Institution)
- वे (किस स्टेशन से) (किस स्टेशन तक) यात्रा कर रहे हैं और उनकी यात्रा के लिए रिआयत टिकट जारी किया जाय।
- They are travelling from BANGALORE (station to) VASCO DA GAMA (station) and concession tickets for their journeys may please be issued.

नोट—(i) वापसी टिकट जारी नहीं किया जाता है। प्रत्येक यात्रा के लिए अलग आवेदन पत्र देना चाहिए।

Note—Return tickets are not issued. A separate application should be made for each journey.

(ii) जो इन्द्राज अपेक्षित नहीं उन्हें काट दिया जाय। / Entries not required should be scored out.

(iii) यह रिआयत विदेशी शैक्षिक संस्था के छात्रों के लिए भी लागू है दर्शते कि उनके दल में पन्द्रह छात्रों से कम न हों (मार्ग रक्षकों को छोड़कर)।

(iv) The concession will also apply to Students of Educational Institutions of foreign countries when in parties of not less than fifteen (excluding escorts).

क्रम सं. Sl. No.	छात्रों के नाम Name of Students	लिंग Sex	आयु Age
1	AIYAPPAN M	M	23
2			
3			
4			
5	AS PER THE NAME		
6	LIST ATTACHED		
7			
8			
9			
10			
11			
12			
13			
14			
15			

दल के नेता के हस्ताक्षर/Signature(s) of Leader(s) of Party.

स्टेशन/Station BANGALORE

दिनांक/Date 15-02-2024

Handwritten signatures and stamp of Principal, Indian Academy Degree College, Hennur Main Road, Bangalore 43.

RECORD रिआयत आदेश/CONCESSION ORDER

(To be surrendered at the destination with the tickets)

इस भारतीय छात्रों के ग्रन्थिक दल के एक प्रोफेसर/शिक्षक और एक परिचर के लिए और पन्द्रह विदेशी छात्रों के ग्रन्थिक दल के दो प्रोफेसर या शिक्षक और एक परिचर के लिए भी रियायत लागू है।
 The concession is also applicable to one Professor/Teacher and one Attendant per party of ten Indian Student and two Professors or Teachers and one Attendant per party of fifteen foreign students.

मार्गरक्षी.—(1) किसी भी आयु के छात्रों और 12 वर्ष के कम आयुवाले छात्रों के साथ निम्नप्रकार रियायत दर में मार्गरक्षी को दल के साथ यात्रा करने की अनुमति दी जाती है।

Escorts.—(1) In the case of girl students of any age and boy students under the age of 12 years, escorts may be allowed to travel with the party at concession fares as under—

ऐसे प्रति चार छात्रों के लिए एक मार्गरक्षी।
 One escort for every four such students.

नोट.—अतिरिक्त (1, 2 या 3 जैसी स्थिति हो सके) किसी ऐसे छात्रों की निम्नप्रकार मार्गरक्षी के लिए अपेक्षित संख्या में बिना जा सकता है।
 Note.—Any such student in excess (1, 2 or 3 as the case may be) can be counterbalanced towards the number required for escorts under the below.

(2) 12 वर्ष और उससे ऊपरवाले छात्रों के तथा निम्नप्रकार रियायत प्रभारों में मार्गरक्षी दल के साथ यात्रा कर सकते हैं—
 In the case of boy student of 12 years and over escort may be allowed to travel with the party at concession fare as under—

ऐसे प्रति चार छात्रों के लिए एक मार्गरक्षी।
 One escort for every fifteen such students.

नोट.—चुने गये स्टेशन को छोड़कर अन्य स्टेशनों से आरंभ करनेवाली यात्राओं ने दूसरे और तीसरे पत्रों की चुने गये स्टेशन में प्रस्तुत करना है जहां इसकी जांच की जायेगी और उसके वास्तविका के संदर्भ में अपने हस्ताक्षर और स्टेशन मुहर उपस्कर संकेत किया जायेगा प्रमाण-पत्र इस प्रकार पृष्ठांकित नहीं किया जाय तो जिस स्टेशन से यात्रा प्रारंभ होती है वह स्टेशन रियायत टिकट जारी करने के लिए इकार कर सकता है।

Note.—In the case of jourmings commencing at stations other than the selected station the second and the third foils should be presented to the selected station who will verify and make an endorsement about the genuineness of the certificate affixing the signature and station stamp. If certificate is not to endorsed the station from which the journey is to commence will refuse to your concession ticket.

यह प्रमाण-पत्र जारी करने की तारीख से तीन महीनों के लिए विधिमान्य है।
 *This certificate is valid for three months from the date of issue.

श्रेणी.....की जारी की गयी/की गयी..... टिकट संख्या
 Class..... Ticket No. टिकट संख्याएँ
 Ticket Nos. issued.

दिनांक/Date..... 16/1/24



- 4162434994
- 4262435098
- 4716336837
- 4462434860
- 4262435047
- 4609099207
- 4816336886

M. K. NARAYAN M

स्टेशन मास्टर/Station Master

LET THE NAME BE ATTACHED

BANGALORE
 12-02-2024

ICAR - 5

**ICAR - Central Coastal
Agricultural Research Institute**
(INDIAN COUNCIL OF AGRICULTURAL RESEARCH)
ELA OLD GOA - 403 402 (GOA)

Book No.

Receipt No **06674**

Date 28/02/2024

Received from Indian Academy degree
with letter No. College, Autonomous, Bangalore
the sum of Rupees

Seven Hundred & Eighty only
in cash
by DD/Cheque No. _____

Date / 20

Date / 20

in payment of Entry fee for 38 students
and 1 faculty @ 20/- each.

₹ 780/-

Signature

Sudhakar
Drawing & Disbursing Officer
ICAR Central Coastal
Agricultural Research Institute
Ela, Old Goa, Goa 403 402

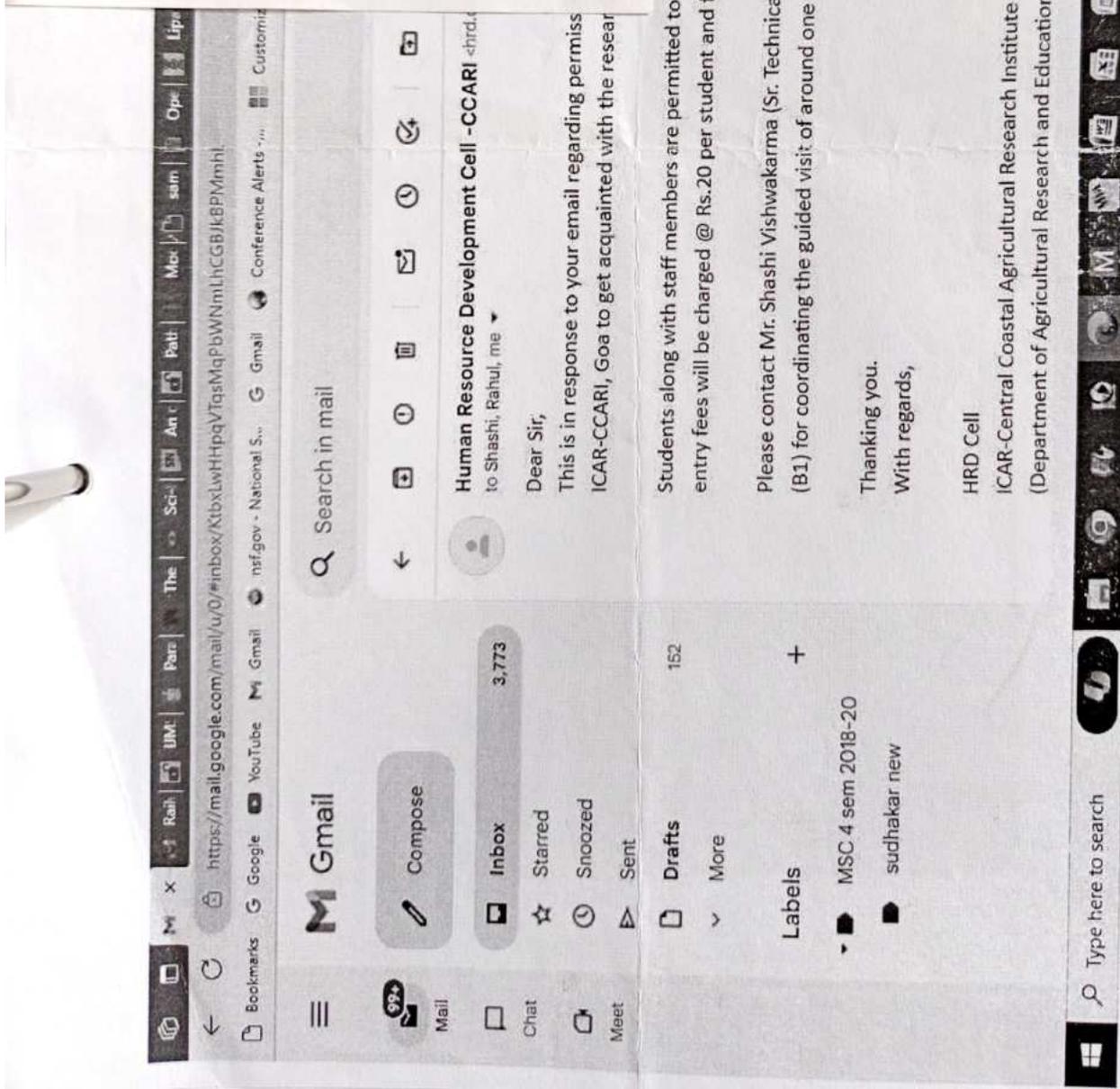


PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE

09-30 BNG 15-02-2024

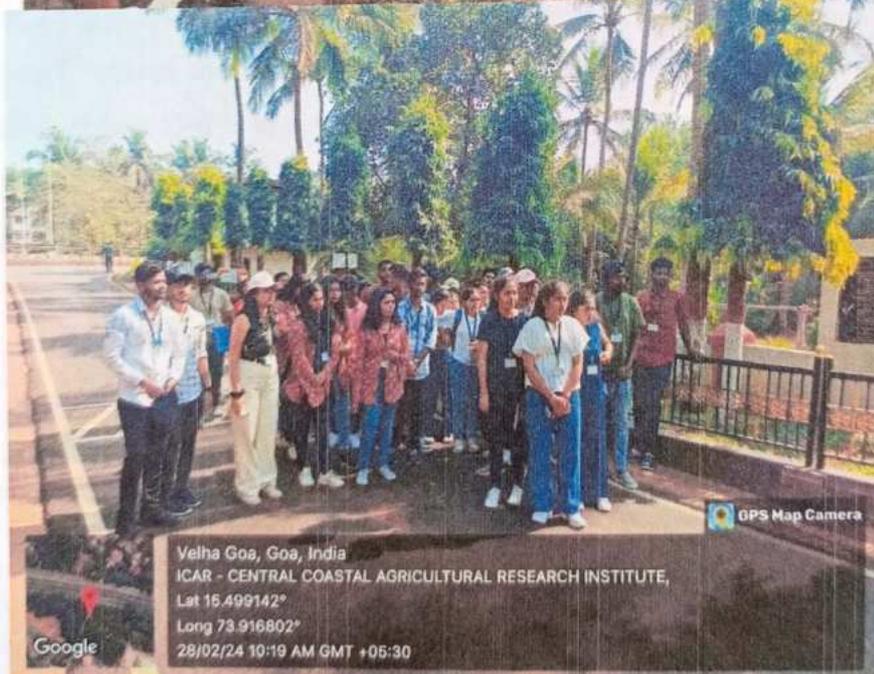
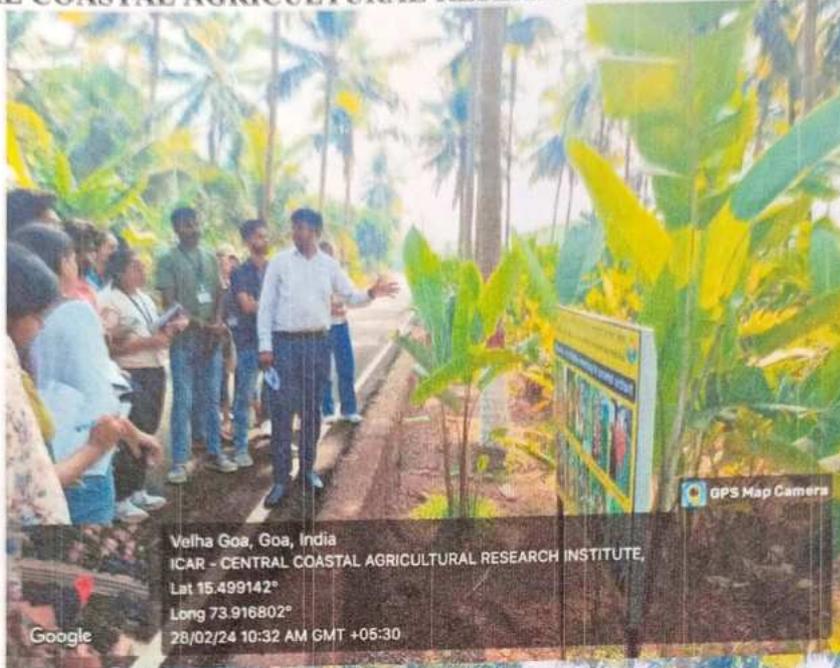
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES- BIOTECHNOLOGY REPORT ON INDUSTRIAL VISIT TO CENTRAL COASTAL AGRICULTURAL RESEARCH INSTITUTE (CCARI), GOA



Principals

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Analy

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

03.11.2023

From

Dr S. Anu Kiruthika,
Department of Life Sciences - Microbiology,
Indian Academy Degree College-Autonomous,
Bengaluru-560043.

To

The Principal,
Indian Academy Degree College-Autonomous,
Bengaluru-560043.

Respected Madam,

Sub: Requisition to grant permission to visit iD Fresh Food India Pvt. Ltd. - reg.

With respect to the above subject, I would like to bring to your kind notice that as a part of the curriculum we would like to take our I, III & V Semster B.Sc Microbiology students for an industrial visit to iD Fresh Food India Pvt. Ltd. Sy. Nos. 515/2, 515/3, 515/4, 516/2, 516/3, 516/4, 533 Madivala village, Kasaba Hobli, Attibele - Anekal Rd, Bengaluru, Karnataka 562107 on 17th November 2023. I have enclosed the students name list with the parents contact number.

Kindly grant permission for the same.

Thank you,

Yours Sincerely,

S. Anu Kiruthika
3/11/23

Dr S. Anu Kiruthika.

Forwarded to HoD
[Signature]

*Accepted and forwarded to
Respected Principal madam for
approval*
[Signature]
3/11/23.

Approved
[Signature]
3/11/23



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

IADCA/LS/23-24/IV/05

CIRCULAR

03.11.2023

Department of Life Sciences - Microbiology is organizing an Industrial visit for I, III & V Semester B.Sc Microbiology students on 17th November 2023 (Friday) to iD Fresh Food India Pvt. Ltd., Bengaluru, Karnataka. The subject teachers of respective classes kindly permit them with attendance.

OBJECTIVES OF INDUSTRIAL VISIT

- To provide students an opportunity to see the food production process, from sourcing raw materials to packaging the final product.
- To educate students on the importance of quality control and hygiene in the food industry.
- To explain how the company manages its supply chain, including procurement, manufacturing, and distribution.

OUTCOME OF THE VISIT

The students

- Understand the complexities of food production.
- Showcase the measures taken by the company to ensure food safety and quality.
- The students have insights into the logistical challenges in the food industry.

Target Students: I, III & V Semester B.Sc Microbiology

Name of the Industry : iD Fresh Food India Pvt. Ltd. Sy. Nos. 515/2, 515/3, 515/4, 516/2, 516/3, 516/4, 533 Madivala village, Kasaba Hobli, Attibele - Anekal Rd, Bengaluru, Karnataka 562107.

Date/Day: 17th November 2023 / Friday.

Departure Time : 8.30 A.M.

Arrival Time : 4:00 P.M.

Organizer: Dr. S. Anu Kiruthika



Program Coordinator - Microbiology
Department of Life Sciences

Program Coordinator : Dr. Malaiyarasa Pandian P



Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Science: Dr. H Ananda Vardhan



HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal: Dr. N. Thilaka



PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

A Report On Industrial Visit

Place: iD Fresh Food India Pvt. Ltd. Bengaluru.

Date: 17.11.2023.

Time: 9am – 4.00pm.

Target students: I, III, V Semester B.Sc Microbiology.

Name of the Resource Person: Mr. Koushik Bharadwaj. K. N., Assistant Manager.

Aim of the Event: To gain knowledge in food production process, quality control and hygiene in the food industry.

Objectives of Industrial visit:

- To provide students an opportunity to see the food production process, from sourcing raw materials to packaging the final product.
- To educate students on the importance of quality control and hygiene in the food industry.
- To explain how the company manages its supply chain, including procurement, manufacturing, and distribution.

Outcomes of Industrial visit:

The students

- Understand the complexities of food production.
- Showcase the measures taken by the company to ensure food safety and quality.
- The students have insights into the logistical challenges in the food industry.

About the event:

Department of Life Sciences - Microbiology, Indian Academy Degree College - Autonomous, Hennur Cross, Hennur Main Road, Kalyan Nagar, Bengaluru organized an Industrial visit for I, III & V Semester B.Sc Microbiology students in iD Fresh Food India Pvt. Ltd., located in Sy. Nos.

515/2, 515/3, 515/4, 516/2, 516/3, 516/4, 533 Madivala village, Kasaba Hobli, Attibele - Anekal Rd, Bengaluru, Karnataka 562107. Dr. S. Anu Kiruthika, Associate Professor, Department of Life Sciences – Microbiology, Indian Academy Degree College – Autonomous, conducted the industrial visit and accompanied by Dr. K. Sahithya, Assistant Professor, Department of Life Sciences – Microbiology, Indian Academy Degree College – Autonomous, on 17th November 2023. All the students assembled in college campus around 8.30am the college bus departed and reached the iD Fresh foods industry at 10.30am.

Mr. Koushik Bharadwaj K. N., Assistant Manager, gave a brief introduction about the industry and the process which is happening in the industry. iD Fresh foods is a food products company based in Bangalore, India. The company manufactures a range of fresh foods including Idly/Dosa Batter, Parotas, chapatis, curd, and paneer. ID Fresh Food, a private limited company, was founded in 2005 by P.C Mustafa and his four cousins - Shamsudeen TK, Abdul Nazer, Jafar TK and Noushad TD.

The company was established with the capital of ₹50,000 by Mustafa. Mustafa holds 50 percent share in the company, and his four cousins hold the rest. The company has supplied ten packets of one-kilogram batter to 20 stores in Bengaluru under the brand name 'ID'(Idly, Dosa) – operating from a 550 square feet space with two grinders, a mixer, and a sealing machine. As the demand for their product increased, Mustafa invested another ₹40 lakh in 2008 and bought a 2,500 square feet shed in the Hoskote Industrial Area at Bangalore. In 2009, he sold his property in Kerala that he had purchased while working in Dubai and pumped in an additional ₹30 lakh into the business. In two years, the company was making 2000 Kg of batter daily. And also, the number of stores partnered with them was increased to 300. In 2014, ID Fresh foods raised ₹35 crore in the first round of funding from Helion Venture Partners. In 2016, ID Fresh foods manufacture around 50,000 kg of batter daily from their units across the country and one in Dubai, which converts into a million idlis.

Process:

1. The Not-So-Secret Ingredients: The best quality of rice, urad dal, and methi is sourced and stored in a clean and dry warehouse. The ingredients are then lifted into the manufacturing unit.

2. Soaking In It: The softest idlies are made from ingredients that are allowed to take their time to absorb just the right amount of water.
3. The Daily Grind: Under close watch, the grains and pulses are separately ground to a specific consistency with a dash of salt.
4. The Perfect Mix: The finely ground rice, urad dal, and methi are now combined.
5. Rise And Shine: There is no shortcut to silky smooth batter. Fermentation to right degree is key.
6. Signed, Sealed, And Soon To Be Delivered: The packs are filled, weighed, air-sealed and sent through a metal detector to ensure there is no adulteration before they are sent to the blast freezer.
7. Now Ready To Be Served With Love And Chutney: The batter then travels to retailers near you. When you pick-up a packet of iD batter, you choose food made with love.

The main motto of the iD fresh food is from the fields till it reaches your table, we make sure everything we make and every step of the process follows two rules - keep it safe and keep it preservative-free. Here's a little glimpse into how we make our idli and dosa batter that millions enjoy every day. The same hygienic process and care goes into making all our products. We wouldn't do anything less when we serve our families and yours.

Conclusion:

The industrial visit to iD Fresh Food was both educational and enlightening. We gained valuable insights into the food processing industry, quality control measures, and sustainability practices adopted by the company. The visit provided a practical understanding of the theoretical concepts learned in the classroom.

Organizer: Dr. S. Anu Kiruthika



Accompanied by: Dr. K. Sahithya



Program Coordinator : Dr. Malaiyarasa Pandian P



HOD Life Sciences: Dr. H Ananda Vardhan



Principal: Dr. N. Thilaka



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

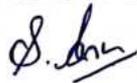
Students Attendance Of Industrial Visit

Place: iD Fresh Food India Pvt. Ltd., Bengaluru.

Date/Day: 17th November 2023 / Friday.

S. No	Reg No	Students Name	Remarks	S.No	Reg No	Students Name	Remarks
1	23IABSC021	Deekshashwini N	Present	20	21IABSC039	Kumar Chandu K	Present
2	23IABSC022	Malathi R	Present	21	21IABSC040	Lekha S	Present
3	23IABSC023	Pavithra K	Present	22	21IABSC041	Lokeshwari M	Present
4	23IABSC044	Joyce Chirsty S	Absent	23	21IABSC042	Manoj S N	Present
5	23IABSC046	Saikeerthana N	Present	24	21IABSC043	Nandini Deb Singha	Present
6	23IABSC061	Arpan Patra	Present	25	21IABSC044	Nandini T	Present
7	22IABSC014	Bipna Singh	Present	26	21IABSC045	Sony T	Absent
8	22IABSC015	Brinda N	Present	27	21IABSC046	Sreejoni Adhikari	Present
9	22IABSC016	Chandravadan R	Present	28	21IABSC047	Supriya P	Present
10	22IABSC017	Meher BI	Absent	29	21IABSC048	Swagata Banerjee	Present
11	22IABSC018	Nanje Gowda HM	Present	30	21IABSC049	Thammineni Raghu	Present
12	22IABSC019	Ramya M	Present	31	21IABSC062	Ankita Digal	Present
13	22IABSC020	Sreelakshmi K	Present	32	21IABSC063	Deepika E S	Present
14	22IABSC021	Varshitha R	Present	33	21IABSC064	Deepika N	Absent
15	22IABSC031	Bidipta Deb	Present	34	21IABSC065	Farhath Banu	Present
16	21IABSC035	Akshatha R	Present	35	21IABSC066	N Harish Kiran	Present
17	21IABSC036	Arpitha H L	Present	36	21IABSC068	Shabana Begum S	Present
18	21IABSC037	Belicia E	Present	37	21IABSC069	Sindhu J	Present
19	21IABSC038	Harmine Tasneem	Absent	38	21IABSC072	Zakiya Khanum	Present

Organizer: Dr S. Anu Kiruthika



Program Coordinator : Dr Malaiyarasa Pandian P



HOD Life Sciences: Dr H Ananda Vardhan



HEAD

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

Principal: Dr N. Thilaka



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

4



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

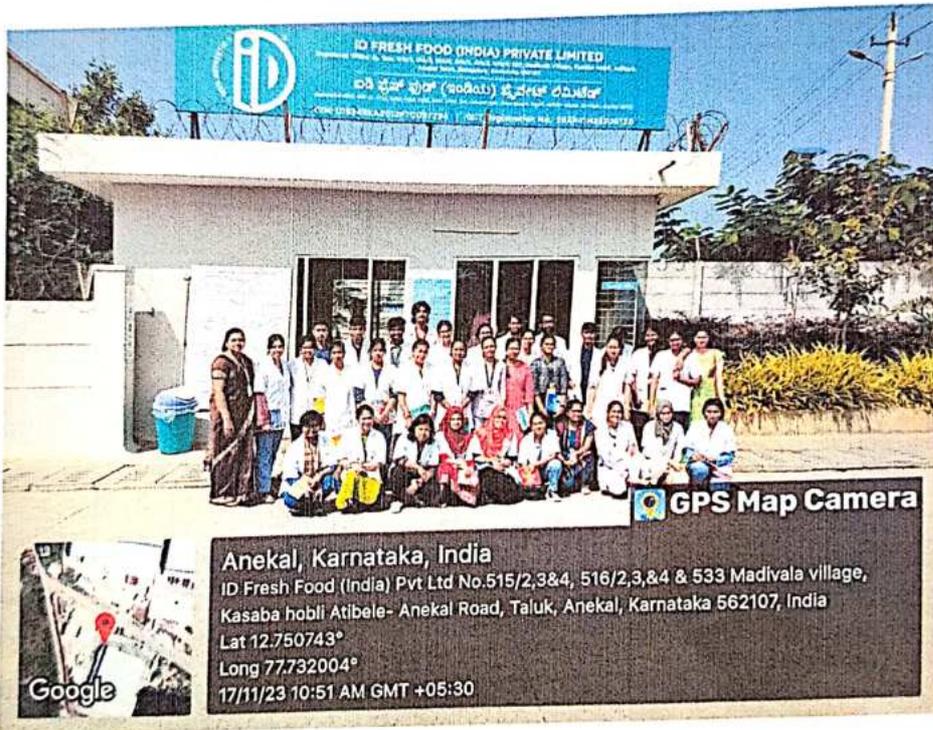
Photographs

Place: iD Fresh Food India Pvt. Ltd. Bengaluru.

Date: 17.11.2023

Target students: I, III & V Semester B.Sc Microbiology.

Time: 9am - 4pm



Organizer: Dr. S. Anu Kiruthika *S. Anu Kiruthika*

Program Coordinator : Dr. Malaiyarasa Pandian P *Malaiyarasa Pandian P*

HOD Life Sciences: Dr. H Ananda Vardhan *H Ananda Vardhan*

Principal: Dr. N. Thilaka *N. Thilaka* **HEAD**

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Students Feedback On Industrial Visit

Place: iD Fresh Food India Pvt. Ltd. Bengaluru

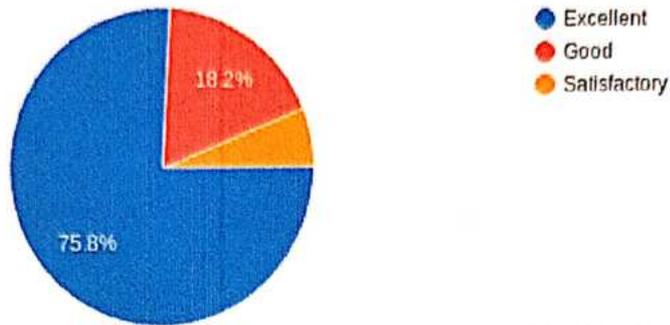
Date: 17.11.2023

Target students: I, III & V Semester B.Sc Microbiology

Time: 9am - 4pm

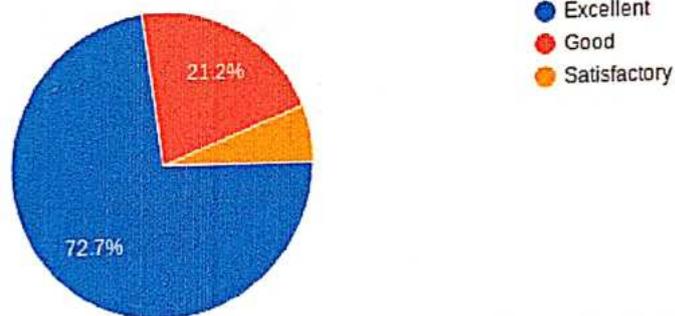
1. The Industrial visit was timely

33 responses



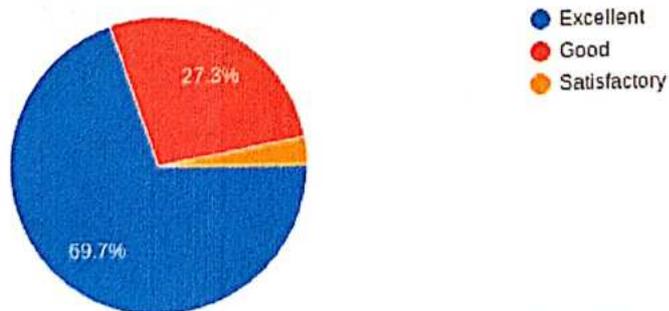
2. The visit was well organized

33 responses



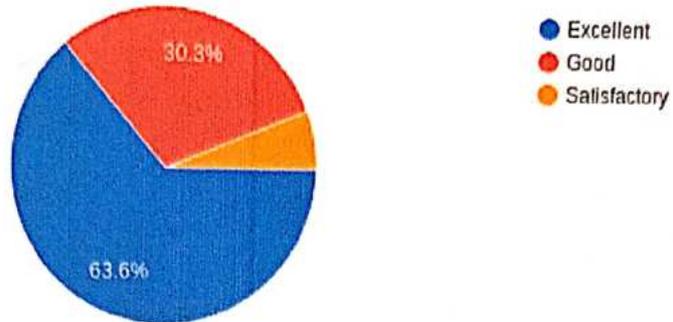
3. The location selected was appropriate to meet the stated objectives

33 responses



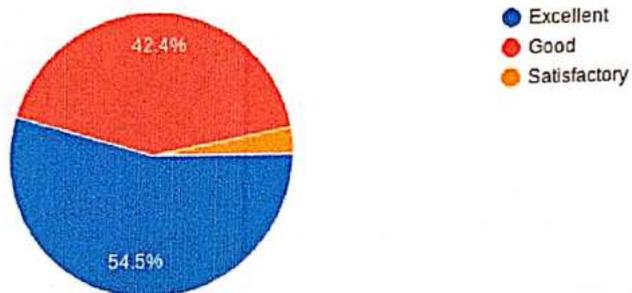
4. The visit was useful to strengthen research knowledge

33 responses



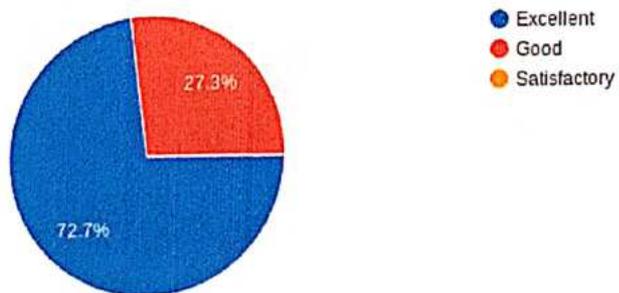
5. Aims and objectives of the visit was explained at the beginning

33 responses



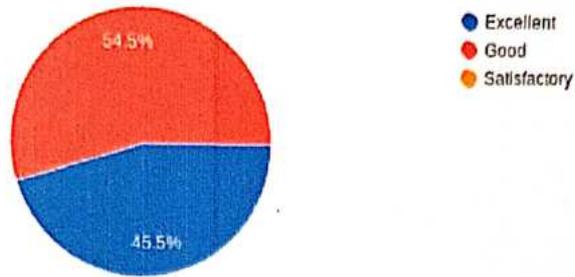
6. A teacher accompanied the students.

33 responses



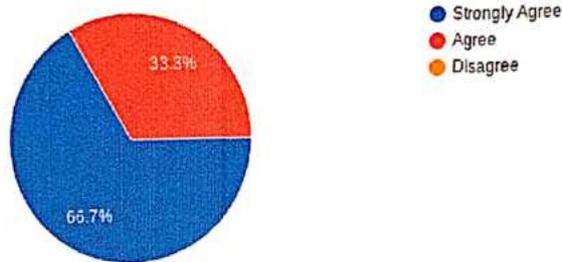
7. The Resource Person / Scientist discussed subject matter during the visit

33 responses



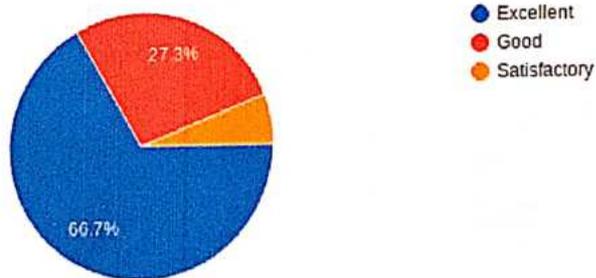
8. I recommend this field visit to be continued.

33 responses



9. The overall grading of the Industrial visit.

33 responses



Organizer: Dr. S. Anu Kiruthika

Program Coordinator : Dr. Malaiyarasa Pandian P

HOD Life Sciences: Dr. H Ananda Vardhan

Principal: Dr. N. Thilaka

HEAD

Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY STUDENTS NAME LIST FOR INDUSTRIAL VISIT

Place: iD Fresh Food India Pvt. Ltd., Bengaluru.

Date/Day: 17th November 2023 / Friday.

S.No	Course	Register Number	Students Name	Parents Contact Number
1	I Semester B.Sc	23IABSC021	Deekshashwini N	9481036038
2		23IABSC022	Malathi R	9972267620
3		23IABSC023	Pavithra K	9980908043
4		23IABSC044	Joyce Chirsty S	7760323769
5		23IABSC046	Saikeerthana N	8857882464
6		23IABSC061	Arpan Patra	9126344373
7	III Semester B.Sc	22IABSC014	Bipna Singh	9933466031
8		22IABSC015	Brinda N	9686388678
9		22IABSC016	Chandravadan R	9844146018
10		22IABSC017	Meher BI	8549072208
11		22IABSC018	Nanje Gowda HM	9972022329
12		22IABSC019	Ramya M	9962222108
13		22IABSC020	Sreelakshmi K	8590055170
14		22IABSC021	Varshitha R	9980723472
15		22IABSC031	Bidipta Deb	9862515264
16	V Semester B.Sc	21IABSC035	Akshatha R	9901045706
17		21IABSC036	Arpitha H L	9483631567
18		21IABSC037	Belicia E	9945299410
19		21IABSC038	Harmine Tasneem	6361432995
20		21IABSC039	Kumar Chandu K	9945084312
21		21IABSC040	Lekha S	8884608968
22		21IABSC041	Lokeshwari M	9740457293
23		21IABSC042	Manoj S N	9535060328
24		21IABSC043	Nandini Deb Singha	8927076953
25		21IABSC044	Nandini T	9972881120
26		21IABSC045	Sony T	8618246267
27		21IABSC046	Sreejoni Adhikari	6294499517

28	21IABSC047	Supriya P	9886284955
29	21IABSC048	Swagata Banerjee	9593308861
30	21IABSC049	Thammineni Raghu	8897944020
31	21IABSC062	Ankita Digal	9348064158
32	21IABSC063	Deepika E S	9686569828
33	21IABSC064	Deepika N	9448480953
34	21IABSC065	Farhath Banu	9341886143
35	21IABSC066	N Harish Kiran	9113546645
36	21IABSC068	Shabana Begum S	9343474241
37	21IABSC069	Sindhu J	9731879657
38	21IABSC072	Zakiya Khanum	9739550070

Organizer: Dr S. Anu Kiruthika



Program Coordinator - Microbiology
Department of Life Sciences

Program Coordinator : Dr Malaiyarasa Pandian P



Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Science: Dr H Ananda Vardhan



HEAD

Principal: Dr N. Thilaka



3/11/22

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Transport Requisition Form- For Students/Staff

1. Name/ Department/College requesting : Life Sciences - Microbiology
2. Phone Number : 8546992468
3. Purpose of the requirement : Industrial visit
4. Address of the Organisation Visiting : iD Fresh Food India Pvt. Ltd.
533 Madivala village
Bengaluru, Karnataka - 07
5. Number of Students/Persons visiting : 38 + 02
6. Details of the Faculty member accompanying the Students/Staff : Dr. S. Anu Kiruthika
7. Number of days of visit : 01
8. Sanctioned By : _____
9. Date, Time & Place of Pick up/Start : 17-11-23
8.30am PADC - A Campus
10. Date, Time & Place of Drop/Return : 17-11-23
5pm - iD Fresh food Pvt. Ltd.
11. Signature of H O D/Person Requesting: S. Anu Kiruthika 3/11/23
12. Signature of Vice Principal/Principal : [Signature] 3/11/23
13. Remarks of Manager (Ops & Maint) : _____

FOR OFFICE USE

- 14 Vehicle Registration Number : TD.
- 15 Driver's Name : Mrs. Nalini madam.
16. Kilometer reading OUT : Kindly collect the Amount
17. Kilometer reading IN : of Rs - 2500/- Towards
18. Total Kilometers done : Diesel charges for T.V.
19. Time OUT of the vehicle : [Signature] 04/11/23
20. Time IN of the vehicle : _____



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF MICROBIOLOGY

12th February 2024

To,
The Principal
Indian Academy Degree College Autonomous
Hennur Cross,
Bengaluru.

Respected Madam,

Subject: Permission for M.Sc. Microbiology Students industrial & Institutional Trip 2024-reg.

Final year PG students of M.Sc. Microbiology have to go on an educational trip as a part of their curriculum and submit an Individual report which is evaluated by an external examiner for 50 marks. Accordingly, Students are being taken to ICAR, CMFRI, NIOT, institutes at Chennai, Tamilnadu and ICMR Institute, Pondicherry Coop. Milk Producers Union Ltd. (Ponlait) Industry at Pondicherry between 27th February and 02th March 2024.

The tour organizer is M/s Amith Tours and Travels. Twenty eight students from Postgraduate Microbiology will be going for the trip. The approximate estimate is Rs. 6300 per student. (Rs.6300 X 28 Students = Rs.1,76,400/-)

I request you to permit the students for the educational trip.

Kindly release 80% payment to the tour operator and the remaining 20% after the trip is completed.

Thanking You,

Yours truly,

Programme Coordinator 

HOD 
12/2/24

for PRINCIPAL

Forwarded to Accounts section
for necessary action after JOC permission
from Hrs. Chairman

12/2/24


13/02/24

① Adv 75000
11/- 750
74250

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES -MICROBIOLOGY

21st February, 2024

CIRCULAR

This is to inform that the Department of Life Sciences-Microbiology, IADC-A is organizing an Industrial and Institutional visit for 3rd Semester M.Sc. students to CLRI, NIOT at Chennai and PIMS, PONLIT at Pudhucherry.

DATE: 27th February– 03rd March, 2024

Objectives of the visit

- To gain insights into oceanographic instrumentation, remote sensing technologies, and marine renewable energy systems, leather technology.
- To learn about ongoing projects related to coastal and offshore infrastructure development, environmental monitoring, and climate change adaptation strategies.
- To understand the modern techniques and technologies employed in dairy farming, milk processing, and product manufacturing.
- To explore opportunities for collaboration or innovation that could enhance productivity, efficiency, and sustainability in dairy operations.

Outcomes of the visit

- Instrumental in broadening my understanding of oceanography and leather technology
- Inspiring ideas for future endeavors aim at addressing pressing challenges in marine science and eco-conservation.
- Insights into the rigorous quality control measures and food safety standards implemented throughout the dairy supply chain.
- Understanding these standards is crucial for ensuring consumer trust and compliance with regulatory requirements.

Request all the HoDs and faculty to kindly provide attendance for the students participating in this visit.


Programme Coordinator- Microbiology

Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Head- Department of Life Sciences
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Principal
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

A Report On Industrial Visit

Place: The Council of Scientific & Industrial Research (CSIR) Chennai, The National Institute of Ocean Technology (NIOT) Chennai & Ponlait, Pondicherry.

Date: 28.02.2024 to 02.03.2024.

Target students: III Semester M.Sc Microbiology.

Name of the Resource Person:

CSIR - Dr. N. Iyadurai

NIOT - Dr. Ganesh Kumar

Ponlait - Ms. Amutha Valli

ICAR - Central Institute of Brackishwater Aquaculture

CSIR

The objectives

- to explore opportunities for collaboration on leather-related research projects.
- to seek assistance from CLRI in improving the quality of leather products or processes.

The outcomes

- include identifying potential research partners, discussing project ideas, and laying the groundwork for future collaboration agreements.
- Gain new insights and practical skills that can be applied in their own work.

The National Institute of Ocean Technology (NIOT)

The objectives

- To gain insights into oceanographic instrumentation, remote sensing technologies, and marine renewable energy systems.
- To learn about ongoing projects related to coastal and offshore infrastructure development, environmental monitoring, and climate change adaptation strategies.
- To explore opportunities for collaboration and knowledge exchange that can contribute to advancing ocean science, conservation efforts, and sustainable development initiatives.

The outcomes

- enhanced research capabilities and access to resources that contribute to the advancement of their own projects or initiatives.
- discussions on policy recommendations, strategies, or interventions to address key challenges and promote sustainable ocean management.



- improved capabilities and competencies that can be applied in their own research, work, or projects.

The Pondicherry Co-op. Milk Producers Union Ltd

The objectives

- To understand the modern techniques and technologies employed in dairy farming, milk processing, and product manufacturing.
- To learn about quality control measures, food safety standards, and sustainable practices within the industry.
- To explore opportunities for collaboration or innovation that could enhance productivity, efficiency, and sustainability in dairy operations.

The outcomes

- **Enhanced Understanding:** Gain a comprehensive understanding of the dairy production process, from farming practices to milk processing and product distribution. This knowledge deepened my appreciation for the complexities and challenges within the dairy industry.
- **Quality and Safety Standards:** Insights into the rigorous quality control measures and food safety standards implemented throughout the dairy supply chain.
- Understanding these standards is crucial for ensuring consumer trust and compliance with regulatory requirements.

About the event:

Department of Life Sciences - Microbiology, Indian Academy Degree College - Autonomous, Hennur Cross, Hennur Main Road, Kalyan Nagar, Bengaluru organized an Industrial visit for III Semster M.Sc Microbiology students to The Council of Scientific & Industrial Research (CSIR) Chennai, The National Institute of Ocean Technology (NIOT) Chennai & Ponlait, Pondicherry. Dr. Malaiyarasa Pandian, Professor, Microbiology Program Coordinator organized the industrial visit and accompanied by Dr. S. Anu Kiruthika, Associate Professor, Department of Life Sciences – Microbiology, Indian Academy Degree College – Autonomous, on 28.02.2024 to 02.03.2024. All the students assembled in SMVT railway station around 6 am the train departed at 6.50am and reached chennai at 12.45pm.

On 28.02.2024 we visited **The Council of Scientific & Industrial Research (CSIR) Chennai**, the Council of Scientific & Industrial Research (CSIR), known for its cutting edge R&D knowledge base in diverse S&T areas, is a contemporary R&D organization. CSIR has a dynamic network of 37 national laboratories, 39 outreach centres, 1 Innovation Complexes, and three units with a pan-India presence.

CSIR's R&D expertise and experience are embodied in about 3521 active Scientists supported by about 4162 technical and support personnel as of 31st March 2022.



CSIR covers a wide spectrum of science and technology – from oceanography, geophysics, chemicals, drugs, genomics, biotechnology and nanotechnology to mining, aeronautics, instrumentation, environmental engineering and information technology. It provides significant technological intervention in many areas concerning societal efforts, which include environment, health, drinking water, food, housing, energy, farm and non-farm sectors. Further, CSIR's role in S&T human resource development is noteworthy.

Pioneer of India's intellectual property movement, CSIR today is strengthening its patent portfolio to carve out global niches for the country in select technology domains. CSIR filed about 229 Indian patents and 202 foreign patents during 2021-22. CSIR has a patent portfolio of 1,132 unique patents in force, out of which 140 patents have been commercialized. CSIR also has 2,587 in force patents granted abroad in multiple countries. Amongst its peers in publicly funded research organizations globally, CSIR is a leader in filing and securing patents worldwide. CSIR is ranked 37th among 1587 government institutions worldwide and is the only Indian organization among the top 100 global government institutions, according to the Scimago Institutions Ranking World Report 2021. CSIR holds the 7th rank in Asia and leads the country at the first position.

Research and Innovation: CSIR is actively engaged in research and innovation activities aimed at enhancing various aspects of leather technology, including processing, finishing, and product development. Researchers at CSIR institutes conduct studies to develop new materials, processes, and technologies that improve the quality, durability, and sustainability of leather products.

Technology Development: CSIR institutes develop and commercialize cutting-edge technologies for the leather industry. These technologies cover a wide range of areas such as leather processing, tanning methods, dyeing techniques, waste management, and environmental sustainability. CSIR's focus on technology development aims to address industry challenges, improve productivity, and enhance product quality.

Collaboration with Industry: CSIR collaborates closely with the leather industry to understand its needs, challenges, and opportunities. Through partnerships with leather manufacturers, tanneries, and other stakeholders, CSIR facilitates technology transfer, knowledge exchange, and joint research projects. This collaborative approach ensures that CSIR's research outcomes are aligned with industry requirements and can be effectively implemented in real-world applications.

Skill Development and Training: CSIR institutes offer training programs and skill development initiatives to empower professionals and workers in the leather industry. These programs cover various aspects of leather technology, including leather processing techniques, quality control, environmental management, and occupational health and safety. By imparting specialized



knowledge and practical skills, CSIR contributes to building a skilled workforce that can drive innovation and competitiveness in the leather sector.

Environmental Sustainability: CSIR places a strong emphasis on promoting environmentally sustainable practices in the leather industry. Research conducted by CSIR institutes focuses on developing eco-friendly alternatives to conventional processes, reducing water and energy consumption, minimizing waste generation, and mitigating environmental pollution. By promoting sustainable technologies and practices, CSIR contributes to the industry's efforts to achieve long-term environmental sustainability and compliance with regulatory standards.

International Collaboration and Standards: CSIR actively participates in international collaborations and initiatives related to leather technology. By engaging with global research networks, standards organizations, and industry associations, CSIR contributes to the harmonization of standards, best practices, and quality assurance measures in the leather sector. This collaboration enhances the competitiveness of Indian leather products in the global market and facilitates technology transfer and knowledge sharing on a global scale.

On 29.02.2024 we visited **The National Institute of Ocean Technology (NIOT) Chennai**, The National Institute of Ocean Technology (NIOT) was established in November 1993 as an autonomous society under the Ministry of Earth Sciences, Government of India. NIOT is managed by a Governing Council and the Director is the head of the Institute. Major aim of starting NIOT under the Ministry of Earth Sciences, is to develop reliable indigenous technologies to solve the various engineering problems associated with harvesting of non-living and living resources in the Indian Exclusive Economic Zone (EEZ), which is about two-thirds of the land area of India. NIOT's primary objective is to develop reliable technologies for the sustainable utilization of ocean resources and to conduct scientific research related to various aspects of oceanography. Some of the key areas of focus for NIOT include:

Ocean Observations and Data Collection: NIOT conducts research and develops technologies for ocean observations, including the deployment of buoys, underwater gliders, and autonomous underwater vehicles (AUVs) to collect data on ocean parameters such as temperature, salinity, and currents.

Ocean Engineering: NIOT develops innovative engineering solutions for offshore structures, coastal protection, and marine renewable energy generation. This includes the design and development of platforms for offshore oil and gas exploration, as well as renewable energy technologies such as wave energy converters and ocean thermal energy conversion (OTEC) systems.

Marine Instrumentation: NIOT designs and manufactures specialized instruments and sensors for oceanographic research and monitoring. This includes instruments for measuring water quality, seabed mapping, and marine biodiversity assessment.



Coastal Zone Management: NIOT works on projects related to coastal zone management, including the development of strategies for coastal erosion control, beach nourishment, and sustainable coastal development.

Marine Biotechnology: NIOT conducts research on marine biotechnology, including the exploration of marine microbial resources for biotechnological applications such as drug discovery, biofuel production, and bioremediation of marine pollution.

Deep-Sea Mining: NIOT explores the potential for deep-sea mining of minerals and resources from the seabed, including polymetallic nodules, hydrothermal vents, and cobalt-rich crusts.

NIOT collaborates with various national and international organizations, research institutions, and industries to achieve its objectives. The institute also provides training and consultancy services in various areas of ocean science and technology. NIOT plays a crucial role in advancing India's capabilities in ocean research and technology development.

02.03.2024 we visited **The Pondicherry Co-op. Milk Producers' Union Ltd.** (hereinafter called Ponlait), Pondicherry.

The Pondicherry Co-operative Milk Producers' Union Ltd., also known as Pondicherry Milk Union or Pondicherry Dairy, is a cooperative dairy organization based in the Union Territory of Puducherry, India. It is part of the larger cooperative movement in India aimed at empowering farmers and ensuring fair prices for their produce.

Here's some key information about the Pondicherry Co-operative Milk Producers' Union:

Formation: The Pondicherry Co-operative Milk Producers' Union was established to promote the dairy industry in the region and to provide a platform for local milk producers to collectively market their products.

Operations: The union operates under the guidance of the National Dairy Development Board (NDDB) and the Indian government's cooperative department. It collects milk from local dairy farmers, processes it, and markets various dairy products under its brand name.

Products: The Pondicherry Co-operative Milk Producers' Union produces and sells a range of dairy products including fresh milk, curd (yogurt), butter, ghee (clarified butter), paneer (cottage cheese), and various flavored milk products.

Quality Standards: The union adheres to strict quality standards and maintains hygienic production practices to ensure the safety and quality of its products.

Marketing and Distribution: Pondicherry Milk Union markets its products through various channels including retail outlets, cooperative societies, and institutional buyers such as schools, hospitals, and government organizations. It also distributes its products to neighboring regions.



Community Development: In addition to its commercial activities, the Pondicherry Co-operative Milk Producers' Union also contributes to the socio-economic development of dairy farmers in the region by providing them with training, veterinary services, and access to credit facilities. Overall, the Pondicherry Co-operative Milk Producers' Union plays a significant role in the dairy industry of Puducherry by empowering local dairy farmers, ensuring fair prices for their milk, and providing consumers with high-quality dairy products. The visit also included with site scences in Mahabalipuram and Pondicherry, boarding was on 02.03.2024 at 10.30pm we all reached Bengaluru on 03.03.2024 at 8am.

Organized by: Dr. Malaiyarasa Pandian P



Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Auton
Bangalore - 560043

Accompanied by: Dr. S. Anu Kiruthika



Program Coordinator : Dr. Malaiyarasa Pandian P



HOD Life Sciences: Dr. H Ananda Vardhan



Department of Life S
Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal: Dr. N. Thilaka



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

Students Attendance Of Industrial Visit

Place: The Council of Scientific & Industrial Research (CSIR) Chennai, The National Institute of Ocean Technology (NIOT) Chennai & Ponlait, Pondicherry.

Date: 28.02.2024 to 02.03.2024.

Target students: III Semester M.Sc Microbiology.

S. No	Reg No	Students Name	Remarks	S.No	Reg No	Students Name	Remarks
1	22IAMOS126	ABHILASA B	Present	15	22IAMOS141	NEERAJ KRISHNA VR	Present
2	22IAMOS127	AISHWARYA GP	Present	16	22IAMOS142	NIHAR G	Present
3	22IAMOS128	BALDANIYA AMI	Present	17	22IAMOS143	NIKHIL I A	Present
4	22IAMOS129	BISMI BABU	Present	18	22IAMOS144	NITHIN S	Present
5	22IAMOS130	CHANDAN P	Present	19	22IAMOS145	NIYATHI.V	Present
6	22IAMOS131	DEEVEN KUMAR	Present	20	22IAMOS146	PADMASHREE A	Present
7	22IAMOS132	GOWTHAM GV	Present	21	22IAMOS147	PRUTHVIRAJ R	Present
8	22IAMOS133	GRACE PENIEL A	Present	22	22IAMOS148	R R VIJAY KUMAR	Present
9	22IAMOS134	HAJIRA FATHIMA	Present	23	22IAMOS149	RESHMA R N	Present
10	22IAMOS135	HARSHITHA NR	Present	24	22IAMOS150	RIYA BHUNIA	Present
11	22IAMOS137	KEVIN SABU	Present	25	22IAMOS151	SINCHANA S	Present
12	22IAMOS138	LIKITH KUMAR B S	Present	26	22IAMOS152	SPARSHA B D	Present
13	22IAMOS139	MARIA PREETHI	Present	27	22IAMOS153	SUDARSAN SARKAR	Present
14	22IAMOS140	M MANSOOR	Present	28	22IAMOS155	VARUN KM	Present

Organized by: Dr. Malaiyarasa Pandian P

Accompanied by: Dr. S. Anu Kiruthika

Program Coordinator : Dr Malaiyarasa Pandian P

HOD Life Sciences: Dr H Ananda Vardhan

HEAD

Principal: Dr N. Thilaka

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



INDIAN ACADEMY

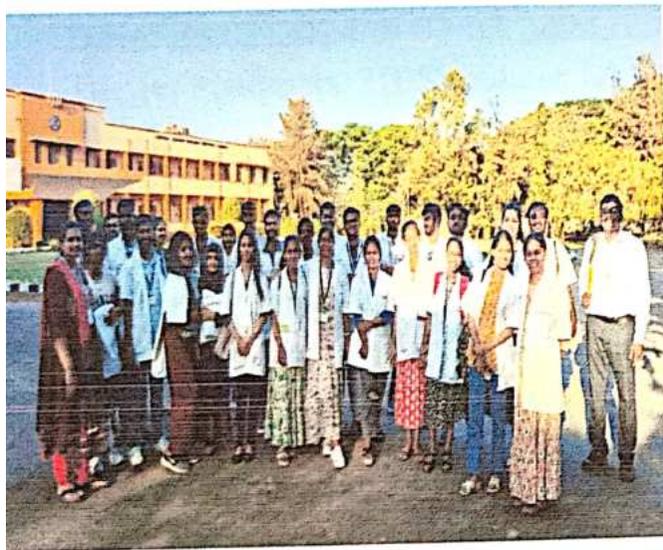
Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

INDUSTRIAL VISIT - The Council of Scientific & Industrial Research (CSIR) Chennai,

The National Institute of Ocean Technology (NIOT) Chennai & Ponlait, Pondicherry.

Date: 28.02.2024 to 02.03.2024. **Target students:** III Semester M.Sc Microbiology.



Organized by: Dr. Malaiyarasa Pandian P **Accompanied by:** Dr. S. Anu Kiruthika **HOD :** Dr. H Ananda Vardhan **Principal:** Dr. N. Thilaka

Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Department of Life Sciences **INDIAN ACADEMY DEGREE COLLEGE**
Indian Academy Degree College - Autonomous **AUTONOMOUS**
Bangalore - 560043 **HENNUR MAIN ROAD**
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

FEEDBACK

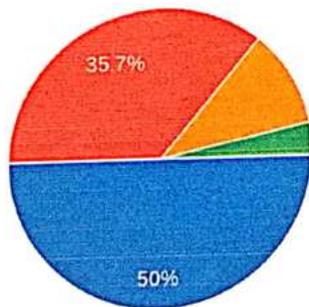
Place: The Council of Scientific & Industrial Research (CSIR) Chennai, The National Institute of Ocean Technology (NIOT) Chennai & Ponlait, Pondicherry.

Date: 28.02.2024 to 02.03.2024.

Target students: III Semester M.Sc Microbiology.

How was the overall quality of the Industrial Visit?

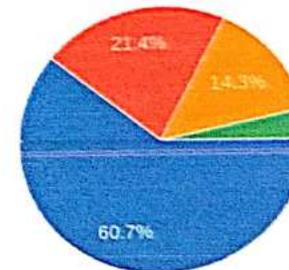
28 responses



- Excellent
- Very Good
- Good
- Satisfactory

The institutional visit was well organized.

28 responses

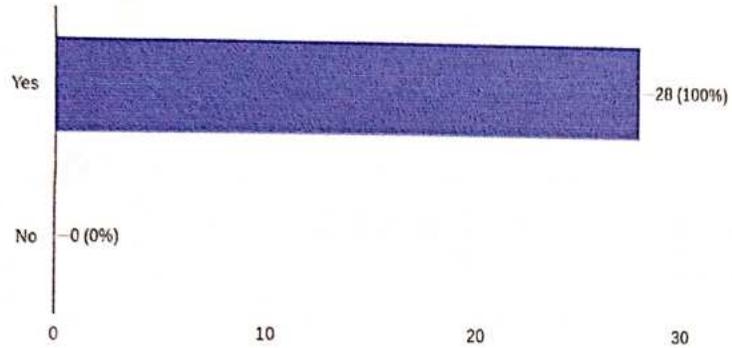


- Excellent
- Very Good
- Good
- Satisfactory



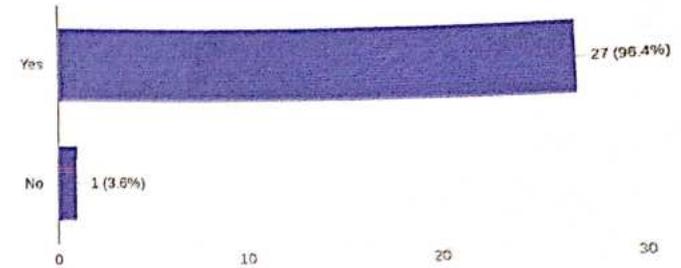
Were your queries answered satisfactorily by the expert?

28 responses



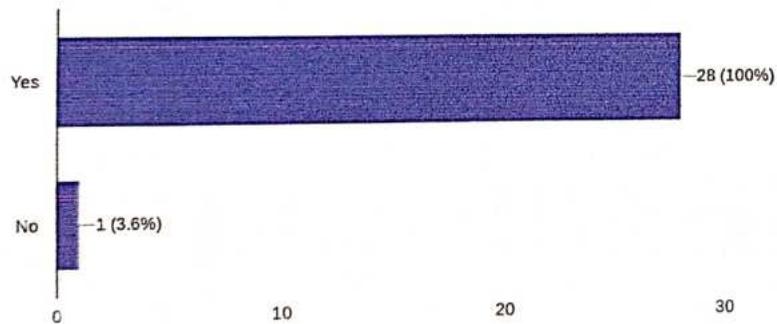
The visit was useful to strengthen your self-employment competencies?

28 responses



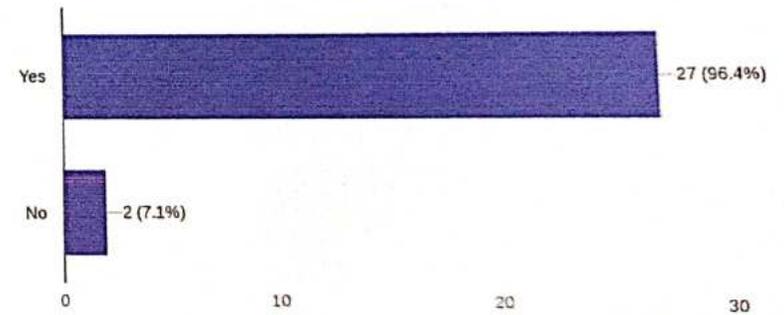
Whether all the stated objectives met during the visit?

28 responses



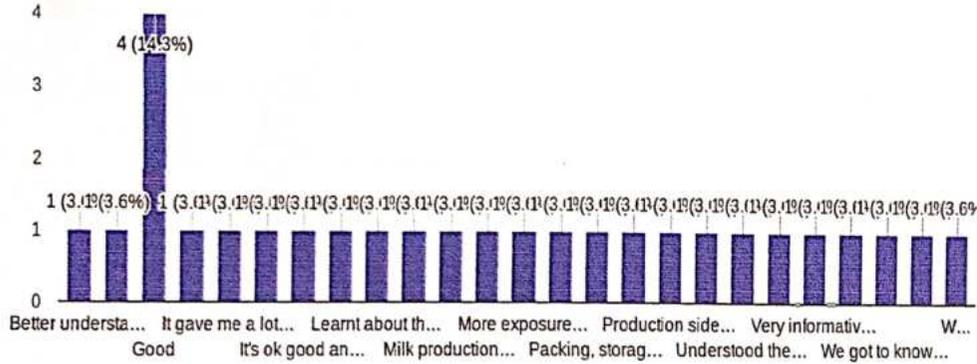
The outcome of the visit is applicable for your future needs?

28 responses



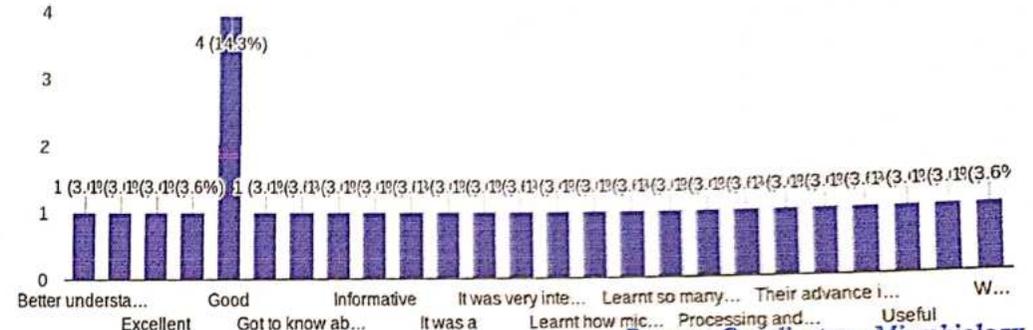
Learning outcome of the visit to Ponlait, Pondicherry

28 responses



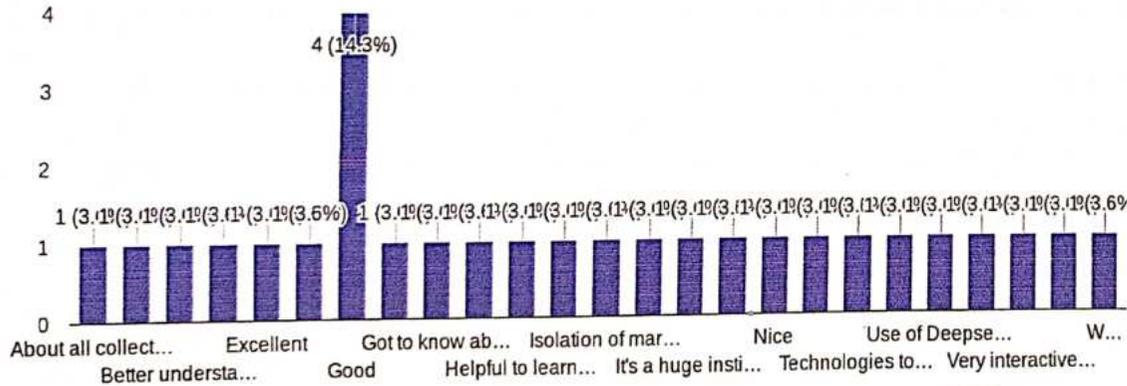
Learning outcome of the visit to The Council of Scientific & Industrial Research (CSIR) Chennai.

28 responses



Learning outcome of the visit to The National Institute of Ocean Technology (NIOT) Chennai.

28 responses



Organized by: Dr. Malaiyarasa Pandian P
 Department of Life Sciences
 Indian Academy Degree College - Autonomous
 Bangalore - 560043

Accompanied by: Dr. S. Anu Kiruthika

Program Coordinator : Dr. Malaiyarasa Pandian P

HOD Life Sciences: Dr. H Ananda Vardhan
 Department of Life Sciences
 Indian Academy Degree College - Autonomous
 Bangalore - 560043

Principal: Dr. N. Thilaka

PRINCIPAL
 INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 HENNUR MAIN ROAD
 BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

Date: 30-04-2024

To,

The Principal,
Indian Academy Degree College-Autonomous
Bangalore-43

Respected sir,

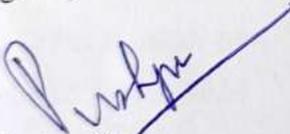
Subject: Permission to conduct an Industrial Visit from Dept. of Life Sciences.

Target Students: B.Sc VI Semester and B.Sc II sem (49 students)

The Department of Life Sciences would like to organize an Industrial Visit to The University of Trans-Disciplinary Health Sciences and Technology(TDU), Jarakabande kaval, Attur post, Yelahanka. Bengaluru-560064 on 3rd May 2024 for B.Sc VI Semester and B.Sc II sem students. This visit will expose students to medicinal plants, research and its maintenance program. I request you to kindly permit us to organize this Industrial Visit.

Thanking you mam.

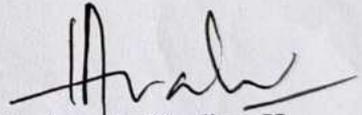
Kind Regards,



Dr. Pushpa.K.

Program Coordinator

Program Coordinator - Biochemistry
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Dr. Ananda Vardhan.H.

Professor & HOD-Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

Ref.No. LS-BC/2023-24/IV/01

Date: 30-04-2024

CIRCULAR

This is to inform that the Department of Life sciences, Indian Academy Degree College-Autonomous is organizing an Industrial Visit for B.Sc VI Semester and B.Sc II sem to The University of Trans-Disciplinary Health Sciences and Technology(TDU), Jarakabande kaval, Attur post, Yelahanka. Bengaluru-560064 on 3rd May 2024.

Objectives of Industrial visit:

1. To create awareness on conservation and traditional uses of herbs and medicinal plants maintained at TDU
2. To acquaint students with the extractions and processing of pharmaceutical compounds from plants.
3. To educate students relevant to health and wellness solutions through food & medicine

Outcomes of Industrial visit:

After this industrial visit, students may be able to

1. Get familiarize with medicinal plants conservation program
2. To get connect between medicinal value of rare plants and lifestyle disorder.

Place of visit: The University of Trans-Disciplinary Health Sciences and Technology(TDU), Jarakabande kaval, Attur post, Yelahanka. Bengaluru-560064

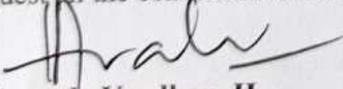
Date of visit: 3rd May 2024

Departure time: 9.00 am

Arrival time: 5.00 pm

Faculty incharge: Dr.Pushpa.K. and Mrs. Dilshad Begum

I request all the concerned teachers to make a note and support.


Dr. Ananda Vardhan. H.
Prof. & HOD-Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Dr. Thilaka.N.
Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

Report on Industrial visit to "The University of Trans-Disciplinary Health Sciences and Technology"

Date of the visit	: 3 rd May, 2024
Students	: IV B.Sc.(BcBt) and VI Semester B.Sc.(BcBt/BcG/BcZ)
No. of students	: 52
Place of industrial visit	: The University of Trans-Disciplinary Health Sciences and Technology 74/2, Post Attur via Yelahanka, Jarakabande Kaval, Bengaluru, Karnataka 560064

Objectives of the industrial visit:

1. To acquaint students with the research and development technologies in plant and biotechnology.
2. To observe the steps, methods and process of isolation of ayurvedic plant species.
3. To understand the quality control parameters used for maintaining hygiene and quality of products.

Outcomes of the industrial visit:

After the industrial visit, students may be able to

1. Get familiarized with industrial practices and regulations, and the practical working of model organisms.
2. Students were able to connect theoretical aspects to practical exposure on the preparation and quality control of medicinal plant products and handling model organisms(*Drosophila* and *C.elegans*) & culturing.

About the event:

Students of IV and VI Semester B.Sc. (BcBt/BcG/BcZ) accompanied by Dr Pushpa.K. , Programme Cordinator of Biochemistry and Prof. Dilshad Begum, Assistant Professor, Department of Biochemistry, visited The University of Trans-Disciplinary Health Sciences and Technology, a food and medicinal plants processing industry located at Jarakabande kaval, Attur post, Yelahanka. Bengaluru-560064 on 3rd May 2024. The University of Trans-

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.

INDIAN ACADEMY

Degree College - Autonomous

Department of Biochemistry

Gallery - Industrial visit to The University of Trans-Disciplinary Health Sciences and Technology

Date: 3rd May, 2024



Aradhya
Hennur

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Bengaluru, Karnataka, India

74/2, Jarakbande Kaval, Post Attur, Via Yelahanka, Bengaluru, Ramagondanahalli,
Karnataka 560064, India

Lat 13.123351°

Long 77.548359°

03/05/24 12:33 PM GMT +05:30

GPS Map Camera



Bengaluru, Karnataka, India

10, opposite JB Kaval Tree Park, Jarakabande Kaval, Yelahanka, Bengaluru,
Ramagondanahalli, Karnataka 560064, India

Lat 13.122984°

Long 77.550691°

03/05/24 11:27 AM GMT +05:30

GPS Map Camera

Anah

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Anish

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

BIOINFORMATICS LAB



Bengaluru, Karnataka, India
10, opposite JB Kaval Tree Park, Jarakabande Kaval, Yelahanka, Bengaluru, Ramagondanahalli,
Karnataka 560064, India
Lat 13.123102°
Long 77.550762°
03/05/24 11:57 AM GMT +05:30

EDIBLE PLANTS FIELD



Bengaluru, Karnataka, India
10, opposite JB Kaval Tree Park, Jarakabande Kaval, Yelahanka, Bengaluru,
Ramagondanahalli, Karnataka 560064, India
Lat 13.122982°
Long 77.550677°
03/05/24 12:14 PM GMT +05:30

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Teacher Coordinators:

Dr. Pushpa.K.

Prof. Dilshad Begum

Anah
Head of Department

(Life Sciences)

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal

Anish

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

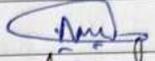
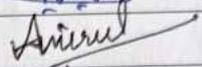
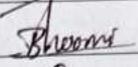
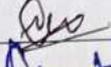
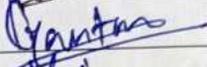
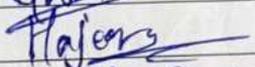
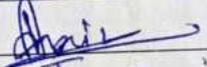
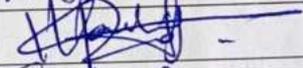
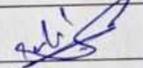
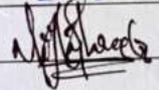
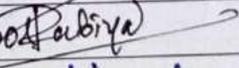
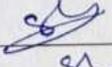
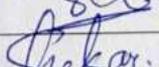
Degree College - Autonomous

DEPARTMENT OF LIFESCIENCES

Industrial visit to TDU, Attur post, Yelahanka, Bengaluru-560064 on 3rd May 2024

VI Semester B.Sc (BeG/BeBt/BeZ)

Student attendance

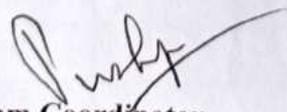
Sl No	Reg. No	Student Name	Course	Signature
1	21IABSC001	Akash A	Bc,Bt	
2	21IABSC002	Amirul Mabiya	Bc,Bt	
3	21IABSC003	Bhoomi M	Bc,Bt	
4	21IABSC004	Dasari S Ajitha Roy	Bc,Bt	
5	21IABSC005	Gautam Singh Bisht	Bc,Bt	
6	21IABSC006	Hajeera Sultana B	Bc,Bt	
7	21IABSC007	Harshavardhana Pandu D S	Bc,Bt	Harshavardhan Pandu D S
8	21IABSC008	Harshitha S	Bc,Bt	Harshitha S
9	21IABSC009	Hema Chandrika A	Bc,Bt	A. Remachandrika
10	21IABSC010	Hemavathi G N	Bc,Bt	Hemavathi G. N
11	21IABSC011	Jaison William	Bc,Bt	
12	21IABSC012	K Janani	Bc,Bt	K. Janani
13	21IABSC013	Kashif Pasha F	Bc,Bt	
14	21IABSC014	Komal Kumari U	Bc,Bt	Komal Kumari
15	21IABSC015	Mohammed Sahil Khan	Bc,Bt	
16	21IABSC016	Nithin S	Bc,Bt	Nithin S
17	21IABSC017	Nithya Shree G	Bc,Bt	
18	21IABSC018	Noor Khateerja	Bc,Bt	
19	21IABSC019	Noor Rabiya	Bc,Bt	Noor Rabiya
20	21IABSC020	Preyoshi Ghosh	Bc,Bt	Preyoshi Ghosh
21	21IABSC021	Raabiya Begum	Bc,Bt	Raabiya
22	21IABSC022	Sahana V	Bc,Bt	
23	21IABSC023	Shashikala V	Bc,Bt	
24	21IABSC024	Shekar K V	Bc,Bt	Shekar. K. V
25	21IABSC025	Subhashree C	Bc,Bt	Subhashree. C

26	21IABSC026	Varsha P N	Bc,Bt	Varsha.P.N
27	21IABSC027	Varshini Kallimath	Bc,Bt	Varshini.K
28	21IABSC028	Vishwas M	Bc,Bt	Vishwas.M
29	21IABSC030	Zehra Bathul J	Bc,Bt	Zehra Bathul
30	21IABSC050	D Vishwadhar	Bc, G	Vishwas
31	21IABSC051	Gogula Mrudula	Bc, G	Mrudula
32	21IABSC052	Huyitha Rani N J	Bc, G	Huyitha
33	21IABSC053	Jayadithya B V	Bc, G	Jayadithya
34	21IABSC054	K K Akash	Bc, G	K.K.Akash
35	21IABSC055	Madhavi K N	Bc, G	K.N.Madhavi
36	21IABSC056	Madhu Sushanth D	Bc, G	Madhu
37	21IABSC057	Merlyn Johanna R	Bc, G	Merlyn
38	21IABSC058	Nandini Singh	Bc, G	Nandini
39	21IABSC059	Rajani P	Bc, G	Rajani
40	21IABSC060	Sree Nitya Koppisetty	Bc, G	Nitya
41	21IABSC061	Umme Javeria	Bc, G	Umme
42	21IABSC075	K Yadavendran	Bc, Z	K.Yadavendran
43	21IABSC077	Sai Kumar	Bc, Z	Sai Kumar

II Semester B.Sc (BcMb)

Sl No	Reg. No	Student Name	Course	Signature
1	23IABSC001	Arpan Patra	Bc,Mb	Arpan
2	23IABSC002	Deekshaswini N	Bc,Mb	Deekshaswini
3	23IABSC003	Joyce Christy S	Bc,Mb	Joyce
4	23IABSC004	Malathi S	Bc,Mb	Malathi
5	23IABSC005	Nichenametla Sai Keerthana	Bc,Mb	N.Saikeerthana
6	23IABSC006	Pavithra K	Bc,Mb	Pavithra K


Faculty


Program Coordinator
Program Coordinator - Biochemistry
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Head of Department

Educational visit

Naresh NK <nareshnk@tdu.edu.in>
To: Pushpa Reddy Biochemistry - IADCA <pushpa.lifesciences@iadc.ac.in>
Cc: Rosser Binny <rosser@tdu.edu.in>

Mon, Apr 29, 2024 at 10:09 AM

Dear Madam,

Your visit is confirmed on 3rd May 2024 at 10 am to visit TDU & Herbal Garden. Kindly note per batch only 50 students are permitted.

Mr. Binny will coordinate the visit. You can contact him on his cell no +91 86183 82668.

Thanks & Regards

Naresh N.K

Administrative Officer

The University of Trans-Disciplinary Health Sciences and Technology

Ph. +91-9980213805 /Extn: 103

Please consider the environment before printing this e-mail !

[Quoted text hidden]

From,

26.06.2024

Dr. K. Sahithya

Department of Life Sciences - Microbiology
Indian Academy Degree College-Autonomous
Bengaluru-560043

To,

The Principal

Indian Academy Degree College-Autonomous
Bengaluru-560043

(Through proper channel)

R.S.
26/06/24

Respected Madam,

Sub: Requisition to visit to Mushroom Cultivation and Biofertilizers units, GKVK-reg.

With respect to the above subject, I would like to bring to your kind notice that as a part of the curriculum we like to take our IV & II Semester M.Sc., Microbiology students for an institutional visit to Mushroom cultivation and Biofertilizers units, GKVK, Bengaluru on 1st July, 2024. Kindly grant the permission for the same.

Thank you,

Yours Sincerely

[Signature]
Dr. K. Sahithya

*Accepted and forwarded
to Respected Principal madam
for final approval*

Enclosed:

- Approval letter received from GKVK
- List of students

[Signature]
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

[Signature] HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043
26/6/24



INDIAN ACADEMY

Degree College - Autonomous

IADCA/LS/23-24/IV/11

Date: 25.06.2024

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

Circular

This is to inform all the IV & II Semester M.Sc., Microbiology students that the Department is organising Institutional visit to Mushroom cultivation & Biofertilizers Units, College of Agriculture, GKVK on 1st July, 2024.

Objectives of the Visit:

1. To enhance the students' knowledge on essential steps in Mushroom cultivation and biofertilizers production
2. To understand the post-harvest management of mushrooms
3. To develop the technical skill associated with the maintenance and application of biofertilizers
4. To ignite the entrepreneurial skills of the post graduates by providing experiential learning in Mushroom cultivation by the experts

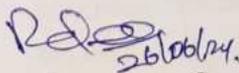
Outcomes of the Visit: At the end of the visit, students will be able to

- Understand the techniques involved in the spawn production, substrate preparation and optimization of parameters
- Gain the knowledge on post-harvest and mushroom preservation techniques
- Understand the importance of organic farming.
- Internalize self-employment competencies

Location: Department of Agricultural Microbiology, College of Agriculture, UAS, Gandhi Krishi Vignan Kendra, Bellary Road, Bangalore - 560 065

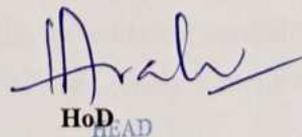
Time of the departure: 8.15 A.M

Time of arrival: 3.30 P.M


26/06/24.

Programme Coordinator

Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



HoD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

INSTITUTIONAL VISIT TO MUSHROOM CULTIVATION AND

BIOFERTILIZERS UNITS, GANDHI KRISHI VIGNAN KENDRA

Place: Department of Microbiology, Gandhi Krishi Vignan Kendra, Bengaluru

Date: 01.07.2024

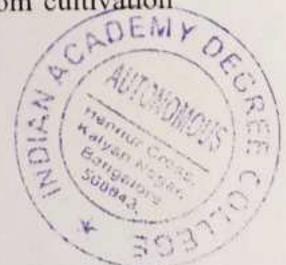
Time: 9.30 A.M. to 2.30 P.M.

Aim of the event: To improve their knowledge on various aspects of mushrooms cultivation and biofertilizers production

Objectives of the visit:

1. To enhance the students' knowledge on essential steps in Mushroom cultivation and biofertilizers production
2. To understand the post-harvest management of mushrooms
3. To develop the technical skill associated with the maintenance and application of biofertilizers
4. To ignite the entrepreneurial skills of the post graduates by providing experiential learning in Mushroom cultivation by the experts

Department of Lifesciences - Microbiology organised institutional visit to Mushroom cultivation unit, Gandhi Krishi Vignan Kendra, Bengaluru on 1st July, 2024. The visit began with the screening of a short video providing a deep insight into the journey of the mushroom and biofertilizers laboratories and their establishment into a successful training centre. The presentation provided knowledge about diversity of edible mushrooms, their nutritional value, types of biofertilizers and mode of application. Followed this, Prof. N. Uma Shankar discussed the current demand for mushrooms in the market and encouraged the students to utilize the opportunities provided by the government of India as an entrepreneur. He also addressed the criteria and factors for establishing a mushroom industry. Students were taken through the production facility including the sterilization area, spawn inoculation and incubation rooms. Preparation of substrate (paddy straw) for the mushroom cultivation



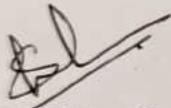
INDIAN ACADEMY

was demonstrated by technician to the students followed by hands-on experience. The technical team explained various steps involved in the preparation of incubation areas for mushroom cultivation. The students very actively walked through the mushroom unit with the technician who explained the whole process of production, post harvesting techniques including refrigeration, free drying, dehydration, canning and packaging of mushroom fruiting bodies. Ms. Myna, technician from biofertilizers laboratory thoroughly explained the national standards associated with biofertilizers production followed by mode of application.

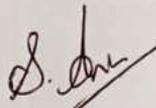
Outcomes of the Visit:

At the end of the visit, all 28 students

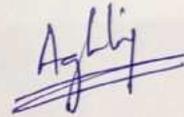
- understood the techniques involved in the spawn production, substrate preparation and optimization of parameters
- understood the various types of biofertilizers and steps involved in the production
- gained the knowledge on post-harvest and mushroom preservation techniques
- understood and internalized self-employment competencies



Dr. K. Sahithya K
Faculties In-Charge



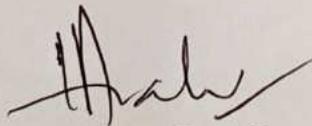
Dr. S. Anu Kiruthika
Faculties In-Charge



Ms. Agna PK
Faculties In-Charge



Dr. P Malaiyarasa P.
Programme Coordinator



Dr. Anadhavardhan H

HoD

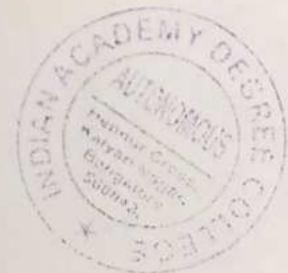
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Dr. N Thilaka

Principal

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous



Demonstration of substrate preparation



IV & II Semester M.Sc., Microbiology students at Mushroom laboratory, GKVK, Bengaluru



INDIAN ACADEMY

Degree College - Autonomous



Ms. Myna explaining the steps involved in the biofertilizers production to the students



IV & II Semester M.Sc., Microbiology students at Biofertilizers production unit, GKVK, Bengaluru



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF MICROBIOLOGY

LIST OF STUDENTS

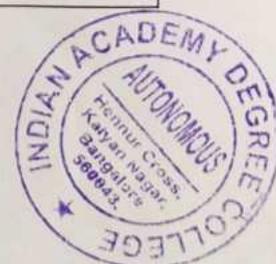
Class: IV & II sem M.Sc., Microbiology

Sl. No	Student Name	Sl. No	Student Name
1	Ashwini	23	R R Vijay Kumar
2	Abhilasa Bhattacharya	24	Reshma
3	Aishwarya G Pathak	25	Riya Bhunia
4	Baldaniya Ami Narshibhai	26	Sinchana S
5	Bismi Babu	27	Sparsha B D
6	Chandan P	28	Sudarsan Sarkar
7	Deeven Kumar Bn	29	Varun Km
8	Gowtham GV	30	Farheen Banu
9	Grace Peniel A Raju	31	Khan Waqui Ausaf Mir Khan
10	Hajira Fathima	32	Joshua Eathen Karane
11	Harshitha NR	33	Monika S
12	Kevin Sabu	34	Prarthana J Gowda
13	Likith Kumar B S	35	Kavya P
14	Maria Preethi	36	Syeda Asma Taj
15	Mohammad Mansoor Zarian	37	Rahul C
16	Neeraj Krishna V R	38	Thanushree Gowda T K
17	Nihar G	39	Nancy Naymoi A
18	Nikhil I A	40	Sindhuja C S
19	Nithin S	41	Nikhil Shyandilya B
20	Niyathi.V	42	K Vanitha
21	Padmashree A	43	Samia Chatterjee
22	Pruthviraj R	44	Syed Faizan

[Handwritten signature]
26/6/24

[Handwritten signature]
26/6/24

Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

LIST OF STUDENTS PARTICIPATED IN INSTITUTIONAL VISIT

Class: IV & II Semester M.Sc., Microbiology

Date: 01.07.2024

ATTENDANCE SHEET

Sl. No	Student Name	Sl. No	Student Name
1	Ashwini	21	Pruthviraj R
2	Abhilasa Bhattacharya	22	Riya Bhunia
3	Aishwarya G Pathak	23	Sinchana S
4	Baldaniya Ami Narshibhai	24	Sparsha B D
5	Bismi Babu	25	Sudarsan Sarkar
6	Chandan P	26	Varun Km
7	Deeven Kumar Bn	27	Farheen Banu
8	Gowtham GV	28	Khan Waqui Ausaf Mir Khan
9	Grace Peniel A Raju	29	Joshua Eathen Karane
10	Hajira Fathima	30	Monika S
11	Harshitha NR	31	Prarthana J Gowda
12	Kevin Sabu	32	Kavya P
13	Likith Kumar B S	33	Syeda Asma Taj
14	Maria Preethi	34	Rahul C
15	Nihar G	35	Thanushree Gowda T K
16	Nikhil I A	36	Nancy Naymoi A
17	Nithin S	37	Nikhil Shyandilya B
18	Padmashree A	38	K Vanitha
19	R R Vijay Kumar	39	Samia Chatterjee
20	Reshma		



INDIAN ACADEMY

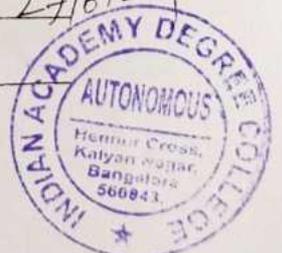
Degree College - Autonomous

Transport Requisition Form- For Students/Staff

1. Name/ Department/College requesting : Dept. of Life Science - Microbiology
2. Phone Number : 8317457386
3. Purpose of the requirement : Institutional visit
4. Address of the Organisation Visiting : College of Agriculture, UAS,
GKVK, Bengaluru - 560065
5. Number of Students/Persons visiting : 44 students
6. Details of the Faculty member accompanying the Students/Staff : Dr. K. Sahithya, Dr. S. Anukritika, Ms. Agne
7. Number of days of visit : 01
8. Sanctioned By : [Signature] Ashly
9. Date, Time & Place of Pick up/Start : DADCA ; 8:30
10. Date, Time & Place of Drop/Return : DADCA ; 3:30
11. Signature of H O D/Person Requesting: [Signature] Anah
12. Signature of Vice Principal/Principal : [Signature]
13. Remarks of Manager (Ops & Maint) :

FOR OFFICE USE

14. Vehicle Registration Number : _____
15. Driver's Name : 10. Mrs. Nalini madam,
16. Kilometer reading OUT : Kindly collect the Amount
17. Kilometer reading IN : of Rs:- 900/ Towards Diesel
18. Total Kilometers done : charges for L.V.
19. Time OUT of the vehicle : [Signature]
20. Time IN of the vehicle : 27/6/24



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

FEED BACK ON INSTITUTIONAL VISIT TO MUSHROOM CULTIVATION AND BIOFERTILIZERS UNITS, GANDHI KRISHI

VIGNAN KENDRA

Timestamp	Full name of the student	The institutional visit was well organised	Has the visit brought any change in your understanding about Mushroom cultivation?	Has the visit brought any change in your understanding about biofertilizers production?	Learning outcome of the visit	Whether all the stated objectives met during the visit?	The outcome of the visit is applicable for your future needs?	Were your queries answered satisfactorily by the expert?	The visit was useful to strengthen your self-employment competencies?	How was the overall quality of the IV?	Any suggestions or comments for improvement?
2024/07/03 7:12:47 PM GMT+5:30	Abhijasa Bhattacharya	4	Yes	Yes	Got an opportunity to gather knowledge regarding mushroom cultivation and types of biofertilizers	Yes	Yes	Yes	Yes	5	No
2024/07/03 7:17:25 PM GMT+5:30	Chandan P	5	Yes	No	Good	No	Yes	Yes	No	4	Instead of theory more practical knowledge required
2024/07/03 7:19:57 PM GMT+5:30	Waqi khan	4	Yes	Yes	Production methods of mushrooms and biofertilizers	Yes	Yes	Yes	Yes	4	It was a well organised institutional visit
2024/07/03 7:21:52 PM GMT+5:30	Kavya.P	5	Yes	Yes		Yes	Yes	Yes	Yes	4	Looking forward for hands on workshop like this
2024/07/03 7:22:08 PM GMT+5:30	Joshua Eathen Karane	4	Yes	Yes	Obtained insight into the use of microbes in current agricultural practices.	Yes	Yes	Yes	No	3	Nil



2024/07/03 7:24:31 PM GMT+5:30	Syeda asma inj	4	Yes	Yes	Mushroom cultivation bio fertilizer bacteria used types of biofertilizer	Yes	No	Yes	Yes	Yes	Yes	5	Hands on training for mushroom cultivation
2024/07/03 7:27:45 PM GMT+5:30	Sparsha BD	4	Yes	Yes	Learned how the cultivation can be done	Yes	Yes	Yes	Yes	No	Yes	5	No
2024/07/03 7:30:14 PM GMT+5:30	ANI BALDANIYA	5	Yes	Yes	Thoroughly understood the cultivation of mushroom	Yes	Yes	Yes	Yes	Yes	Yes	4	No suggestions Yes it give a lot improvement on my studies Would like to suggest for internships and some hands on workshops
2024/07/03 7:30:15 PM GMT+5:30	Riya thunia	5	Yes	Yes	I learned about new technology	Yes	Yes	Yes	Yes	Yes	Yes	4	No suggestions Yes it give a lot improvement on my studies Would like to suggest for internships and some hands on workshops
2024/07/03 7:31:25 PM GMT+5:30	Nancy Neymol, A	5	Yes	Yes	Gained knowledge about mushroom and biofertilizer	Yes	Yes	Yes	Yes	Yes	Yes	4	Need more IVs
2024/07/03 7:31:52 PM GMT+5:30	Monika, S	4	Yes	Yes	The visit was thoughtful and gained more knowledge	Yes	Yes	Yes	Yes	Yes	Yes	3	It can be hands on training rather than visiting.
2024/07/03 7:47:27 PM GMT+5:30	Harshitha NR	4	Yes	Yes	Knowledgeable about the cultivation of mushroom and biofertilizers.	Yes	Yes	Yes	Yes	Yes	Yes	3	Good
2024/07/03 7:53:55 PM GMT+5:30	Varun km	5	Yes	Yes	I had learned how to cultivate mushrooms	Yes	Yes	Yes	Yes	Yes	Yes	5	None
2024/07/03 8:04:06 PM GMT+5:30	Marie Proechi	5	Yes	Yes	Gained knowledge about various fertilizers.	Yes	Yes	Yes	Yes	Yes	Yes	4	N/A
2024/07/03 8:21:44 PM GMT+5:30	HAJIRA FATHIMA	4	No	No	N/A	Yes	No	No	No	No	Yes	4	No suggestion , it was good but experience
2024/07/03 9:07:38 PM GMT+5:30	Thannushree Gowda TK	4	Yes	Yes	Learn about the different methods of mushroom cultivation and about the substrate and it's importance.	Yes	Yes	Yes	Yes	Yes	Yes	5	No suggestion , it was good but experience



2024/07/03 9:52:31 PM GMT+5:30	Farheen Banu	4	Yes	Yes	Yes	We got to know more in detail about biofertilizer production in industries	Yes	Yes	Yes	Yes	Yes	Yes	2	it would be great if we had hands on experience on mushroom cultivation
2024/07/03 11:51:53 PM GMT+5:30	Bismi babu	5	Yes	Yes	Yes	We got to know about the application of useful microbes in agriculture	Yes	Yes	Yes	Yes	Yes	Yes	5	No
2024/07/04 9:22:06 AM GMT+5:30	Deeven Kumar BN	4	Yes	Yes	Nice		Yes	Yes	Yes	Yes	Yes	Yes	4	No
2024/07/04 10:10:38 AM GMT+5:30	Padmashree A	5	Yes	Yes	Got to know about the detail information about the production of biofertilizer and mushrooms	Yes	Yes	Yes	Yes	Yes	Yes	Yes	5	Nothing
2024/07/04 10:11:52 AM GMT+5:30	Gowtham GV	3	Yes	Yes	Information about mushroom production and bio fertiliser production	Yes	Yes	Yes	Yes	Yes	Yes	Yes	4	Nothing
2024/07/04 10:12:10 AM GMT+5:30	Reshma RN	4	Yes	Yes	I came to know about the detailed information about mushroom cultivation and biofertilizer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	3	No
2024/07/04 10:12:59 AM GMT+5:30	Nithin S	4	Yes	Yes	You'll learn about species selection, substrate preparation, and the benefits of biofertilizers over chemical ones. The visit includes insights into the latest research, networking opportunities with experts, and an understanding	Yes	Yes	Yes	Yes	Yes	Yes	Yes	4	Nothing

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

Date: 08-07-2024

To,
The Principal,
Indian Academy Degree College-Autonomous
Bangalore-43.

Respected Madam,
Greetings!!!

Subject: Permission to conduct an Industrial Visit from Dept. of Life Sciences.
Target Students: M.Sc. II and IV Semester Biochemistry (26 students)

The Department of Life Sciences would like to organize an Industrial Visit to The University of Trans-Disciplinary Health Sciences and Technology (TDU), Jarakabande kaval, Attur post, Yelahanka, Bengaluru-560064 on 12th July 2024 for M.Sc. II and IV Semester Biochemistry students. This visit will expose students to medicinal plants, research and its maintenance program. I request you to kindly permit us to organize this Industrial Visit.

Thanking you madam.

Kind Regards,

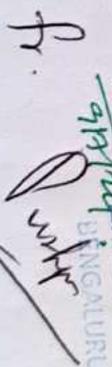

Dr. Pushpa.K.
Program Coordinator

Biochemistry
Program Coordinator - Biochemistry
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Dr. AnandaVardhan.H.
Professor & HOD-Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

** Approved. Please submit the list of students with their Understudies to the Principal's office*


PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
DUNDENNUR MAIN ROAD
BANGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

Ref.No. LS-BC/2023-24/IV/02

Date: 08-07-2024

CIRCULAR

This is to inform you that the Department of Life Sciences, Indian Academy Degree College- Autonomous is organizing an Industrial Visit for M.Sc. II and IV Semester Biochemistry students to The University of Trans-Disciplinary Health Sciences and Technology (TDU), Jarakabande kaval, Attur post, Yelahanka, Bengaluru-560064 on 12th July 2024.

Objectives of Industrial visit:

1. To create awareness on conservation and traditional uses of herbs and medicinal plants maintained at TDU
2. To acquaint students with the extractions and processing of pharmaceutical compounds from plants.
3. To educate students relevant to health and wellness solutions through food & medicine.

Outcomes of Industrial visit:

After this industrial visit, students may be able to

1. Get familiar with the medicinal plants conservation program
2. To get familiarized with the connection between the medicinal value of rare plants and lifestyle disorders.

Place of visit: The University of Trans-Disciplinary Health Sciences and Technology (TDU), Jarakabande kaval, Attur post, Yelahanka, Bengaluru-560064.

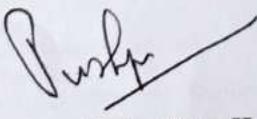
Date of visit: 12th July 2024

Departure time: 9.00 am

Arrival time: 5.00 pm

Faculty in-charge of the visit: Dr. Erumalla Venkata Nagaraju and Prof. Kashma NB

I request all the concerned teachers to make a note and support.

fr. 

Dr. Ananda Vardhan. H.
Prof. & HOD-Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bengaluru - 560043



Dr. Thilaka. N.
Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 560043



Subject: Request for Approval of Educational Visit for Indian Academy Degree College (Autonomous) M.Sc. Students

Erumalla Venkata Nagaraju <venkaterumalla.lifesciences@iadc.ac.in>

Wed, Jul 3, 2024 at 1:23 PM

To: nareshnk@tdu.edu.in

Bcc: Erumalla Venkata Nagaraju <venkaterumalla.lifesciences@iadc.ac.in>

Dear Sir,
Greetings!!!

I hope you are doing well.

At the outset, let me introduce myself, I am Dr. Erumalla Venkata Nagaraju, Associate Professor from the Department of Life Sciences, Indian Academy Degree College (Autonomous), Bangalore.

I am writing to seek your kind approval for an educational visit for our students to TDU University on 12th July 2024.

As part of our academic curriculum, we emphasize practical exposure and real world experiences to complement the theoretical knowledge our students gain in the classroom. An educational visit to TDU University would provide our students with valuable insights into multidisciplinary research and help them understand the intricacies of the latest technologies and best practices.

The visit is planned for a group of 26 M.Sc. Biochemistry students from the Department of Life Sciences, accompanied by two faculty members. The objectives of the visit include:

1. Observing and understanding the latest technologies adopted in multidisciplinary research at TDU University.
2. Interacting with principal investigators to gain insights into current trends in multidisciplinary research and career opportunities.
3. Enhancing their knowledge and skills through real-life exposure to best research practices.

We would be grateful if you could accommodate our request and allow us to visit your esteemed organization. We are flexible in timings and would be happy to coordinate with your team to ensure that the visit is convenient for you.

Please let us know if there are any specific protocols or requirements we need to adhere to during the visit. We assure you that our students will abide by all safety regulations and conduct themselves professionally during the visit.

Thank you for considering our request. We look forward to your positive response and the opportunity to provide our students with this enriching experience.

Have a good day.

Thank you.

Best Wishes,

Dr. Erumalla Venkata Nagaraju
Associate Professor
Department of Life Sciences <Biochemistry>
Indian Academy Degree College (Autonomous)
Hennur Cross, Bangalore-560043, Karnataka, India.
Mobile: +91-8147738496
Web: www.iadc.ac.in
Google Index: <https://scholar.google.co.in/citations?user=roFm3-cAAAAJ&hl=en>

**Subject: Request for Approval of Educational Visit for Indian Academy Degree College
(Autonomous) M.Sc. Students**

Fri, Jul 5, 2024 at 9:49 AM

Naresh NK <nareshnk@tdu.edu.in>
To: Erumalla Venkata Nagaraju <venkaterumalla.lifesciences@iadc.ac.in>
Cc: Rosser Binny <rosser@tdu.edu.in>

Dear Sir,

Your visit is confirmed to TDU on 12th July 2024 at 10:30 am . Kindly coordinate with Mr. Binny .

Thanks & Regards

Naresh N.K

Administrative Officer

The University of Trans-Disciplinary Health Sciences and Technology

Ph. +91-9980213805 /Extn: 103

Please consider the environment before printing this e-mail !

[Quoted text hidden]

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences - Biochemistry

Report on Industrial visit to "The University of Trans-Disciplinary Health Sciences and Technology"

Date of the visit	: 12 th July 2024
Students	: I and II-year M.Sc. (Biochemistry)
No. of students	: 26
Place of industrial visit	: The University of Trans-Disciplinary Health Sciences and Technology 74/2, Post Attur via Yelahanka, Jarakabande Kaval, Bengaluru, Karnataka 560064

Objectives of the industrial visit:

1. To acquaint students with the research and development technologies in plant and biotechnology.
2. To observe the steps, methods and process of isolation of Ayurveda plant species.
3. To understand the quality control parameters used for maintaining hygiene and quality of products.

Outcomes of the industrial visit:

After the industrial visit, students may be able to

1. Get familiarized with industrial practices and regulations, and the practical working of model organisms.
2. Students were able to connect the theoretical aspects to practical exposure on the preparation and quality control of medicinal plant products and handling model organisms (*Drosophila* and *C. elegans*) & culturing.

About the event:

Students of I and II Semester M Sc. (Biochemistry) accompanied by Dr Erumalla Venkata Nagaraj and Prof. Kashma N B, Assistant Professor, Department of Biochemistry, visited The University of Trans-Disciplinary Health Sciences and Technology, a food and medicinal plants processing industry located at Jarkabande kaval, Attur post, Yelahanka. Bengaluru-560064 on 12th July 2024. The University of Trans-Disciplinary Health Sciences and

Technology offers PG & Ph.D. programmes Environmental Sciences, Ayurveda Plants, Medicinal Biotechnology. This university mainly focuses on trans disciplinary courses which helps the student learn the subject in depth & have industrial experience. The learning takes place in a different way in 60:40 ratios, 60% is the industrial hands-on & 40% is the theory. the university has different blocks where different projects are ongoing.

The students were taken on a guided tour of the University by Mr. Binnie of TDU. They were taken to the Patanjali block and fruit forest, where the plant species from all over India is preserved in a thin paper & is kept in the plant museum called Herbarium. Different species like *Moringa* from Tamil Nadu, *Lilliaceae* from Kerala, several species were preserved for further use. Students were allowed to go through the museum and critically analyse the plant species.

The university also has a separate Bioinformatics lab where the data of varieties of plant are stored, which makes the interested student to work on the desired plant conveniently by extracting the required details from the database.

In addition, to the plant research, there are ongoing projects on neurological diseases. *C. elegans* is grown on a nematode medium containing *E. coli* bacteria, which is the source of nutrient for the *C. elegans*. This model organism is chosen as it can be genetically modified and the genetic makeup is 90% as that of humans and also about *Drosophila*. We were able to see the cultivation of them in the laboratory over there.

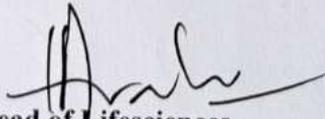
This university is diverse in research area & have their own clinic where the students of Biochemistry can undertake project works.

The students were free to ask questions about the research & data which was going on in the university and were made clear about important principles. This industrial visit have not only exposed students to the research but also created interest for the start-up. Since, Medical Biotechnology & Ayurvedic Sciences will never lose its scope and provide career opportunity in terms of management and treatment of several old as well as new diseases. This visit has provided an excellent opportunity to students to explore, think creatively as well as industrial jobs.

Coordinators

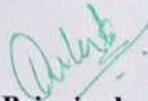
Dr. Erumalla Venkata Nagaraju

Prof. Kashma N B



Head of Lifesciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.

INDIAN ACADEMY

Degree College - Autonomous

Department of Biochemistry

Gallery - Industrial visit to The University of Trans-Disciplinary Health Sciences and Technology

Date: 12th July, 2024



HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Analy

HEAD
 Department of Life Sciences
 Indian Academy Degree College - Autonomous
 Bangalore - 560043

Anish

PRINCIPAL
 INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 HENNUR MAIN ROAD
 BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFESCIENCES

Educational visit to TDU, Attur Post, Yelahanka, Bengaluru-560064 on 12th July 2024

II and IV Semester M.Sc. (Biochemistry)

Student Attendance

S. No.	Reg. No	Student Name	Semester	Signature
1	23IAMOS001	B.M.NAVEEN	II	Naveen
2	23IAMOS002	DEVIKA.N	II	Devika.N
3	23IAMOS003	DHANYASHREE NARAYAN	II	Dhanya
4	23IAMOS004	JAYASHREE L M	II	Jaya
5	23IAMOS005	NAMITHA M A	II	Namitha
6	23IAMOS006	NIKHIL N	II	Nikhil
7	23IAMOS007	SANDHYA K	II	Sandhya K
8	23IAMOS009	SHREESHA N S	II	Shreesha
9	23IAMOS010	SINDHU T	II	Sindhu
10	23IAMOS011	VINUTHA	II	Vinutha
11	22IAMOS008	AFZA KOUSAR	IV	Afza Kousar
12	22IAMOS009	ALIYA FATHIMA	IV	Aliya Fathima
13	22IAMOS010	AMLAN HOSSAIN	IV	Amlan
14	22IAMOS011	AMRUTH R	IV	Amruth R
15	22IAMOS012	ASHWIJ R	IV	Ashwiji R
16	22IAMOS013	CHAITHRA C	IV	Chaithra C
17	22IAMOS014	DRISHYA D R	IV	Drishya D R
18	22IAMOS015	L ARSHIYA FATHIMA	IV	L Arshiya Fathima
19	22IAMOS016	LAKSHIMI K S	IV	Lakshmi K.S
20	22IAMOS017	MANJUNATHA BM	IV	Manjuna M
21	22IAMOS019	MOHAN S	IV	Mohan S
22	22IAMOS020	PAVAN N	IV	Pavan N
23	22IAMOS021	PRATHUSHA KS	IV	Prathusha
24	22IAMOS022	SARIKA S R	IV	Sarika S R
25	22IAMOS023	THARUN M	IV	Tharun M
26	22IAMOS156	NOUSHEEN FATHIMA	IV	Nousheen Fathima

From

Dr. Erumalla Venkata Nagaraju
IADCA.

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFESCIENCES

Educational visit to TDU, Attur Post, Yelahanka, Bengaluru-560064 on 12th July 2024

II and IV Semester M.Sc. (Biochemistry)

Student Attendance

S. No.	Reg. No	Student Name	Semester	Signature
1	23IAMOS001	B.M.NAVEEN	II	
2	23IAMOS002	DEVIKA.N	II	
3	23IAMOS003	DHANYASHREE NARAYAN	II	
4	23IAMOS004	JAYASHREE L M	II	
5	23IAMOS005	NAMITHA M A	II	
6	23IAMOS006	NIKHIL N	II	
7	23IAMOS007	SANDHYA K	II	
8	23IAMOS009	SHREESHA N S	II	
9	23IAMOS010	SINDHU T	II	
10	23IAMOS011	VINUTHA	II	
11	22IAMOS008	AFZA KOUSAR	IV	
12	22IAMOS009	ALIYA FATHIMA	IV	
13	22IAMOS010	AMLAN HOSSAIN	IV	
14	22IAMOS011	AMRUTH R	IV	
15	22IAMOS012	ASHWIJ R	IV	
16	22IAMOS013	CHAITHRA C	IV	
17	22IAMOS014	DRISHYA D R	IV	
18	22IAMOS015	L ARSHIYA FATHIMA	IV	
19	22IAMOS016	LAKSHIMI K S	IV	
20	22IAMOS017	MANJUNATHA BM	IV	
21	22IAMOS019	MOHAN S	IV	
22	22IAMOS020	PAVAN N	IV	
23	22IAMOS021	PRATHUSHA KS	IV	
24	22IAMOS022	SARIKA S R	IV	
25	22IAMOS023	THARUN M	IV	
26	22IAMOS156	NOUSHEEN FATHIMA	IV	

From

Dr. Erumalla Venkata Nagaraju
IADCA.

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES –BIOTECHNOLOGY/ GENETICS

- Title of the Event and the Funding Agency:** Institutional visit to CSIR-Central Institute of Medicinal and Aromatic Plants, Research Centre, Allalasanra, GKVK Post, Bengaluru.
- Venue:** CSIR-Central Institute of Medicinal and Aromatic Plants, Research Centre, Allalasanra, GKVK Post, Bengaluru-560 065, Email: crcblr@cimap.res.in, Website: www.cimap.res.in – Central Institute of Medicinal and Aromatic Plants, Bengaluru.
- Date:** 26th March 2024
- Time:** 9:30 am to 2:00 pm
- Name of the Resource Persons:**
 - Dr. Yogendra N. D, Senior Scientist, CSIR-CIMAP, GKVK Post, Allalasanra, Bengaluru-560065
 - Mr. K Bhaskaran, Principal Technical Officer, CSIR-CIMAP, GKVK Post, Allalasanra, Bengaluru-560065.
- Broad Aim of the Event:** Broad exposure on the laboratory and field technologies developed by a Central Research Institute on medicinal and aromatic crops – CSIR-Council of Scientific Industrial Research Institute.
- Objectives (at least 2/3):**
 - (1) To bring about an understanding of the various natural medicinal and aromatic resources, facilities and technology available at the center and across the systems.
 - (2) To update the knowledge on the facts & figures of medicinal and aromatic plants, their utility and availability across nation, region and at CIMAP center.
 - (3) To provide a learning opportunity to notice and broaden their exposure on the farm and research facilities and projects undertaken at the research laboratory and field materials at the central institute.
- Outcomes (at least 2/3):**
 - (1) Acquire about the various aspects of current status, statistics, utilization and the usage of potential medicinal component medicinal and aromatic plant resources.

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.

- (2) Attain the knowledge of basic procedure/process involved in the extraction of specific component from the different parts of the plant based on the type of utilization in the pharmaceutical industry.
- (3) Get exposure and broaden their practical knowledge of the laboratory setup, facility with utilization of various high throughput machinery and instruments used at centralized laboratory.

9. Brief details about the event:

The institutional visit was organized by Department of Life Sciences, Biotechnology and Genetics and it was all about the field and laboratory visit and overall exposure to the students of B.Sc. GBt – II Semester, M.Sc. Applied Genetics – III semester and M.Sc. Biotechnology I semester. Faculty along with students reached the venue by 10 am and the students were appraised about the institute, aims and goals, need for the industry based research activities and the technologies developed and its significance in the industry. Also the role of different departments in the research centre with man power was emphasized prior to the field visit. Field visit was thoroughly informative with types of aromatic and medicinal plants available in the farm, their important characteristic features, industrial importance, essential plant part, essential component extracted, and concentration available, distillation methodologies followed and cropped area grown across the available centres. The functioning, specifications, working principle and area wise calculation of field distillation unit with citronella grass was demonstrated to the students in the field visit.

In the laboratory visit, explanations on soil chemistry parameters, chemical compounds available from each plant parts, extraction methodologies, crop improvement strategies with the breeding tools and genomic tools, delineating the pathways responsible, latest technologies in gene identification and modification, germplasm identification, bar code genes identification was done. In the end prior to lunch time the students were exhibited with the essential oil samples extracted from different plants, medicinal products explored and nursery plant sample for reasonable rates. The students were curious to know about the institutional research activities and technologies developed and completely alert and imbibed the contents provided by the technical experts with their experimental plans and results.

The faculty members associated with the event were Dr. Paramesh H, Associate Professor and Dr. Shubha R, Professor and Program Co-ordinator, Department of Life Sciences.

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES- GENETICS REPORT ON INDUSTRIAL VISIT TO CSIR-CENTRAL INSTITUTE OF MEDICINAL AND AROMATIC PLANTS



Principal's Signature

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

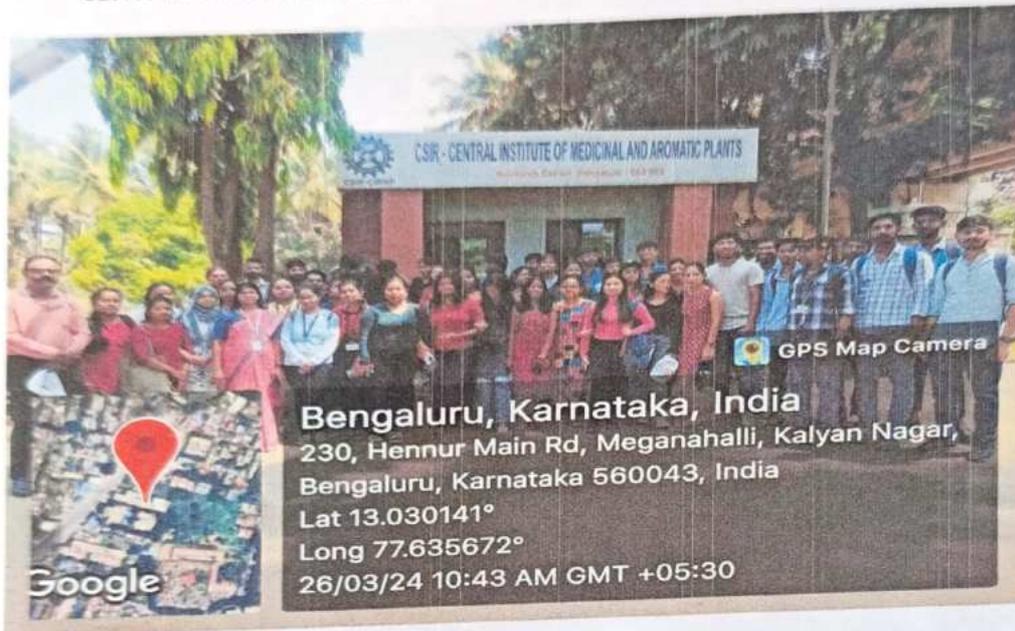
Head's Signature

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES- BIOTECHNOLOGY REPORT ON INDUSTRIAL VISIT TO CENTRAL INSTITUTE OF MEDICINAL AND AROMATIC PLANTS (CIMAP), BENGALURU



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Principals

PRINCIPAL
 INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 HENNUR MAIN ROAD
 BENGALURU - 43

Head

HEAD
 Department of Life Sciences
 Indian Academy Degree College - Autonomous
 Bangalore - 560043

INDIAN ACADEMY



Princip

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Anah

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

- Photos
- Report

INDIAN ACADEMY Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES

Date: 20-03-2024

Programme: M.Sc. I Semester students – Biotechnology (Total – 33 = Girls – 21 + Boys-12), M.Sc.III Semester students – Applied Genetics (Total – 6 = Boys-4 + Girls-2) and B.Sc.II semester students - GBt - (Total 17 = Boys-7 + Girls-10) = 55.

Location: CSIR-CIMAP Research Centre, Allalandra, GKVK Post, Bengaluru-560 065, Email: crcblr@cimap.res.in, Website: www.cimap.res.in – Central Institute of Medicinal and Aromatic Plants, Bengaluru.

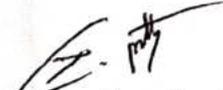
In response to the invitation from CSIR-CIMAP Research Centre, Bengaluru on the occasion of Open Day on 26th March 2024, a visit is organized to bring awareness in students about the Central Research Institute on Medicinal and Aromatic Plants to life science students for lab and field visit at 10 AM followed by a lecture by lead scientist.

Objectives of the visit:

1. To bring about an understanding of the various natural medicinal and aromatic resources, facilities and technology available at the center and across the systems.
2. To update the knowledge on the facts & figures of medicinal and aromatic plants, their utility and availability across nation, region and at CIMAP center.
3. To provide a learning opportunity to notice and broaden their exposure on the farm and research facilities and projects undertaken at the research laboratory and field materials at the central institute.

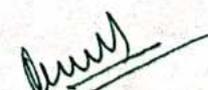
Outcomes of the visit:

1. Acquire about the various aspects of current status, statistics, utilization and the usage of potential medicinal component medicinal and aromatic plant resources.
2. Attain the knowledge of basic procedure/process involved in the extraction of specific component from the different parts of the plant based on the type of utilization in the pharmaceutical industry.
3. Get exposure and broaden their practical knowledge of the laboratory setup, facility with utilization of various high throughput machinery and instruments used at centralized laboratory.


**Program Coordinator
Biotechnology**


**Program Coordinator
Applied Genetics**


Head of Department


Principal

Program Coordinator - Biotechnology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Program Coordinator - Genetics
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

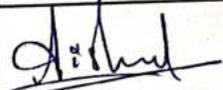
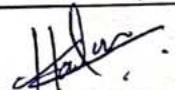
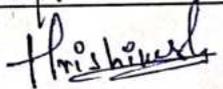
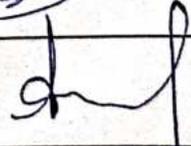
Degree College - Autonomous

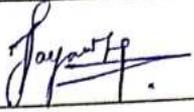
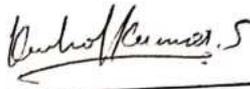
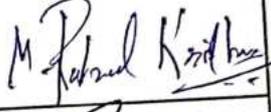
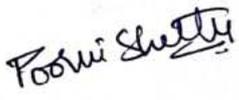
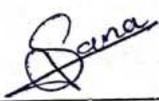
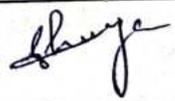
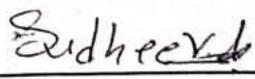
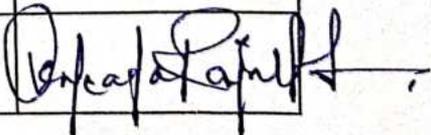
DEPARTMENT OF LIFESCIENCES

Transportation fees: Rs.30/-Each

Place of Visit: CSIR-CIMAP Research Centre

Date: 26-03-2024

SL.No	Name	Class	Register Number	Signature
1)	AISHWARYA S	M.Sc. Sem III	22IAMOS001	
2)	ASHOK K	M.Sc. Sem III	22IAMOS002	—
3)	DEEKSHITHA S	M.Sc. Sem III	22IAMOS003	
4)	HARIDEV	M.Sc. Sem III	22IAMOS004	
5)	HRISHIKESH H	M.Sc. Sem III	22IAMOS005	
6)	MANOJ N	M.Sc. Sem III	22IAMOS007	
7)	A GAGAN	B.Sc.GBt Sem II	23IABSC007	
8)	ABDUL RAYAN J	B.Sc.GBt Sem II	23IABSC008	
9)	AISHWARYA K	B.Sc.GBt Sem II	23IABSC009	
10)	ALIYA SHARIFF	B.Sc.GBt Sem II	23IABSC010	
11)	HAFSA KOWSER	B.Sc.GBt Sem II	23IABSC011	

12)	JAYAPRADEEPA S	B.Sc.GBt Sem II	23IABSC012	
13)	KUSHAL KUMAR S	B.Sc.GBt Sem II	23IABSC013	
14)	LIGODI NKABAKULE DIVINE	B.Sc.GBt Sem II	23IABSC014	
15)	M RAHUL KRISHNA	B.Sc.GBt Sem II	23IABSC015	
16)	MOHAMMED ZAKI WAJAHATH	B.Sc.GBt Sem II	23IABSC016	
17)	POORVI SHETTY AV	B.Sc.GBt Sem II	23IABSC017	
18)	PRABASH RANJAN PRADHAN	B.Sc.GBt Sem II	23IABSC018	
19)	SANA HAYATH S H	B.Sc.GBt Sem II	23IABSC019	
20)	SHAZIYA AFREEN	B.Sc.GBt Sem II	23IABSC020	
21)	SUDHEER H	B.Sc.GBt Sem II	23IABSC021	
22)	UMME ASMA G	B.Sc.GBt Sem II	23IABSC022	-
23)	VENKATARAJU V	B.Sc.GBt Sem II	23IABSC023	

INDIAN ACADEMY

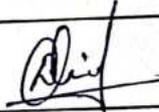
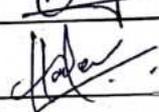
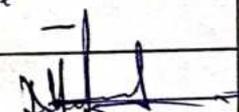
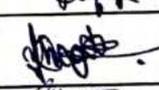
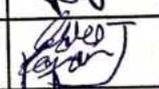
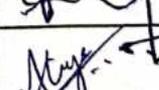
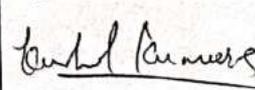
Degree College - Autonomous

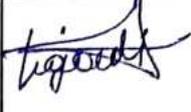
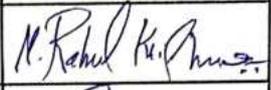
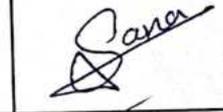
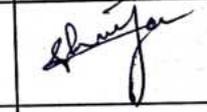
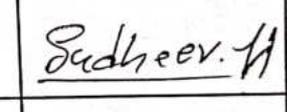
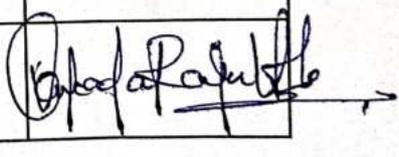
DEPARTMENT OF LIFESCIENCES-GENETICS

ATTENDANCE LIST

Place of Visit: CSIR-CIMAP Research Centre

Date: 26-03-2024

SL.No	Name	Class	Register Number	Signature
1	AISHWARYA S	M.Sc. Sem III	22IAMOS001	—
2	ASHOK K	M.Sc. Sem III	22IAMOS002	—
3	DEEKSHITHA S	M.Sc. Sem III	22IAMOS003	
4	HARIDEV	M.Sc. Sem III	22IAMOS004	
5	HRISHIKESH H	M.Sc. Sem III	22IAMOS005	—
6	MANOJ N	M.Sc. Sem III	22IAMOS007	
7	A GAGAN	B.Sc.GBt Sem II	23IABSC007	
8	ABDUL RAYAN J	B.Sc.GBt Sem II	23IABSC008	
9	AISHWARYA K	B.Sc.GBt Sem II	23IABSC009	
10	ALIYA SHARIFF	B.Sc.GBt Sem II	23IABSC010	
11	HAFSA KOWSER	B.Sc.GBt Sem II	23IABSC011	
12	JAYAPRADEEPA S	B.Sc.GBt Sem II	23IABSC012	
13	KUSHAL KUMAR S	B.Sc.GBt Sem II	23IABSC013	

14	LIGODI NKABAKULE DIVINE	B.Sc.GBt Sem II	23IABSC014	
15	M RAHUL KRISHNA	B.Sc.GBt Sem II	23IABSC015	
16	MOHAMMED ZAKI WAJAHATH	B.Sc.GBt Sem II	23IABSC016	
17	POORVI SHETTY AV	B.Sc.GBt Sem II	23IABSC017	
18	PRABASH RANJAN PRADHAN	B.Sc.GBt Sem II	23IABSC018	
19	SANA HAYATH S H	B.Sc.GBt Sem II	23IABSC019	
20	SHAZIYA AFREEN	B.Sc.GBt Sem II	23IABSC020	
21	SUDHEER H	B.Sc.GBt Sem II	23IABSC021	
22	UMME ASMA G	B.Sc.GBt Sem II	23IABSC022	—
23	VENKATARAJU V	B.Sc.GBt Sem II	23IABSC023	

Number of students present: 20

Number of students absent: 03



Programme Coordinator
Department of
Indian Academy of
Bangalore - 560001
Anonymous

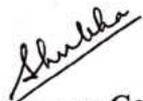
INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFESCIENCES-GENETICS

Industrial visits: June 2023-May 2024

S.No	Date	Visit	Target participants	No.of students
1	13-06-2023	Dr Biosciences Lab	IV Sem B.Sc GBc and IV Sem M.Sc. Applied Genetics	20
2	11-07-2023	IIHR	VI Sem GBcBt/ GBcMb B.Sc and II Sem M.Sc. Applied Genetics	38
3	26-03-2024	CSIR-CIMAP Research Centre	III Sem M.Sc. Applied Genetics and II Sem GBt B.Sc	23


Programme Coordinator

Program Coordinator - Genetics
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

HoD

IADCA/LS/23-24/IV/03

25.09.2023

From,

Dr. K. Sahithya

Department of Microbiology

Indian Academy Degree College-Autonomous

Bengaluru-560043

To,

The Principal

Indian Academy Degree College-Autonomous

Bengaluru-560043

Respected Sir,

Sub: Requisition to grant permission to visit KOMUL-reg.

With respect to the above subject, I would like to bring to your kind notice that as a part of the curriculum we would like to take our II Semester M.Sc., Microbiology students for an industrial visit to KOMUL, Kolar on 04th October, 2023. Kindly grant permission for the same.

Thank you,

Yours Sincerely

[Signature]
Dr. K. Sahithya

forwarded to HOD
[Signature]

Enclosed:

- Approval letter received from KOMUL
- List of students

*Permitted & forwarded to Principal
madam for a permission*
[Signature]
25/9/23.

[Signature]
25/9/23
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.

INDIAN ACADEMY

Degree College - Autonomous

IADCA/LS/23-24/IV/03

Date: 25.09.2023

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

Circular

This is to inform all the II Semester M.Sc., Microbiology students that the Department is organising Industrial visit to KOMUL, Kolar on ~~04th October~~, 2023.

Objectives of the Visit:

1. To enhance the students' knowledge on essential steps in dairy industry
2. To provide students with a chance to meet industry professionals and entrepreneurs, who share their wisdom, learning, and experiences
3. To pursue knowledge about the organized collection of milk and production of pasteurized milk and milk products, toned milk, full cream milk and ice - creams with different flavours

Outcomes of the Visit:

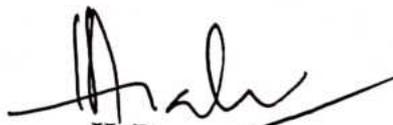
- The visit will be a true learning experience for students and to understand the expectations of the dairy industry and interact with highly trained and experienced personnel.
- The visit will provide overall exposure to the microbiological aspects in the dairy industry
- The visit will also help the students to experience milk collection, processing, packaging, and storage units in dairy industry.

Location: Kolar-Chikkaballapura Cooperative Milk Producers Societies Union Limited (KOMUL), Kolar Dairy Premises, NH 75, Huthur, Post, Kolar, Karnataka 563102

Time of the departure: 8.30 AM

Time of arrival: 4.00 PM


Program Co-ordinator


HoD


Principal

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Science - Microbiology

Industrial Visit to Kolar-Chikkaballapura Cooperative Milk Producers Societies Union Limited (KOMUL)

Date & time: 04.10.2023; 9.30 AM to 4.30 PM

Industry: Kolar-Chikkaballapura Cooperative Milk Producers Societies Union Limited (KOMUL), Kolar Dairy Premises, NH 75, Huthur, Post, Kolar, Karnataka 563102

Objectives:

1. To enhance the students' knowledge on essential steps in dairy industry
2. To provide students with a chance to meet industry professionals and entrepreneurs, who share their wisdom, learning, and experiences
3. To pursue knowledge about the organized collection of milk and production of pasteurized milk and milk products, toned milk, full cream milk and ice - creams with different flavours

About the Industry:

Kolar-Chikkaballapura District Co-operative Milk Producers Union Ltd., (KOMUL) is Karnataka's 2nd highest Milk Producing District organisation. It is a District level apex body of milk cooperatives in Karnataka, which aims to provide remunerative returns to the farmers by eliminating the middlemen and also serve the interest of consumers by providing quality Milk & milk products, which are good value for money.

Once the Dist. was named as Land of Gold & Silk, is making inroads in Quality Milk Production. It is KOMUL first installed "Bulk Milk Coolers & Community Milking Machines" at Society level in the state of Karnataka to get the quality milk required for UHT milk packed at Kolar Dairy under the brand name of nandini 'Good-Life'.

Presently Union has full pledged dairy at Kolar with an installed capacity of 2.0 LLPD, and three chilling centers at Chinthamani, Sadli, & Gowribidnur with 1.0 LLPD capacity each respectively. KOMUL started marketing of liquid milk in polythene sachets in entire Kolar District and parts of Bangalore City since 1994. The Mnemonic Symbol of NDDB was adopted



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
19/10/23



by the Union from April' 2002 to market the liquid milk.

About the Visit: The visit began with the screening of a short film and presentation providing a deep insight into the journey of the venture and its establishment into a successful company. The presentation gave knowledge about how dairy was established as a cooperative unit collecting milk from farmers in rural areas and marketing it in urban areas. The technical team has explained automation of dairy through presentation containing many functional block diagrams and existing computerized controlled machineries.

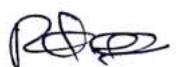
Students were taken through the production facility including the quality check of milk samples in the pasteurization process and the packaging and storage, until the products are sent out for delivery. The students very actively walked through the plant with the officials who explained the whole process of manufacturing and packaging of milk and other milk products.

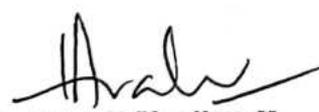
Students were taken through the wide range of products which are manufactured in the plant, including cow milk, toned milk, double toned milk, standardized milk, full cream milk, cow & buffalo cream and ghee, shrikhand, amrakhand, malai paneer, dahi, flavoured milk, lassi, jeeratak, table butter, milk powder, softy ice cream, pedha, khoa. The salient feature of the plant was the Waste Water Management initiative in which water used in the production process is filtered, treated and let out in open areas for plants.

Outcome:

- The visit was a true learning experience for students and helped students to understand the expectations of the dairy industry and interact with highly trained and experienced personnel.
- The visit also helped the students to experience production, processing, packaging and storage units in milk dairy industry.


Dr. Sahithya K
Faculty In-Charge


Dr. P. Malaiyarasa Pandiyan
Program Coordinator


Dr. Ananda Vardhan H
Head of Life Sciences
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043




Dr. N Thilaka
Principal
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



II sem M.Sc., students at KOMUL



INDIAN ACADEMY

Degree College - Autonomous

Department of Life Science - Microbiology

LIST OF STUDENTS VISITED KOMUL

Date: 04.10.2023

Class: II Sem M.Sc., Microbiology (2022 to 2024 batch)

Sl. No.	Reg. No.	Student Name	Sl. No.	Reg. No.	Student Name
1	22IAMOS126	ABHILASA BHATTACHARYA	14	22IAMOS140	MOHAMMAD MANSOOR ZARIAN
2	22IAMOS127	AISHWARYA GOPINARENDRA PATHAK	15	22IAMOS141	NEERAJ KRISHNA V R
3	22IAMOS128	BALDANIYA AMI NARSHIBHAI	16	22IAMOS142	NIHAR G
4	22IAMOS129	BISMI BABU	17	22IAMOS143	NIKHIL I A
5	22IAMOS130	CHANDAN P	18	22IAMOS144	NITHIN S
6	22IAMOS131	DEEVEN KUMAR BN	19	22IAMOS146	PADMASHREE A
7	22IAMOS132	GOWTHAM GV	20	22IAMOS147	PRUTHVIRAJ R
8	22IAMOS133	GRACE PENIEL A RAJU	21	22IAMOS148	R R VIJAY KUMAR
9	22IAMOS134	HAJIRA FATHIMA	22	22IAMOS149	RESHMA
10	22IAMOS135	HARSHITHA NR	23	22IAMOS151	SINCHANA S
11	22IAMOS137	KEVIN SABU	24	22IAMOS152	SPARSHA B D
12	22IAMOS138	LIKITH KUMAR B S	25	22IAMOS153	SUDARSAN SARKAR
13	22IAMOS139	MARIA PREETHI	26	22IAMOS155	VARUN KM


Dr. Sahithya K
Faculty In-Charge





INDIAN ACADEMY

Degree College - Autonomous

Transport Requisition Form- For Students/Staff

1. Name/ Department/College requesting : Life science - Microbiology
2. Phone Number : 8317457386
3. Purpose of the requirement : Industrial visit
4. Address of the Organisation Visiting : Konul, Kolasa - 563102
5. Number of Students/Persons visiting : 28 Students
6. Details of the Faculty member accompanying the Students/Staff : 2 Faculty
7. Number of days of visit : 01
8. Sanctioned By : [Signature]
9. Date, Time & Place of Pick up/Start : 04/10/23 8.30AM BADCRA
10. Date, Time & Place of Drop/Return : 04/10/23 4.00PM BADCRA
11. Signature of H O D/Person Requesting: [Signature]
12. Signature of Vice Principal/Principal : [Signature]
13. Remarks of Manager (Ops & Maint) :

FOR OFFICE USE

- 14 Vehicle Registration Number : 10 Mrs. Nalini madam.
- 15 Driver's Name : Kindly collect the Amount of
16. Kilometer reading OUT : Rs. 2400 Towards Diesel
17. Kilometer reading IN : Change for I.V.
18. Total Kilometers done : [Signature]
19. Time OUT of the vehicle : 30/9/23
20. Time IN of the vehicle :

Bank Receipt Voucher

No. : 546

Dated : 30-Sep-2023

Particulars	Amount
Account : INDL TRIP FEE	2,400.00

Through :

Axis Bank A/C- 911010015741644

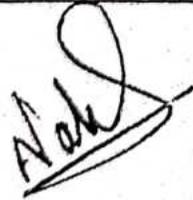
On Account of :

BEING II SEM MSC MB INDL TRIP TO
KOLAR / DIESEL CHARGES REMITTED

Amount (In words) :

Indian Rupees Two Thousand Four Hundred Only

₹ 2,400.00



Authorised Signatory



INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

Date: 12-08-2023

To,

The Principal,
Indian Academy Degree College-Autonomous
Bangalore-43

Respected sir,

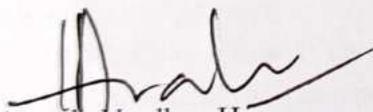
Subject: Permission to conduct an Industrial Visit from Dept. of Life Sciences

Target Students III semester M.Sc Biochemistry students

The Department of Life Sciences-Biochemistry would like to organize an Industrial Visit to D R Biosciences, Ganganagar, Bettahalsoor, Bengaluru-562157 on 16th August 2023 for III semester M.Sc Biochemistry students. This visit will expose students to molecular biology techniques and protein techniques. I request you to kindly permit us to organize this Industrial Visit.

Thanking you.

Kind Regards,


Dr. Ananda Vardhan.H.

Professor & HOD

Department of Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


(PRINCIPAL)

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences

Ref.No. IAGI/IADCA/BC/IV 22-23/001

Date: 12-08-2023

CIRCULAR

This is to inform that the Department of Life Sciences-Biochemistry, Indian Academy Degree College-Autonomous is organizing an Industrial Visit for III semester M.Sc Biochemistry students to D R Biosciences, Ganganagar, Bettahalsoor, Bengaluru-562157 on 16th August 2023.

Objectives of Industrial visit:

1. To acquaint students with handling of all types of biomedical equipments.
2. To expose students to learn animal cell culture techniques.
3. To give hands on exposure in handling cell, molecular biology and proteomics studies.

Outcomes of Industrial visit:

After this industrial visit, students may be able to

1. To be aware of significance of each biomedical instruments in their lab.
2. To understand the handling process of animal cells in research.
3. To become familiar with all life sciences techniques.

Place of visit: D R Biosciences, Ganganagar, Bettahalsoor, Bengaluru-562157

Date of visit: 16th August 2023

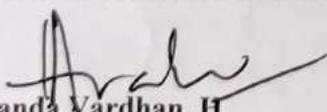
Departure time: 9.00 am

Arrival time: 4.00 pm

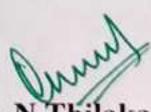
About the place of visit:

DR Biosciences is a first of its kind provider of services, consultation and products catering industrial, healthcare and academic institutions in India and abroad. They specialize in the fields of industrial, healthcare and academic institutions in India and abroad. They also provide a one stop solution for all research needs at entry level researchers to an established professional. D R Biosciences also provide equipment service in the following areas, Pharmaceutical, Biomedical, Electronics, Instrumentation, O.T Equipment, Diagnostic lab, Imaging systems, Cardiovascular & Thoracic, Colonoscopy & Endoscopy, Blood Bank Equipment etc.

I request all the concerned teachers to make a note and support.


Dr. Ananda Vardhan. H.
Prof. & HOD-Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Dr. N. Thilaka
Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences - Biochemistry

Report on Industrial visit to

D R BIOSCIENCES

Date of the event	: 16 th August 2023
Students	: III Semester M.Sc. Biochemistry Students
No. of students	: 16
Place of industrial visit	: D R Biosciences, Ganganagar, Bettahalsoor, Bengaluru-

Aim of the event : Purpose of visit to D R Biosciences labs was to provide opportunity for PG students to expose for all advanced techniques of molecular biology and animal cell culture. It was also aimed at giving students a look at training facilities available for them at D R Biosciences

Objectives of Industrial visit:

1. To acquaint students with handling of all types of biomedical equipments.
2. To expose students to learn animal cell culture techniques.
3. To give hands on exposure in handling cell, molecular biology and proteomics studies.

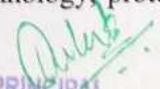
Learning Outcomes:

After this industrial visit, students may be able toF

1. To be aware of significance of each biomedical instruments in their lab.
2. To understand the handling process of animal cells in research.
3. To become familiar with all life sciences techniques.

About the event:

On receiving permission from DR Biosciences, Ganganagar, Bettahalsoor, Bengaluru,16 Students of III Sem MSc (Biochemistry) along with two faculty members (Dr Suma T.K & Dr.Pushpa.K) visited DR Biosciences labs on 16th August 2023. The training head and his team took the students first to the conference room and gave a brief introduction about their institute and its working arena as well as the training programs they offer. Then we were taken to their RD department where we visited each and every section one by one to basic microbiology technique lab, molecular biology lab, cell culture technology, proteomics and Biomedical instrumentation.


PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.

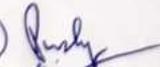
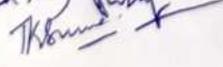


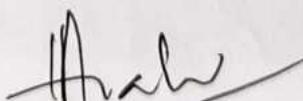
DR Biosciences is a first of its kind provider of services, consultation and products catering industrial, healthcare and academic institutions in India and abroad. They are a one stop solution provider for all research needs at entry level researchers to an established professional. Contact Research services are offered in the area of Molecular Biology, Genetics, Microbiology, Pre-clinical, Pharmacology and Toxicology. Besides, they provide equipment service in the following areas, Pharmaceutical, Biomedical, Electronics, Instrumentation, O.T Equipment, Diagnostic lab, Imaging systems, Cardiovascular & Thoracic, Colonoscopy & Endoscopy, Blood Bank Equipment etc.

- Preclinical Services - DR Biosciences offers a wide range of services using *in-vitro* models for cytotoxicity, hepatoprotective, cardioprotective, anticancer activity, etc.
- Proteomics
- SDS-PAGE
- 2-Dimensional gel electrophoresis
- Western Blotting
- Immunoprecipitation
- Chip-Assay
- Post Translational Modifications
- Cell Biology
- Genomics - technologies associated with Genomics like DNA, RNA isolation & Quantification, Primer design, cDNA synthesis, Gene Mutations, Southern blotting, Cloning, Genotyping, Gene expression analysis by RT-PCR, etc
- Enzyme assays
- Biochemical Studies
- Biomarker Analysis
- Analytical Services

The interactive session and elaborate explanation of instrumentation (Technology) available in DR Biosciences took over almost two hours. The student got ideas on handling various life sciences practical techniques.

Coordinators

1. (Dr. Prashant) 
2. (Dr. Suma.T.K.) 


Head of Department

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Principal
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Department of Life Sciences - Biochemistry

Report on Industrial visit to

D R BIOSCIENCES

16th August 2023

Photos



HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.





GPS Map Camera

Bettahalsoor, Karnataka, India
 No 17, DR Biosciences Ganganagar, behind Grampanchayat office,
 Bettahalsoor, Bengaluru, Karnataka 562157, India
 Lat 13.15629°
 Long 77.607365°
 16/08/23 01:31 PM GMT +05:30



Google



GPS Map Camera

Bettahalsoor, Karnataka, India
 No 17, DR Biosciences Ganganagar, behind Grampanchayat office,
 Bettahalsoor, Bengaluru, Karnataka 562157, India
 Lat 13.156281°
 Long 77.607374°
 16/08/23 01:36 PM GMT +05:30

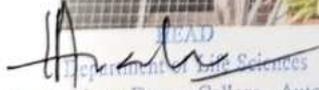


Google

HEAD
 Department of Life Sciences
 Indian Academy Degree College - Autonomous
 Bangalore - 560043

PRINCIPAL
 INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 Hennur Cross, Kalyan Nagar
 Bangalore - 43.




 HEAD
 Department of Life Sciences
 Indian Academy Degree College - Autonomous
 Bangalore - 560043


 PRINCIPAL
 INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 Hennur Cross, Kalyan Nagar
 Bangalore - 43.



Coordinators

Program Coordinator - Biochemistry
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Head of Department

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal

INDIAN ACADEMY DEGREE COLLEGE -
AUTONOMOUS
Hennur Cross, Kaiyan Nagar
Bangalore - 560043

INDIAN ACADEMY

Degree College - Autonomous

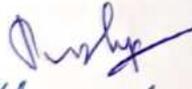
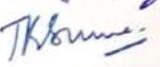
Department of Life Sciences - Biochemistry

Industrial visit to DR Biosciences, Bengaluru

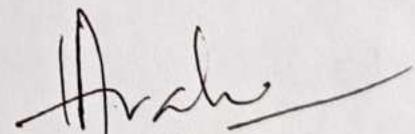
16th Aug 2023

III Sem MSc Biochemistry Student List

Sl. No	Register No.	Name of student
1	21IAMOS009	Ajith D D
2	21IAMOS010	Apoorva B Reddy
3	21IAMOS011	Chaithra S
4	21IAMOS012	Gagandeep K L
5	21IAMOS013	Mahadevaprasad
6	21IAMOS014	Nirmal Kumar R
7	21IAMOS015	Niveditha M
8	21IAMOS016	Raju E K
9	21IAMOS017	Sabira
10	21IAMOS018	Sanjay H R
11	21IAMOS019	Shashank Gowda D
12	21IAMOS020	Sriram Vijayalakshmi
13	21IAMOS021	Swathi M
14	21IAMOS022	Tulasiprasad
15	21IAMOS023	Umme ul Nida G
16	21IAMOS024	Vidyasagar M

1.  (Dr. Pushpa)
2.  (Dr. Sume TK)

Coordinators



Head of Department

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



11.08.2023

From

Dr S. Anu Kiruthika,
Department of Life Science - Microbiology,
Indian Academy Degree College-Autonomous,
Bengaluru-560043.

To

The Principal,
Indian Academy Degree College-Autonomous,
Bengaluru-560043.

Respected Madam,

Sub: Requisition to grant permission to visit Kinvah Vineyards Pvt.Ltd. - reg.

With respect to the above subject, I would like to bring to your kind notice that as a part of the curriculum we would like to take our IV Semester M.Sc Microbiology students (27) for an industrial visit to Kinvah Vineyards, Survey No. 55/56 Nagadasanahalli Village, Thimanyakanahalli, Yelahanka Hobli, Bengaluru, Karnataka on 17th August 2023.

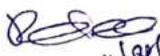
Kindly grant permission for the same.

Thank you,

Yours Sincerely



Dr S. Anu Kiruthika.

Forwarded HoD

11/8/23




PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCE - MICROBIOLOGY

CIRCULAR

MB/2023-24/02

11.08.2023

Department of Life Science - Microbiology is organizing an Industrial visit for IV Semester M.Sc Microbiology students on 17th August 2023 to Kinvah Vineyards, Survey No. 55/56 Nagadasanahalli Village, Thimanayakanahalli, Yelahanka Hobli, Bengaluru, Karnataka 560064. The subject teachers of respective classes kindly permit them with attendance.

OBJECTIVES OF INDUSTRIAL VISIT

- To acquire the skill knowledge about the commercial production of wine
- To explore career options in alcoholic beverage industry.

OUTCOME OF THE VISIT

The students

- Understand the grape growing process for wine making, grape crushing, fermentation and storage of wine.
- Tasting of wine.
- Learn the complete process in Vinification.

Students: IV Semester M.Sc. Microbiology

Name of the Industry: Kinvah Vineyards, Survey No. 55/56 Nagadasanahalli Village, Thimanayakanahalli, Yelahanka Hobli, Bengaluru, Karnataka 560064.

Date/Day: 17.08.2023/Thursday

Departure Time : 9.00 A.M.

Arrival Time : 4:00 P.M.

Organizer: Dr. S. Anu Kiruthika



Program Coordinator : Dr. Malaiyarasa Pandian P



11/08/23

Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Science: Dr. H Ananda Vardhan



HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal: Dr. N. Thilaka



12/08/23

PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



DEPARTMENT OF LIFE SCIENCE - MICROBIOLOGY

A Report on Industrial Visit

Place: Kinvah Vineyards (Nandi Valley Winery) Pvt. Ltd. Bengaluru.

Date: 17.08.2023

Time: 12.30pm – 4.00pm

Target students: IV Semester M.Sc Microbiology

Name of the Resource Person: Mr Shashi

Aim of the Event: To gain knowledge in the commercial production of wine and career options in alcoholic beverage industry.

Objectives of Industrial visit:

- To acquire the skill knowledge about the commercial production of wine.
- To explore career options in alcoholic beverage industry.

Outcomes of Industrial visit:

The students

- Understand the grape growing process for wine making, grape crushing, fermentation and storage of wine.
- Tasting of wine.
- Learn the complete process in Vinification.

About the event:

Kinvah Vineyards is a distinguished winery known for its commitment to producing high-quality wines through traditional methods combined with modern innovation. The winery boasts a vast expanse of vineyards, state-of-the-art winemaking facilities, and a deep-rooted appreciation for the art of winemaking.

Vineyard Tour:

The visit commenced with a tour of the sprawling vineyards, where participants learned about various grape varieties, vineyard management techniques, and factors influencing grape quality. The winery's viticulturist explained the significance of terroir—how soil composition, climate, and geography contribute to the unique characteristics of each wine.

Winemaking Process:

Participants were guided through the winemaking process, from grape harvesting to bottling. The steps included:

1. **Grape Crushing and Pressing:** Grapes are carefully sorted, crushed, and pressed to extract juice, which is the foundation of wine.
2. **Fermentation:** The juice undergoes fermentation, during which natural yeasts or selected strains are added to convert sugars into alcohol.
3. **Aging:** The wine is aged in various types of oak barrels or stainless steel tanks, depending on the desired style. Oak aging imparts flavors, aromas, and texture.
4. **Blending:** Winemakers skillfully blend different batches of wine to achieve the desired taste profile, complexity, and balance.
5. **Bottling:** The wine is filtered, bottled, and sealed, often with corks or screw caps, to ensure its preservation until consumption.

Tasting Session:

A highlight of the visit was a wine tasting session guided by the winery's sommelier. Participants sampled a range of wines, from whites to reds, learning to appreciate the nuances of aroma, flavor, and body. The sommelier shared insights into food pairing and the art of wine appreciation.

Wine Culture and History:

Participants were immersed in the rich history of winemaking, learning about the winery's heritage, regional wine traditions, and the global impact of wine on culture and trade.

Sustainability and Innovation:

The winery's commitment to sustainability was evident, with discussions on eco-friendly practices such as water conservation, organic farming, and energy-efficient processes. Participants also learned about ongoing research and innovation in winemaking techniques.

Conclusion:

The visit to Kinvah Vineyards provided an exceptional opportunity for participants to witness firsthand the intricate process of winemaking, from vine to bottle. It deepened their appreciation for the artistry, science, and cultural significance of wine. The winery's dedication to tradition, innovation, and sustainability left a lasting impression on all who attended.

Organizer: Dr. S. Anu Kiruthika

Accompanied by: Dr. K. Sahithya

Program Coordinator : Dr. Malaiyarasa Pandjan P

HOD Life Science: Dr. H Ananda Vardhan

Principal: Dr. N. Thilaka


PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Program Coordinator - Microbiology

Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

HEAD

Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043



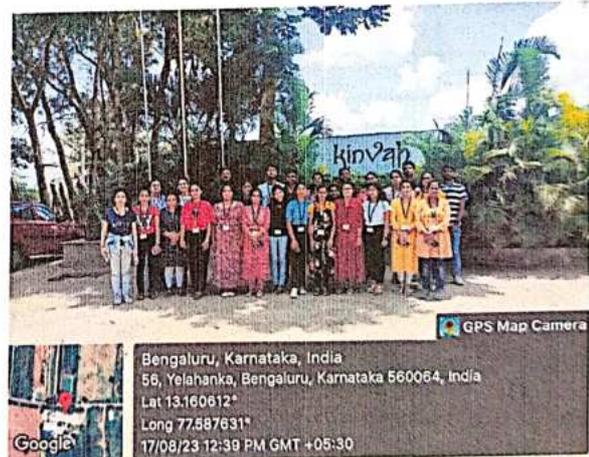
Photographs

Place: Kinvaah Vineyards (Nandi Valley Winery) Pvt. Ltd. Bengaluru.

Date: 17.08.2023

Time: 12.30pm – 4.00pm

Target students: IV Semester M.Sc Microbiology



Organizer: Dr. S. Anu Kiruthika

Program Coordinator : Dr. Malaiyarasa Pandian P

HOD Life Science: Dr. H Ananda Vardhan

Principal: Dr. N. Thilaka

Program Coordinator - Microbiology

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

HEAD

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

Attendance of Industrial visit

Place: Kinvah Vineyards (Nandi Valley Winery) Pvt. Ltd. Bengaluru.

Date: 17.08.2023

Time: 12.30pm - 4.00pm

Target students: IV Semester M.Sc Microbiology

S.No	Reg No	Students Name	Remarks	S.No	Reg No	Students Name	Remarks
1	21IAMOS127	ALICE SHEBA S	Present	15	21IAMOS141	PAVAN KUMAR A	Present
2	21IAMOS128	ANUSHA K P	Present	16	21IAMOS142	POOJA PANDEY	Present
3	21IAMOS129	ASHWINI V	Absent	17	21IAMOS143	RAGHAVI K V	Present
4	21IAMOS130	B BRUNDA	Present	18	21IAMOS144	RAHUL E	Present
5	21IAMOS131	B PRIYANKA	Present	19	21IAMOS145	RAKSHA R	Present
6	21IAMOS132	B JASWANTH	Present	20	21IAMOS146	RANJITH KUMAR G S	Present
7	21IAMOS133	CHANDRAKALA L	Absent	21	21IAMOS147	RUKSANA S	Present
8	21IAMOS134	DIVYA R	Present	22	21IAMOS148	SANJOTA K PETKAR	Present
9	21IAMOS135	HARISH K R	Present	23	21IAMOS149	SHALINI M	Present
10	21IAMOS136	JOYCE MADALENE	Present	24	21IAMOS150	SHASHANK V	Present
11	21IAMOS137	KEERTHI VARMA	Absent	25	21IAMOS151	SHILPA S	Present
12	21IAMOS138	M P SANDHYA	Present	26	21IAMOS152	SIDRA KHOUSIN	Present
13	21IAMOS139	M MONALISHA	Present	27	21IAMOS153	SUKANYA DUTTA	Present
14	21IAMOS140	MONALISA S	Present	28	21IAMOS154	VAISHNAVI G	Present

Organizer: Dr. S. Anu Kiruthika

Program Coordinator : Dr. Malaiyarasa Pandian P

Program Coordinator - Microbiology

Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Science: Dr. H Ananda Vardhan

HEAD

Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal: Dr. N. Thilaka

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCE - MICROBIOLOGY
Students Feedback Report On Kinvaah Vineyards Pvt.Ltd. Industrial visit on 17.08.2023 at 12.30pm - 4.00pm

S. No	Timestamp	Email Address	Name of the Student	1. The Industrial visit was timely	2. The visit was well organized	3. The location selected was appropriate in	4. The visit was useful in strengthening research knowledge	5. Aims and objectives of the visit is as explained at the	6. A teacher accompanied the students.	7. The Resource Person / Scientist discussed subject	8. I recommend this field visit to be continued.	9. The overall grading of the Industrial visit	10. Any suggestion / comment about the visit
1	8/18/2023 16:46:03	raghav.21ismos143@iadc.ac.in	Raghav	Excellent	Excellent	Good	Excellent	Good	Excellent	Good	Agree	Excellent	It was a good experience
2	8/18/2023 16:47:27	bellavy.21ismos132@iadc.ac.in	Bellavy Joswanti	Good	Good	Good	Good	Good	Excellent	Good	Agree	Good	No
3	8/18/2023 16:49:35	rukshna.21ismos147@iadc.ac.in	Rukshna S	Excellent	Good	Excellent	Good	Good	Excellent	Excellent	Strongly Agree	Excellent	Overall the field trip was good and helped to attain more knowledge
4	8/18/2023 16:52:28	rtharakshat1010@gmail.com	Raksha R	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	It was a good industrial visit we got to know more about fermentation & wine technology
5	8/18/2023 17:01:48	sukanya.21ismos153@iadc.ac.in	Sukanya Datta	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	No
6	8/18/2023 17:21:28	joyce.21ismos136@iadc.ac.in	Joyce Madalene	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	It was a good industrial visit
7	8/18/2023 17:31:10	monalisapavada6362@gmail.com	Monalisa s	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Visit was good
8	8/18/2023 17:45:13	divya.21ismos134@iadc.ac.in	Divya R	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Very good
9	8/18/2023 18:08:49	anusha.21ismos128@iadc.ac.in	Anusha K P	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	It was good
10	8/18/2023 18:44:32	sandhya.21ismos138@iadc.ac.in	M. P. Sandhya	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	nil
11	8/18/2023 18:47:58	bangaragryankareddy9166@gmail.com	B Priyanka	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	No
12	8/18/2023 18:48:24	ram72369@gmail.com	Rahul E	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Satisfied
13	8/18/2023 18:50:54	ranjith.21ismos146@iadc.ac.in	Ranjith Kumar G S	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	No Comments
14	8/18/2023 18:51:16	alice.21ismos127@iadc.ac.in	Alice Sheba S	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Agree	Excellent	No
15	8/18/2023 18:52:08	shalini0712@gmail.com	Shalini M	Excellent	Good	Excellent	Excellent	Good	Excellent	Excellent	Strongly Agree	Good	The visit was useful
16	8/18/2023 18:55:05	sanjota.21ismos148@iadc.ac.in	Sanjota k petkar	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	No
17	8/18/2023 19:04:16	shilpa.21ismos151@iadc.ac.in	Shilpa s	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	NA
18	8/18/2023 19:04:37	sidda.21ismos152@iadc.ac.in	Sidda Khousin	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Agree	Good	The visit was useful and helped us to gain knowledge and was a nice overall learning
19	8/18/2023 19:06:24	Pooja.21AMOS142@iadc.ac.in	Pooja Pandey	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Everything was good
20	8/18/2023 19:08:31	pavanspavanikumarr36@gmail.com	Pavan kumar	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Good	Everything was good
21	8/18/2023 20:15:57	brunda.21ismos130@iadc.ac.in	B Brunda	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Agree	Excellent	It was good
22	8/18/2023 21:48:57	shshank.21ismos150@iadc.ac.in	Shshank V	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Good
23	8/18/2023 22:23:12	acharyasushnavi2001@gmail.com	Vaishnavi Acharya	Good	Good	Good	Good	Good	Good	Good	Agree	Good	No
24	8/19/2023 10:27:51	madani.21ismos139@iadc.ac.in	M Monalaha	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	It was good
25	8/19/2023 10:29:14	harish.21ismos135@iadc.ac.in	Harish K R	Good	Good	Good	Good	Good	Good	Good	Agree	Good	No

Organizer: Dr. S. Anu Kiruthika

Program Coordinator : Dr. Malalyarasa Pandian P

HOD Life Science: Dr. Hananda Yashwanth

Principal: Dr. N. Thilaka

Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

11.08.2023

From
Dr S. Anu Kiruthika,
Department of Life Science - Microbiology,
Indian Academy Degree College-Autonomous,
Bengaluru-560043.

To
The Principal,
Indian Academy Degree College-Autonomous,
Bengaluru-560043.

Respected Madam,

Sub: Requisition to grant permission to visit Biofertilizer company, Criyagen Agri & Biotech Pvt.Ltd. - reg.

With respect to the above subject, I would like to bring to your kind notice that as a part of the curriculum we would like to take our IV Semester M.Sc Microbiology students for an industrial visit to Biofertilizer company, Criyagen Agri & Biotech Pvt.Ltd., Gejjigadahalli, Bengaluru, Karnataka on 17th August 2023.

Kindly grant permission for the same.

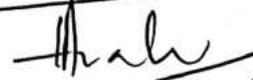
Thank you,

Yours Sincerely



Dr S. Anu Kiruthika.

Forwarded to Principal madam
for Approval



Forwarded to
Principal
11/8/23

please go ahead.
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43
12/8/2023



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCE - MICROBIOLOGY

MB/2023-24/01

CIRCULAR

11.08.2023

Department of Life Science - Microbiology is organizing an Industrial visit for IV Semester M.Sc Microbiology students on 17th August 2023 to Biofertilizer company, Criyagen Agri & Biotech Pvt.Ltd., Gejjigadahalli, Karnataka. The subject teachers of respective classes kindly permit them with attendance.

OBJECTIVES OF INDUSTRIAL VISIT

- To acquire the skill knowledge about the mass production of biofertilizer, biopesticides and physico chemical.
- To gain knowledge in the biological analysis of soil, water and plant extracts.

OUTCOME OF THE VISIT

The students

- Understand the complete physico chemical and biological analysis of soil, water and plant extracts.
- Gain knowledge in the mass production of biochemical fertilizer, biofertilizer, Phosphate rich organic manure (PROM) and biocontrol agents.

Students: IV Semester M.Sc Microbiology

Name of the Industry : Biofertilizer company, Criyagen Agri & Biotech Pvt.Ltd.Survey #71/5, 10th KM, Doddaballapur – Nelamangala, Karim Sonnenahalli, State Highway 74, Gejjigadahalli, Karnataka 561203.

Date/Day: 17.08.2023/Thursday

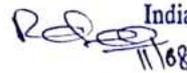
Departure Time : 9.00 A.M.

Arrival Time : 4:00 P.M.

Organizer: Dr. S. Anu Kiruthika



Program Coordinator : Dr. Malaiyarasa Pandian P



Program Coordinator - Microbiology
Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Science: Dr. H Ananda Vardhan



Principal: Dr. N. Thilaka



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



DEPARTMENT OF LIFE SCIENCE - MICROBIOLOGY

A Report on Industrial Visit

Place: Criyagen Agri & Biotech Pvt. Ltd. Bengaluru.

Date: 17.08.2023

Time: 10am – 12.00 noon

Target students: IV Semester M.Sc Microbiology

Name of the Resource Person: Dr. Bathina Poornesha, Senior scientist.

Aim of the Event: To gain knowledge in mass production of biofertilizer, biopesticides and in biological analysis of soil.

Objectives of Industrial visit:

- To acquire the skill knowledge about the mass production of biofertilizer, biopesticides and physico chemical.
- To gain knowledge in the biological analysis of soil, water and plant extracts.

Outcomes of Industrial visit:

The students

- Understand the complete physico chemical and biological analysis of soil, water and plant extracts.
- Gain knowledge in the mass production of biochemical fertilizer, biofertilizer, Phosphate rich organic manure (PROM) and biocontrol agents.

About the event:

Criyagen Agri & Biotech Pvt.Ltd. is located at Doddaballapur – Nelamangala State Highway, Bengaluru is pioneer in developing innovative products for comprehensive crop production. It is one of the largest producer of Bio-chemical fertilizer, Biofertilizer, PROM and Biocontrol agents. Their products are suitable for all cropping conditions around the world to improve crop productivity and soil health. Their products tailored/designed to produce more crop yield per unit area while improving the eco system and bringing sustainability to agriculture. The patent and flagship bio-chemical product is sought after by farmers for enhanced crop productivity and soil-plant health. They are working towards enterprising new ideas and taking them to domestic and global markets.

The production of bio-fertilizers, which are environmentally friendly alternatives to chemical fertilizers. The company is committed to promoting sustainable agricultural practices by providing farmers with organic and microbial-based solutions that enhance soil fertility and plant growth.

Production Process:

- 1. Microorganism Cultivation:** The visit began with an explanation of the microorganism cultivation process. Various beneficial microorganisms, such as nitrogen-fixing bacteria, phosphate-solubilizing bacteria, and mycorrhizal fungi, are cultured in controlled environments. These microorganisms play a vital role in enhancing nutrient availability to plants.
- 2. Fermentation:** The cultivated microorganisms are then transferred to fermentation tanks, where they undergo controlled fermentation. This process encourages the growth of beneficial metabolites and enzymes that contribute to plant growth.
- 3. Formulation:** After fermentation, the microbial biomass is formulated into different types of bio-fertilizer products, including liquid formulations, granules, and powders. Formulation techniques ensure that the microorganisms remain viable and effective during storage and application.
- 4. Quality Control:** The facility places a strong emphasis on quality control. Samples from each batch of bio-fertilizer are tested for microbial viability, nutrient content, and absence of harmful pathogens. This rigorous testing ensures that the end products meet high-quality standards.

Environmental Impact:

One of the highlights of the visit was the discussion on the environmental benefits of bio-fertilizers. Unlike chemical fertilizers that can lead to soil degradation and water pollution, bio-fertilizers improve soil structure, enhance nutrient cycling, and reduce the need for synthetic inputs. This aligns with the global push for sustainable agriculture and minimizes the negative impact on ecosystems.

Interaction with Experts:

The students had the privilege of interacting with the facility's microbiologists, production managers, and quality control experts. This provided them with valuable insights into the challenges and innovations within the bio-fertilizer industry.

Conclusion:

The industrial visit to Criyagen Agri & Biotech Pvt.Ltd. proved to be a highly enriching experience for the students. It deepened their understanding of sustainable agriculture, bio-fertilizer production processes, and the positive impact of such practices on the environment. The facility's commitment to quality, innovation, and environmental stewardship left a lasting impression on all participants.

The visit reinforced the importance of promoting and adopting eco-friendly agricultural practices, and the students departed with newfound enthusiasm to contribute to a more sustainable and resilient agricultural future.

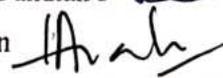
Organizer: Dr. S. Anu Kiruthika

Accompanied by: Dr. K. Sahithya

Program Coordinator : Dr. Malaiyarasa Pandian P

HOD Life Science: Dr. H Ananda Vardhan

Principal: Dr. N. Thilaka



Program Coordinator - Microbiology
Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Photographs

Place: Criyagen Agri & Biotech Pvt. Ltd. Bengaluru

Date: 17.08.2023

Time: 10am – 12.00noon

Target students: IV Semester M.Sc Microbiology



Organizer: Dr. S. Anu Kiruthika

S. Anu Kiruthika

Program Coordinator : Dr. Malaiyarasa Pandian P

Malaiyarasa Pandian P

HOD Life Science: Dr. H Ananda Vardhan

H Ananda Vardhan

Principal: Dr. N. Thilaka

Dr. N. Thilaka

Program Coordinator - Microbiology

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

HEAD

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

Attendance of Industrial visit

Place: Criyagen Agri & Biotech Pvt. Ltd. Bengaluru.

Date: 17.08.2023

Time: 10am – 12.00noon

Target students: IV Semester M.Sc Microbiology

S.No	Reg No	Students Name	Remarks	S.No	Reg No	Students Name	Remarks
1	21IAMOS127	ALICE SHEBA S	Present	15	21IAMOS141	PAVAN KUMARA	Present
2	21IAMOS128	ANUSHA K P	Present	16	21IAMOS142	POOJA PANDEY	Present
3	21IAMOS129	ASHWINI V	Absent	17	21IAMOS143	RAGHAVI K V	Present
4	21IAMOS130	B BRUNDA	Present	18	21IAMOS144	RAHUL E	Present
5	21IAMOS131	B PRIYANKA	Present	19	21IAMOS145	RAKSHA R	Present
6	21IAMOS132	B JASWANTH	Present	20	21IAMOS146	RANJITH KUMAR G S	Present
7	21IAMOS133	CHANDRAKALA L	Absent	21	21IAMOS147	RUKSANA S	Present
8	21IAMOS134	DIVYA R	Present	22	21IAMOS148	SANJOTA K PETKAR	Present
9	21IAMOS135	HARISH K R	Present	23	21IAMOS149	SHALINI M	Present
10	21IAMOS136	JOYCE MADALENE	Present	24	21IAMOS150	SHASHANK V	Present
11	21IAMOS137	KEERTHI VARMA	Absent	25	21IAMOS151	SHILPA S	Present
12	21IAMOS138	M P SANDHYA	Present	26	21IAMOS152	SIDRA KHOUSIN	Present
13	21IAMOS139	M MONALISHA	Present	27	21IAMOS153	SUKANYA DUTTA	Present
14	21IAMOS140	MONALISA S	Present	28	21IAMOS154	VAISHNAVI G	Present

Organizer: Dr. S. Anu Kiruthika



Program Coordinator - Microbiology
Department of Life Sciences

Program Coordinator : Dr. Malaiyarasa Pandian P



Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Science: Dr. H Ananda Vardhan



Principal: Dr. N. Thilaka



HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY Degree College - Autonomous

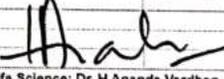
DEPARTMENT OF LIFE SCIENCE - MICROBIOLOGY

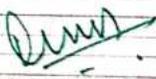
Students Feedback Report On Citysagen Agri & Biotech Pvt.Ltd. Industrial visit on 17.08.2023 at 10am - 12 noon

S.No	Timestamp	Email Address	Name of the Student	1. The Industrial visit was timely	2. The visit was well organized	3. The location selected was appropriate to meet the stated objectives	4. The visit was useful to strengthen research knowledge	5. Aims and objectives of the visit was explained at the	6. A teacher accompanied the students.	7. The Resource Person / Scientist discussed subject	8. I recommend this field visit to be continued.	9. The overall grading of the industrial visit.	10. Any suggestion / comment about the visit
1	8/18/2023 16:47:01	rghavi.21iamos143@iadc.ac.in	rghavi	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Good	Agree	Excellent	It was a great experience
2	8/18/2023 16:48:25	bellary.21iamos132@iadc.ac.in	Bellary Javvanth	Good	Good	Good	Good	Good	Good	Good	Agree	Good	No
3	8/18/2023 16:51:55	rukana.21iamos147@iadc.ac.in	Rukana S	Excellent	Excellent	Excellent	Good	Good	Excellent	Good	Strongly Agree	Excellent	Overall the industrial visit was good and helped to attain more knowledge about acid sample collection, fermentation and all
4	8/18/2023 17:02:40	rukanya.21iamos153@iadc.ac.in	Sukanya Dutta	Good	Excellent	Excellent	Good	Good	Excellent	Good	Strongly Agree	Good	No
5	8/18/2023 17:22:57	joyce.21iamos136@iadc.ac.in	Joyce Madalene	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	We learnt more about agricultural microbiology, thank you for this visit
6	8/18/2023 17:32:14	monalisagowda6362@gmail.com	Monalisa s	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	The visit was good
7	8/18/2023 18:45:17	sandhya.21iamos138@iadc.ac.in	M. P. Sandhya	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	nil
8	8/18/2023 18:49:04	bangarupenankarebsh916@gmail.com	B.Priyanka	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	No
9	8/18/2023 18:49:26	ram72369@gmail.com	Rahul E	Good	Good	Good	Good	Good	Good	Good	Agree	Good	Better
10	8/18/2023 18:52:25	altee.21iamos127@iadc.ac.in	Altee Sheba S	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Nil
11	8/18/2023 18:52:43	ranjith.21iamos146@iadc.ac.in	Ranjith Kumar G S	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	I would suggest that us getting an internship or IV with demo of testing the samples and others
12	8/18/2023 18:54:02	shalini0712@gmail.com	Shalini M	Good	Good	Excellent	Excellent	Excellent	Excellent	Good	Strongly Agree	Good	The visit was useful and great
13	8/18/2023 18:56:07	sanjota2@gmail.com	Sanjota k pekar	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	No
14	8/18/2023 19:01:40	amusha.21iamos128@iadc.ac.in	Amusha K P	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	It was good
15	8/18/2023 19:05:18	pooya.21iamos142@iadc.ac.in	POOJA PANDEY	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Everything was good
16	8/18/2023 19:06:33	sadra.21iamos152@iadc.ac.in	Sadra Khotuin	Good	Good	Good	Good	Excellent	Excellent	Good	Agree	Good	The visit was useful and helped us to gain knowledge.
17	8/18/2023 19:10:15	pavanpavankumar836@gmail.com	Pavan	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Everything was good
18	8/18/2023 19:11:36	shilpa.21iamos151@iadc.ac.in	Shilpa s	Good	Excellent	Excellent	Good	Good	Excellent	Good	Agree	Good	Good
19	8/18/2023 20:09:35	harish.21iamos135@iadc.ac.in	Harish K R	Good	Good	Good	Good	Good	Good	Excellent	Strongly Agree	Good	None
20	8/18/2023 20:16:40	brunda.21iamos130@iadc.ac.in	B Brunda	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Agree	Excellent	It was good
21	8/18/2023 21:50:19	shashank.21iamos150@iadc.ac.in	Shashank V	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	Good
22	8/18/2023 22:24:09	acharyaivaishnavi2001@gmail.com	Vaishnavi Acharya	Good	Good	Good	Good	Good	Excellent	Good	Strongly Agree	Excellent	Informative
23	8/19/2023 10:28:52	masdini.21iamos139@iadc.ac.in	M.Monalisa	Excellent	Excellent	Good	Excellent	Excellent	Good	Excellent	Strongly Agree	Excellent	It was good
24	8/19/2023 10:28:55	rathiraksha1010@gmail.com	Raksha R	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	It was good
25	8/23/2023 11:32:59	divya.21iamos134@iadc.ac.in	Divya R	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Strongly Agree	Excellent	It was a good and informative


Organizer: Dr. S. Anu Kruthika


Program Coordinator : Dr. Malayarasa Pandian P


HOD Life Science: Dr. H Ananda Vardhan


Principal: Dr. N. Thilaka

Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Invited speakers



Prof. Rajesh Thimmulappa, Professor,
JSS Academy of Higher Education
and Research, Mysuru, India

rajeshkt@jssuni.edu.in



Dr. Mithua Ghosh, Director, Clinical
Diagnostics, Health Care Global,
Bangalore, India

Mithuaghosh@hcgel.com



Dr. Divya Kumar, Assistant Professor,
JSS Academy of Higher Education
and Research, Mysuru, India

divyapkumar@jssuni.edu.in



Dr. Subba Rao V. Madhunapantula
Professor, JSS Academy of Higher
Education and Research, Mysuru, India

mvsstsubbarao@jssuni.edu.in



Dr. Prasanna Kumar, Associate
Professor, JSS Academy of Higher
Education and Research, Mysuru, India

prasannakumars@jssuni.edu.in



Dr. Vikas Bhuria, Walter Benjamin
Research Scientist, Otto-von-Guericke-
Universitat Magdeburg Germany

vikas.bhuria@med.ovgu.de

Chief Patron

Dr. T. Somasekhar, Chairman, IAET, Bengaluru

Organizing committee

Dr. N. Thilaka

Dr. B. S. Dwarakanath

Dr. Ananda Vardhan Hebbani

Dr. Vanitha Ramesh

Prof. P. Rajarajan

Dr. Paramesh Hanumanthiah

Dr. Sangeetha Annie George

Dr. Malaiyarasa Pandian

INDIAN ACADEMY

Degree College - Autonomous



Indian Academy Degree College - Autonomous

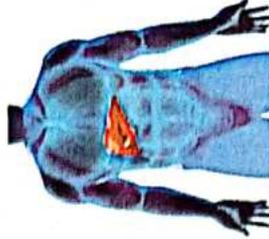
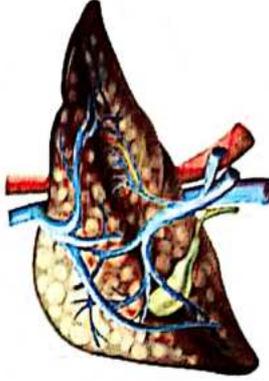
&

JSS Academy of Higher Education & Research

Symposium

LIVER DISEASES AND CANCER

New Insights and Therapeutic Strategies



INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Hennur Cross, Kalyan Nagar
Bangalore - 43.

Monday, 3rd July 2023
10:00 am to 03:30 pm



Seminar Hall - II

www.iadc.ac.in

☎ 080674 58900

f @ | indianacademy



ON Liver Diseases and Cancer: New Insights and Therapeutic Targets

03 July 2023 Venue: Seminar Hall - II, IADC-A

Scientific program

08:45 AM – 09:20 AM		Registration	
09:20 AM – 09:25 AM	Invocation College Anthem	Ms. Sarika, IADC-A, Bengaluru, India	
09:25 AM – 09:30 AM	Lighting of the lamp	All dignitaries	
09:30 AM – 09:35 AM	Welcome address	Dr. N. Thiaka, Principal, IADC-A, Bengaluru, India	
09:35 AM – 09:40 AM	Opening Remarks	Dr. T. Somasekhara, Chairman, IAET, Bengaluru, India	
09:40 AM – 09:45 AM	Introduction to the symposium	Dr. Bilikere S Dwarakanath, IADC-A, Bengaluru, India	
09:45 AM – 10:10 AM	Inaugural address	Dr. Ajaikumar, Executive Chairman, Health Care Global Enterprises Ltd., Bengaluru, India	
	Felicitation of the distinguished guest		
10:10 AM – 10:40 AM	Metabolic Mayhem: Deciphering Molecular Mechanisms of NAFLD	Dr. Divya Kumar, JSS AHER Mysuru, India	
10:40 AM – 11:10 AM	Human Papillomavirus modulate NRF2 signaling in Head & Neck cancers: Biomarker for patient prognosis and de-escalation therapy	Prof. Rajesh Thimmulappa, JSS AHER, Mysuru, India	
11:10 PM – 11:15 AM	Vote of thanks	Dr. Malaiyarasa Pandian, IADC-A, Bengaluru, India	
11:15 AM – 11:30 AM	Coffee / Tea		
11:30 AM – 12:00 Noon	Hepatocellular Carcinoma and its Preventive and therapeutic strategies	Dr. Prasanna Kumar JSS AHER, Mysuru, India	
12:00 Noon – 12:30 PM	Hedgehog signaling in cholangio-carcinoma: Implications for therapy	Dr. Vikas Bhuria, Otto-von-Guericke-Universitat Magdeburg, Germany	
12:30 PM – 13:00 PM	Role of molecular bio markers in the management of cancer	Dr. Mithua Ghosh, Health Care Global, Bengaluru, India	
13:00 PM – 13:30 PM	Millet derived molecules in the management of malignant tumor	Dr. Subba Rao V. Madhunapantula JSS AHER, Mysuru, India	
13:30 PM – 14:15 PM	Lunch		
14:15 PM – 14:25 PM	Way forward for fostering collaborative research in Life Sciences	Dr. Karmam S. Murthy VCWU, Virginia, USA Dr. K. S. Jagannatha Rao, KL Deemed University, AP, India Dr. Matcha Bhaskar, SV University, Tirupathi, AP, India	
14:25 PM – 14:35 PM	Biosciences Research (or Interdisciplinary Research) at JSS AHER and opportunities for collaboration	Dr. Subba Rao V. Madhunapantula, JSS AHER, Mysuru, India	
14:35 PM – 14:45 PM	Research in Life Sciences at IADC-A and opportunities for collaboration	Dr. Ananda Vardhan, IADC-A, Bengaluru, India	
14:45 PM – 15:15 PM	Discussions on potential areas of collaboration and approaches to pursue		
15:15 PM – 15:20 PM	Concluding remarks		
		Dr. T. Somasekhara, Chairman, IAET, Bengaluru, India	

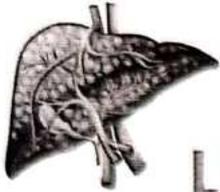
INDIAN ACADEMY
Degree College - Autonomous



Indian Academy Degree College - Autonomous

&

JSS Academy of Higher Education & Research



Symposium



Liver Diseases and Cancer

New Insights and Therapeutic Strategies

Exposure to physical and chemical agents in the environment, lifestyle, genetic factors, infection, and sustained inflammation, and hormonal imbalances are among several factors that contribute to the development of cancer, including liver malignancy with poor outcomes. Alterations in the signaling pathways, reprogramming of the tumor metabolism, and status of the tumor microenvironment and immune status determine the behavior of tumors, including responses to a variety of therapies. Biological mechanisms underlying progression from fatty liver condition to malignancy and identification of biomarkers of prognosis as well as therapeutic targets for effective therapies are currently under intense investigation. This symposium brings together experts in the areas of biology of liver disorders including malignancy, aberrant signaling, and emerging biomarkers of liver diseases and cancer for diagnosis and therapy. The symposium comprises of invited lectures and interactive sessions between experts and participants interested in specific areas that aim to facilitate collaborative research in many areas of liver diseases and liver cancer.



Monday, 3rd July 2023



10:00 AM to 03:30 PM

Click the link for registration - <https://forms.gle/6fxfEomGpWX9epgq5>

(or)

For any further clarifications contact: Prof. Rajarajan P: 9886083275

Scan For
Registration



Invited Speakers



Dr. Subba Rao V. Madhunapantula
Professor, JSS Academy of Higher Education and Research, Mysuru, India.

Millet derived molecules in the management of malignant tumors



Prof. Rajesh Thimmulappa,
Professor, JSS Academy of Higher Education and Research, Mysuru, India

Human Papillomavirus modulate NRF2 signaling in Head & Neck cancers: Biomarker for patient prognosis and de-escalation therapy



Dr. Prasanna Kumar,
Associate Professor, JSS Academy of Higher Education and Research, Mysuru, India.

Hepatocellular Carcinoma and its Preventive and therapeutic strategies



Dr. Mithua Ghosh,
Director, Clinical Diagnostics, Health Care Global, Bangalore, India

Role of molecular bio-markers in the management of cancer



Dr. Vikas Bhuria,
Walter Benjamin Research Scientist, Otto-von-Guericke-Universitat Magdeburg Germany.

Hedgehog signaling in cholangiocarcinoma: Implications for therapy



Dr. Divya Kumar,
Assistant Professor, JSS Academy of Higher Education and Research, Mysuru, India

Metabolic Mayhem: Deciphering Molecular Mechanisms of Non-Alcoholic Fatty Liver Disease

IADC-A Organizing
Committee

Dr. N. Thilaka
Dr. B. S. Dwarakanath
Dr. Ananda Vardhan Hebbani
Dr. Vanitha Ramesh

Prof. P. Rajarajan
Dr. Paramesh Hanumanthiah
Dr. Sangeetha Annie George
Dr. Malaiyarasa Pandian



IADCA – JSS AHER Symposium

on

Liver Diseases and Cancer: New Insights and Therapeutic Targets

03 July 2023

Venue: Seminar Hall II, IADC-A

Scientific Program

Registration	
08:45 AM – 09:20 AM	Ms. Sarika, IADC-A
09:20 AM – 09:25 AM	All dignitaries
09:25 AM – 09:30 AM	Dr. N. Tilaka, Principal, IADC-A, Bangalore, India
09:30 AM – 09:35 AM	Dr. T. Somashekar, Chairman, IADC-A, Bangalore, India
09:35 AM – 09:40 AM	Dr. Bilikere S Dwarakanath IADC-A, Bangalore, India
09:40 AM – 09:45 AM	Dr. Ajaikumar, Executive Chairman, Health Care Global Enterprises Ltd., Bengaluru
09:45 AM – 10:10 AM	Dr. Divya Kumar, JSS AHER Mysuru
10:10 AM – 10:40 AM	Prof. Rajesh Thimmulappa, JSS AHER, Mysuru
10:40 AM – 11:10 AM	Dr. Malaiyarasa Pandian, IADC- A, Bangalore, India
11:10 PM – 11:15 AM	
11:15 AM – 11:30 AM	COFFEE / TEA
11:30 AM – 12:00 Noon	Dr. Prasanna Kumar JSS AHER, Mysuru
12:00 Noon – 12:30 PM	Dr. Vikas Bhuria, Otto-von- Guericke-Universitat Magdeburg, Germany
12:30 PM – 13:00 PM	Dr. Mitua Gosh, Health Care

13:00 PM – 13:30 PM	management of cancer Millet derived molecules in the management of malignant tumor	Global, Bangalore Dr. Subba Rao V. Madhunapantula JSS AHER, Mysuru
13:30 PM – 14:15 PM	Lunch	
14:15 PM – 14:25 PM	Way forward for fostering collaborative research in Life Sciences	Dr. Karnam S. Murthy VCWU, Virginia, USA Dr. K. S. Jagannatha Rao, KL Education Foundation (deemed to be) University, Vaddeshwaram, AP, India
14:25 PM – 14:35 PM	Biosciences Research (or Interdisciplinary Research) at JSS AHER and opportunities for collaboration	Dr. Subba Rao V. Madhunapantula, JSS AHER, Mysuru
14:35 PM – 14:45 PM	Research in Life Sciences at IADC-A and opportunities for collaboration	Dr. Ananda Vardhan, IADC-A, Bangalore, India
14:45 PM – 15:15 PM	Discussions on potential areas of collaboration and approaches to pursue	
15:15 PM – 15:20 PM	Concluding remarks	Dr. T. Somashekar, Chairman, IADC-A, Bangalore, India

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES

Date: 17-6-2023

To,

The Principal,
Indian Academy Degree College-Autonomous,
Bangalore-43

Subject: Permission to conduct a Symposium "LIVER DISEASES AND CANCER: NEW INSIGHTS AND THERAPEUTIC TARGETS" on 3rd July 2023

Respected Madam,
The Department of Life Sciences would like to organize a Symposium on "LIVER DISEASES AND CANCER: NEW INSIGHTS AND THERAPEUTIC TARGETS", in association with JSS Academy of Higher Education and Research (JSS AHER), Mysuru, on 3rd July 2023 for all UG and PG Life Science students and faculty of IADCA and other institutions. The symposium will be held from 10.00am to 3.30pm with multiple session, in Seminar Hall II.

I request you to kindly permit us to have the Symposium in Seminar Hall II.

Kind regards,


Dr. Ananda Vardhan. H.

HOD-Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Date: 3-7-2023

Time: 10.00 am - 3.30 pm

Venue: Seminar Hall II


Dr. B.S. Dwarakanath

Research Advisor


Dr. N. Thilaka

Principal
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES

Date: 17-6-2023

CIRCULAR

The Department of Life Sciences is organizing a Symposium on "LIVER DISEASES AND CANCER: NEW INSIGHTS AND THERAPEUTIC TARGETS", in association with JSS Academy of Higher Education and Research (JSS AHER), Mysuru, on 3rd July 2023 in Seminar Hall II, for all UG and PG Life Science students and faculty of IADCA and other institutions.

About the symposium:

This symposium brings together experts in the areas of biology of liver disorders including malignancy, aberrant signaling, and emergent biomarkers of liver diseases and cancer for diagnosis and therapy. The symposium comprises of invited lectures and interactive sessions between experts and participants interested in specific areas that aim to facilitate collaborative research in many areas of liver diseases and liver cancer.

Speakers	Topic	Venue
1. Prof. Rajesh Thimmulappa Professor, JSS AHER, Mysuru 2. Dr. Divya Kumar Assistant Professor, JSS AHER, Mysuru 3. Dr. Prasanna Kumar Associate Professor, JSS AHER, Mysuru 4. Dr. Vikas Bhuria Walter Benjamin Research Scientist, Otto- von-Guericke-Universitat Magdeburg, Germany 5. Dr. Mithua Ghosh Director, Clonical Diagnostics, Health Care Global, Bangalore 6. Dr. Subba Rao V. Madhunapantula Professor, JSS AHER, Mysuru	Symposium on "LIVER DISEASES AND CANCER: NEW INSIGHTS AND THERAPEUTIC TARGETS"	Seminar Hall II

Objectives of the symposium:

The objectives of this symposium are for participants to

- Gather experts involved in the research and diagnosis of liver diseases in an interactive conference setting
- Discuss the diagnostic, therapeutic, and preventative efforts of liver disease and liver cancer
- Facilitate a dialogue among participants through interactive networking and fostering interdisciplinary partnerships and collaborations among various researchers

Outcomes of the symposium:

Upon attending this symposium, participants are expected to be able to

- Develop awareness of the research, investigations and evolving systems of diagnosis and treatment of liver disease and cancer
- Explore research base and knowledge base in the field of liver disease and cancer with the aid of basic and applied researchers
- Establish a platform for industry and academic interactions for partnerships and collaborations


Dr. Ananda Vardhan. H.

HOD-Life Sciences

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Dr. B.S. Dwarakanath

Research Advisor



Dr. N. Thilaka

Principal

PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

DEPARTMENT OF LIFE SCIENCES

IADCA – JSS AHER Symposium

on

Liver Diseases and Cancer: New Insights and Therapeutic Targets

03 July 2023

- Title of the Event:** IADCA – JSS AHER Symposium on “Liver Diseases and Cancer: New Insights and Therapeutic Targets”
- Organized by:** Department of Life Sciences, IADCA in association with JSS Academy of Higher Education and Research (JSS AHER), Mysuru.
- Venue:** Seminar Hall II, IADCA
- Date:** 3 July 2023
- Time:** 10.00am to 3.30pm
- Target audience:** UG/PG students and faculty of IADCA and other institutions
- Name of the Resource Person/s:**
 - Prof. Rajesh Thimmulappa
Professor, JSS AHER, Mysuru
Topic: Human Papillomavirus modulate NRF2 signaling in Head & Neck cancers: Biomarker for patient prognosis and de-escalation therapy
 - Dr. Divya Kumar
Assistant Professor, JSS AHER, Mysuru
Topic: Metabolic Mayhem: Deciphering Molecular Mechanisms of Non-Alcoholic Fatty Liver Disease
 - Dr. Prasanna Kumar
Associate Professor, JSS AHER, Mysuru
Topic: Hepatocellular Carcinoma and its Preventive and therapeutic strategies
 - Dr. Vikas Bhuria
Walter Benjamin Research Scientist, Otto-von-Guericke-Universitat Magdeburg, Germany
Topic: Hedgehog signaling in cholangio-carcinoma: Implications for therapy
 - Dr. Mithua Ghosh
Director, Clonical Diagnostics, Health Care Global, Bangalore

Topic: Role of molecular bio markers in the management of cancer

Dr. Subba Rao V. Madhunapantula

Professor, JSS AHER, Mysuru

Topic: Millet derived molecules in the management of malignant tumor

Broad Aim of the Event:

Exposure to physical and chemical agents in the environment, lifestyle, genetic factors, infection and sustained inflammation, and hormonal imbalances are among several factors that contribute to the development of cancer, including liver malignancy with poor outcomes. Alterations in the signaling pathways, reprogramming of the tumor metabolism, and status of the tumor microenvironment and immune status determine the behavior of tumors, including responses to a variety of therapies. Biological mechanisms underlying progression from fatty liver condition to malignancy and identification of bio-markers of prognosis as well as therapeutic targets for effective therapies are currently under intense investigation.

This symposium brings together experts in the areas of biology of liver disorders including malignancy, aberrant signaling, and emergent biomarkers of liver diseases and cancer for diagnosis and therapy. The symposium comprises of invited lectures and interactive sessions between experts and participants interested in specific areas that aim to facilitate collaborative research in many areas of liver diseases and liver cancer.

9. Objectives of the symposium:

The objectives of this symposium are for participants to

- Gather experts involved in the research and diagnosis of liver diseases in an interactive conference setting
- Discuss the diagnostic, therapeutic, and preventative efforts of liver disease and liver cancer
- Facilitate a dialogue among participants through interactive networking and fostering interdisciplinary partnerships and collaborations among various researchers

10. Outcomes of the symposium:

Upon attending this symposium, participants are expected to be able to

- Develop awareness of the research, investigations and evolving systems of diagnosis and treatment of liver disease and cancer
- Explore research base and knowledge base in the field of liver disease and cancer with the aid of basic and applied researchers
- Establish a platform for industry and academic interactions for partnerships and collaborations

Brief details about the event:

day-long symposium on "Liver Diseases and Cancer: New Insights and Therapeutic Targets", organized by the Department of Life Sciences, IADCA, in association with JSS Academy of Higher Education and Research (JSS AHER), Mysuru. The symposium was conducted in Seminar Hall II, IADCA on 3 July 2023, from 10.00am to 3.30pm. UG/PG life science students and faculty of IADCA and other institutions attended the program.

Liver cancer is the second most lethal tumour with a 5-year survival rate less than 20%. It comprises mainly two clinical subtypes, HCC and intrahepatic cholangiocarcinoma (iCCA). Chronic infection with hepatitis B or C virus and alcohol abuse are major risk factors for liver cancer. Fatty liver diseases, including non-alcoholic fatty liver disease (NAFLD) and alcoholic-associated liver disease (ALD), have become major health concerns worldwide, affecting millions of people. Both NAFLD and ALD can progress to liver fibrosis, cirrhosis and ultimately hepatocellular carcinoma (HCC), a primary liver cancer with a poor prognosis. Different aetiological factors may drive tumourigenesis and tumour progression through distinct molecular mechanisms. Over the past decade, significant progress has been made in understanding the pathogenesis of fatty liver diseases and liver cancer. This progress has led to the identification of novel therapeutic targets for the prevention and treatment of these diseases. In the symposium, eminent researchers discussed recent insights into the pathogenesis of fatty liver diseases and liver cancer, as well as the therapeutic targets that have emerged from these studies.

The Symposium provided a state-of-the-art update and scientific exchange on prevalent liver diseases using a multi-disciplinary approach. The scientific programme provided delegates with an experience dedicated to basic, translational, and clinical studies on hepatocellular carcinoma (HCC), cholangiocarcinoma (CCA), and other liver conditions. About six experts in the field were a part of the symposium, both basic and clinical investigators interested in the molecular and cellular mechanisms underlying liver metabolism, signaling and organ crosstalk to enhance the development of translational approaches to treating various liver diseases.

During the symposium, opening remarks by Dr. T. Somashekar, Respected Chairman, IAGI, was followed by introduction to the symposium by Dr. Bilikere S Dwarakanath, Research Advisor, IADCA. The inaugural address for the symposium was delivered by Dr. Ajaikumar, Executive Chairman, Health Care Global Enterprises Ltd., Bengaluru.

The first talk of the day was from Dr. Divya Kumar, JSS AHER, in which molecular mechanisms of non-alcoholic fatty liver disease were highlighted. Signalling pathways and their utilization as biomarkers for prognosis in head and neck cancers was the topic of the lecture delivered by Prof. Rajesh Thimmulappa, JSS AHER, Mysuru. This was followed by preventive and therapeutic strategies for hepatocellular carcinoma by Dr. Prasanna Kumar, JSS AHER, Mysuru. Management of malignant tumor using millets was stresses upon by Dr. Subba Rao V. Madhunapantula of JSS AHER. Hedgehog signaling in cholangio-carcinoma was discussed by Dr. Vikas Bhuria, Otto-von-Guericke-Universitat Magdeburg,

Germany. Dr. Mithua Ghosh of Health Care Global, Bangalore talked about molecular biomarkers in the management of cancer.

At the end of the symposium, bioscience research at JSS AHER and opportunities for collaboration was highlighted by Dr. Subba Rao V. Madhupantula, JSS AHER. Similarly research in life sciences at IADC-A and opportunities for collaboration was highlighted by Dr. Ananda Vardhan, HOD of Life Sciences. The last session of the day was discussions on potential areas of collaboration and approaches to pursue interdisciplinary joint research by faculty of JSS AHER and faculty of life sciences, IADCA.

12. Photographs



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES

IADCA – JSS AHER Symposium

on

Liver Diseases and Cancer: New Insights and Therapeutic Targets

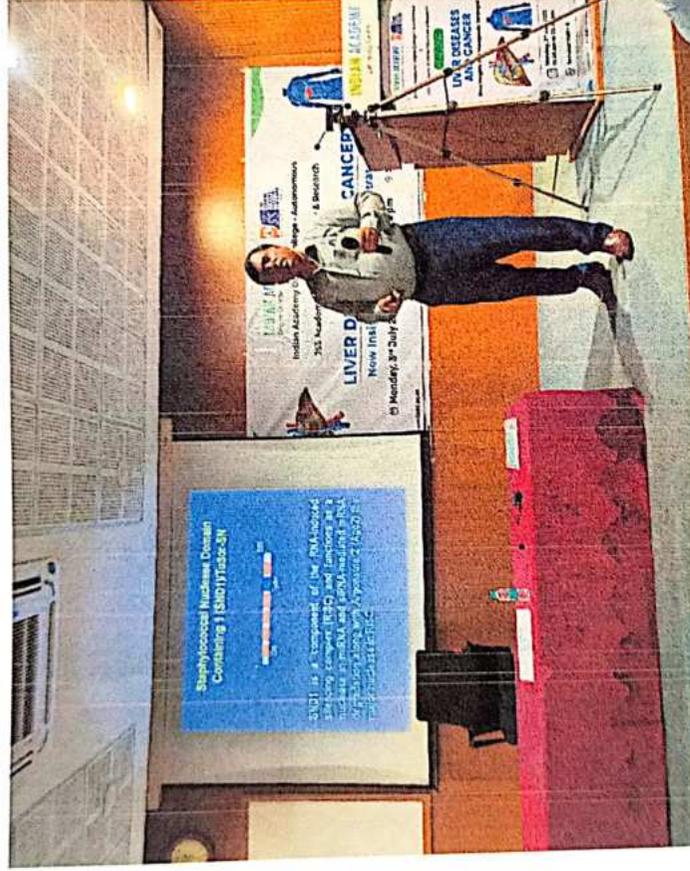
03 July 2023

Photographs



INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Analy

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Princy

PRINCIPAL,
INDIAN ACADEMY DEGREE COLLEGE,
AUTONOMOUS
HENNUR MAIN ROAD,
BENGALURU



Principals

PRINCIPAL,
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

Aradhya

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Principals

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 03

Aravind

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES

IADCA – JSS AHER Symposium on

Liver Diseases and Cancer: New Insights and Therapeutic Targets

03 July 2023

SPEAKER PROFILES

Prasanna K. Santhekadur, MSc, Ph.D.

Associate Professor, Department of Bio-Chemistry, JSS Medical College, Mysore

Publications 93 and Citations 2,176

My current research work is primarily focused on understanding the molecular basis of development and pathogenesis of Diet and obesity induced Nonalcoholic fatty liver disease (NAFLD) and Hepatocellular Carcinoma (HCC).

Skills and Expertise - Liver Diseases, Metabolism, Signaling Pathways, Cancer Biology, Metastasis, Cell Signaling, Cancer Research

Additional affiliations

- January 2019 – present Professor (Associate)
Department of Biochemistry, Center of excellence in Molecular Biology & Regenerative Medicine, JSS Medical College, JSS Academy of Higher Education and Research, Mysore, India
- June 2015 - March 2018
Professor (Assistant), Richmond VA Medical Center, Internal Medicine, United States
- March 2014 - May 2015, Postdoctoral Researcher, Baylor Institute for Immunology Research, Baylor Health Care System, Baylor Charles A. Sammons Cancer Center, Dallas, United States

Education

- November 2003 - April 2009 University of Mysore
Field of study Angiogenesis and Apoptosis



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bangalore - 43.

Dr. Divya P. Kumar

Associate Professor, Department of Biochemistry, JSS Medical College and Hospital

Principal Investigator: Liver Metabolism & Diseases Group

Member: INYAS-INSA

Education

- Virginia Commonwealth University School of Medicine
Doctor of Philosophy (Ph.D.), Metabolic Functions of Bile Acids- Role in Diabetes (2011 - 2014)
- University of Mysore
Master of Science (M.Sc.), Biotechnology (2005 - 2007)
- St.Philomena's College , Bannimantap
Bachelor of Science (BSc), BBM (Botany, Biochemistry, Microbiology) 2002 - 2005

Experience

- JSS Medical College, Mysore, Full-time · 5 yrs 4 mos
- Associate Professor - May 2024 – Present
- Assistant Professor - Feb 2019 - Apr 2024
- Editorial
 - Editorial Board Member (Scientific Reports - Jan 2024 - Present)
 - Associate Editor (Frontiers - Sep 2020 - Present · 3 yrs 9 mos)
 - Junior Editorial Board Member (Hepatoma Research · Full-time Jan 2021 - Present · 3 yrs 5 mos)
 - Editorial Board Member (Journal of Clinical and Translational Hepatology Mar 2022 - Present · 2 yrs 3 mos)

Honors & awards

- Research Excellence Award (Issued by JSS Medical College · Mar 2024)
- Member: Indian National Young Academy of Science (INYAS_INSA) (Issued by Indian National Young Academy of Science (INYAS-INSA) · Jan 2024)
- Guideship (Issued by Science Academies (IASc, INSA, NASI) Summer Research Fellowship Program for Students and Teachers · Aug 2023)
- Ramalingaswami Re-entry Fellowship (Issued by Department of Biotechnology · Nov 2018)
- Satu Somani Junior Investigator Award (Issued by Association of Scientists of India Origin in America (ASIOA) · Jan 2016)

Dr. Subba Rao V. Madhunapantula

Professor, JSS AHER, Mysuru

About:

Professor at CEMR, Department of Biochemistry, JSS Medical College, JSS University, Mysuru - 570015, Karnataka

A researcher working in the area of cancer biology and targeted therapeutics.

Objectives: To develop effective and safe small molecule inhibitors for treating cancers of breast, lung and colon and rectum

Experience

- CEMR, Department of Biochemistry, JSS Medical College, JSS University, Mysuru - 570015, Karnataka Professor (Aug 2016 - Present · 7 yrs 10 mos)
Research on cancers with primary focus on developing naturally occurring anti-cancer agents for treating breast, colon and rectum and lung cancers
- Associate Professor (Jun 2011 - Jul 2016 · 5 yrs 2 mos)
Biomedical Research in JSS Medical College primarily focussing on carcinomas of breast, lung and colon and rectum
- Associate Professor, JSS College, 2011 - 2016 · 5 yrs
- Research Associate Penn State Hershey Cancer Institute (Nov 2009 - Apr 2011 · 1 yr 6 mos)

Education

- Penn State University
Post Doctoral Fellowship, Oncology and Cancer Biology (2002 - 2011)

Dr. Vikas Bhuria

Walter Benjamin Research Scientist, Otto-von-Guericke-Universität Magdeburg, Germany

Experience

- Universitätsmedizin Magdeburg, Magdeburg, Saxony-Anhalt, Germany (Full-time · 4 yrs 1 mo)
Scientist (Walter Benjamin Position), Jul 2022 - Present · 1 yr 11 mos
Scientist (May 2020 - Jun 2022 · 2 yrs 2 mos)
- Research Assistant
Hospital of the university of Tübingen, Germany · Part-time (Feb 2016 - Jul 2020 · 4 yrs 6 mos)
- Research Assistant
INMAS, Defence Research and Development Organization (DRDO), New Delhi, India
Jun 2013 - Dec 2015 · 2 yrs 7 mos

Education

- University of Tübingen
Doctor of Philosophy - PhD, Experimental Medicine (Oct 2016 - Jul 2020)
- VIT_Vellore Institute of Technology
Master's degree (Biomedical Genetics) 2011 - 2013

Projects

- A mechanistic study on thrombus formation in JAK2 V617F and CALR mutated chronic myeloproliferative neoplasia (MPN) patients
Jul 2022 – Present Associated with Universitätsmedizin Magdeburg
- A proteomic study on adhesion molecules in JAK2-V617F and CALR mutated chronic myeloproliferative neoplasia (MPN) patients
Apr 2021 – Present Associated with Universitätsmedizin Magdeburg

Dr. Mithua Ghosh

Director - Clinical Diagnostics & HOD- Molecular and Clinical Genomics, Bengaluru
Triesta Sciences, Health Care Global Enterprises

About

Over twenty years experience as cell and molecular biologist with expertise in fields of cancer biology, RNAi, stem cells, assay development and DNA microarray based technologies. Strategy development including planning and directing R&D. Supervisory experience in the design and implementation of research.

Primary liaison with investigators and collaborators at academic institutes for initiation, execution and management of the academia-industry projects.

A versatile and skilled professional with exceptional leadership qualities, organizational with refined business acumen and exemplary people skill.

Specialties: Cell and Molecular Biology, Cancer Biology, RNAi , Stem cells. Target identification and validation for drug discovery.

Experience

- Director- Clinical Diagnostics, HOD- Molecular and Clinical Genomics, Bengaluru
Triesta Sciences, Health Care Global Enterprises · Full-time (Oct 2021 - Present · 2 yrs 8 mos)
- Director- Clinical Diagnostics, Strand Life Sciences
Jan 2018 - Oct 2021 · 3 yrs 10 mos
- Director - Research & Development, Triesta Sciences, Bangalore, India
Oct 2012 - Oct 2021 · 9 yrs 1 mo
- Group Leader - Jubilant Biosys
Mar 2010 - Oct 2012 · 2 yrs 8 mos
- Manager, Business Development - Syngene International Ltd.
Oct 2009 - Feb 2010 · 5 mos
- Senior Manager, R&D - Bangalore Genei
May 2007 - Oct 2009 · 2 yrs 6 mos
- Post-doctoral Research Associate - Terry Fox laboratory. British Columbia Cancer Research
Centre, Vancouver, BC, Canada (2005-2007, 2 yrs)

Education

- Terry Fox laboratories (Post Doc, Cancer Biology 2005 - 2007)
- Wright State University (Post Doc, Molecular Biology 2001 - 2005)

INDIAN ACADEMY

Degree College - Autonomous

IADCA – JSS AHER Symposium 03 July 2023

Liver Diseases and Cancer: New Insights and Therapeutic Targets

ATTENDANCE

S.No.	Name of the Participant	Faculty/Student	Organization
1	Dr N S Venkatesh	Faculty	IADC-A
2	Nandini.B.N	Faculty	IADC-A
3	Mrs Cynthia kasi	Faculty	IADC-A
4	Dr. Ramachandra Murthy TTS	Faculty	IADC-A
5	Mrs.Dilshad Begum	Faculty	IADC-A
6	Dr. Monika Bajpai	Faculty	IADC-A
7	Mrs. Kashma N B	Faculty	IADC-A
8	Dr.Ananda Vardhan Hebbani	Faculty	IADC-A
9	Ms. Sowmya Patkar G.	Faculty	IADC-A
10	Dr.Vanitha G Ramesh	Faculty	IADC-A
11	Ms. Monisha Iyappan	Faculty	IADC-A
12	Dr. MOHAMMED RAFIQKHAN K	Faculty	IADC-A
13	Dr. Suma T.K.	Faculty	IADC-A
14	Dr. Shubha Rajiv	Faculty	IADC-A
15	Mr.Sudhakar Malla	Faculty	IADC-A
16	Ms.Latha.V	Faculty	IADC-A
17	Dr. Divya	Faculty	IADC-A
18	Dr. S. Anu Kiruthika	Faculty	IADC-A
19	Dr.Malaiyarasa Pandian	Faculty	IADC-A
20	Dr. Paramesh H	Faculty	IADC-A
21	Dr. Sahithya K	Faculty	IADC-A
22	Dr. PUSHPA REDDY	Faculty	IADC-A
23	Dr.Sangeetha Annie George	Faculty	IADC-A
24	Dr. Erumalla Venkata Nagaraju	Faculty	IADC-A
25	Dr.K.Shyam Sunder.K	Faculty	IADC-A
26	Chaitra Shree MN	PG Student	IADC-A
27	Nithin kumar C V	PG Student	IADC-A
28	Mr.Deeven kumar	PG Student	IADC-A
29	Swathi M	PG Student	IADC-A
30	Sara salomo	PG Student	IADC-A
31	Pallavi N	PG Student	IADC-A
32	SURYA S	PG Student	IADCA
33	Sweta.M	PG Student	IADC -A
34	Ms Padmashree A	PG Student	IADC-A
35	Aimen	PG Student	IADC-A
36	Nithya k r	PG Student	IADC-A
37	Soniya K M	PG Student	IADC-A
38	Mr. Nikhil	PG Student	IADC-A
39	Mr. R R vijay kumar	PG Student	IADC-A
40	Padmashree A	PG Student	IADC-A
41	B.Priyanka	PG Student	IADC-A
42	Navya GN	PG Student	IADC-A
43	Sushmita Dinesh	PG Student	IADC-A
44	Mr Nihar G	PG Student	IADCA
45	Grace Peniel A Raju	PG Student	IADC-A

46	B S LIKITH KUMAR		PG Student	IADC-A
47	Chandrakala L		PG Student	IADC-A
48	Ms. Anusha K P		PG Student	IADC-A
49	Nithin S		PG Student	IADC-A
50	Mr . Manoj . N		PG Student	IADC-A
51	Miss.Govardhini.K		PG Student	IADC-A
52	Kavya shree		PG Student	IADC-A
53	Mallepalli lokesh		PG Student	IADC-A
54	Veena.N		PG Student	IADC-A
55	Ms. Vaishnavi Ganapati Acharya		PG Student	IADC-A
56	Ms. Shalini M		PG Student	IADC-A
57	Kevin Sabu		PG Student	IADC-A
58	Karne Navya Jyothi		PG Student	IADC-A
59	Chandan p		PG Student	IADC-A
60	Jaswanth		PG Student	IADC-A
61	Ms.Pankhi Borah		PG Student	IADC-A
62	Mr.Jonnakuti Bhanu Sagar		PG Student	IADC-A
63	Divya.R		PG Student	IADC-A
64	Gowtham.S.S		PG Student	IADC-A
65	Ms.Bismi babu		PG Student	IADC-A
66	Souvik Bhunia		PG Student	IADC-A
67	Harshitha NR		PG Student	IADC-A
68	Varun KM		PG Student	IADC-A
69	Maria Preethi		PG Student	IADC-A
70	Pooja Pandey		PG Student	IADC-A
71	Ms.Ruksana S		PG Student	IADC-A
72	Ms.Alice Sheba S		PG Student	IADC-A
73	Mr Sanjay H R		PG Student	IADC-A
74	Pavan kumar A		PG Student	IADC-A
75	Ms Inchara R		PG Student	IADC-A
76	Sneha manna		PG Student	IADC-A
77	Mr. Chethan L		PG Student	IADC-A
78	Ms.JOYCE MADALENE		PG Student	IADC-A
79	Ms.Riya Bhunia		PG Student	IADC-A
80	Ms. Aishwarya Gopinarendra Pathak		PG Student	IADC-A
81	Ms. Hajira Fathima		PG Student	IADC-A
82	Ms.Ami Baldaniya		PG Student	IADC-A
83	Mr Neeraj Krishna V R		PG Student	IADC-A
84	Gowtham.GV		PG Student	IADC-A
85	Mr. PruthviRaj R		PG Student	IADC-A
86	Reshma RN		PG Student	IADC-A
87	Mr. Rahul. E		PG Student	IADC-A
88	Nirmaikumar		PG Student	IADC-A
89	Miss.Manasa S G		PG Student	IADC-A
90	Ms. Keerthana J M		PG Student	IADC-A
91	Ms. Gayeethri H N		PG Student	IADC-A
92	Mr Mohammed Mansoor Zarian		PG Student	IADC-A
93	Miss Abhilaša Bhattacharya		PG Student	IADC-A
94	Mr. Ranjith Kumar G S		PG Student	IADC-A
95	Mr. Harish K R		PG Student	IADC-A
96	Manasa N		PG Student	IADC-A
97	Sinchana S		PG Student	IADC-A
98	Hrshikesh H		PG Student	IADC-A
99	MS. Monisha A		PG Student	IADC-A

151	Dr. Rashmi D	Faculty	JSS Academy of Higher Education & Research
152	Dr. Sharangouda J. Patil	Faculty	NMKRV College for Women Autonomous, Bengaluru, Karnataka



Head of the Department

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

IADCA – JSS AHER Symposium 03 July 2023
Liver Diseases and Cancer: New Insights and Therapeutic Targets
REGISTRATION DETAILS

S.No.	Name of the Participant	Faculty/Student	Organization	Amount	Transaction ID	Mode	Image
1	Dr N S Venkatesh	Faculty	IADC-A	100	3.17453E+11	Google pay	https://drive.google.com/open?id=1t53bKfF1uG0px50mAPQr5WsbVZGK167
2	Nandini, B, N	Faculty	IADC-A	100	3.17405E+11	Google pay	https://drive.google.com/open?id=1XlIMKQlIp_wab1lBh1-93#6WBUR97DJ
3	Mrs Cynthia kasi	Faculty	IADC-A	100	T2306230750034166318008	Phonepe	https://drive.google.com/open?id=1FQTE0QeWnJbdtE-3v6lPzYzMA0qyVv
4	Dr. Ramachandra Murthy TTS	Faculty	IADC-A	100	T2306282115002689283545	Phonepe	https://drive.google.com/open?id=1gzmoJ_idwz05nEW_Rkf7wLn-WPouWM
5	Mrs. Dilshad Begum	Faculty	IADC-A	100	T2307011147222294845058	PHONE PAY	https://drive.google.com/open?id=15Wg1L12B0Zrfzuc800741n8M6gmUrdh
6	Dr. Monika Bajpai	Faculty	IADC-A	100	3.1749E+11	Google Pay	https://drive.google.com/open?id=1Yr8rmME1Q5QZIGtOJQe5xIvBulo1PR7
7	Mrs. Kashma N B	Faculty	IADC-A	100	3.18136E+11	Google pay	https://drive.google.com/open?id=12icDghza-jc5ferwep5mndvfpH1Pw50
8	Dr.Ananda Vardhan Hebhani	Faculty	IADC-A	100	T2306221851213328502627	Phonepe	https://drive.google.com/open?id=15b7zhF8h7R7RXrueQtd8G4zhPvikh
9	Ms. Sowmya Patkar G.	Faculty	IADC-A	100	T2306231235473398795443	Phonepe	https://drive.google.com/open?id=12SN2W4fokKHGc5c75TACHz-faimG6wkQ
10	Dr.Vanitha G Ramesh	Faculty	IADC-A	100	T2306231030444485072582	Phonepe	https://drive.google.com/open?id=12MV-izMiB5W3a3UHV70Bx8fctVh8Pftfys
11	Ms. Monisha Iyappan	Faculty	IADC-A	100	T2306261110575617397344	Phonepe	https://drive.google.com/open?id=1e2012eio_sPvD0S9J5FF7k59G0LE08t
12	Dr. MOHAMMED RAFIQKHAN K	Faculty	IADC-A	100	CiAgNc9b4a4a	Google Pay	https://drive.google.com/open?id=1VZ8VbVeyrc3UB81Uw776ekTZC2rC5n55
13	Dr. Suma T.K.	Faculty	IADC-A	100	T2306281620464761456033	Phonepe	https://drive.google.com/open?id=19 HxVnN N724CaP8bkywTKu4VCigI6
14	Dr. Shubha Rajiv	Faculty	IADC-A	100	3.17381E+11	Google Pay	https://drive.google.com/open?id=11O1-KYmva-373BNkWGwRnAUGy5fM0NY
15	Mr.Sudhakar Malla	Faculty	IADC-A	100	3.17485E+11	Google Pay	https://drive.google.com/open?id=1MH90VfmdhM4InXrIwGfT9131p5uWR5
16	Ms.Latha.V	Faculty	IADC-A	100	3.17488E+11	GOOGLE PAY	https://drive.google.com/open?id=1m7v6mqMIXwIzUfRn74FhmCwIteizZ
17	Dr. Diya	Faculty	IADC-A	100	3.1833E+11	paytm	https://drive.google.com/open?id=1FyuzUfPftk4VvIvUfRkRAhOtmJnyEMQqG
18	Dr. S. Anu Kiruthika	Faculty	IADC-A	100	3.17374E+11	Google pay	https://drive.google.com/open?id=1m-uVSAInQ_vo5iUOLHRT9Wnk9zWf-
19	Dr.Malaiyarasa Pandian	Faculty	IADC-A	100	3.17537E+11	Phonepe	https://drive.google.com/open?id=1VD0c198H47bst4Wm34khimIpuM4LUN0NS
20	Dr. Paramesh H	Faculty	IADC-A	100	3.17413E+11	Bhim pay	https://drive.google.com/open?id=1PpVvENTNA_uG52EfiF-zf5f5XCDxq
21	Dr. Sahithya K	Faculty	IADC-A	100	T230626122552502860011	Phonepe	https://drive.google.com/open?id=1NoHTGimYhrct1Quu-5Vnhd68L7JnRl
22	Dr. PUSHPA REDDY	Faculty	IADC-A	100	T2306281625461112482118	Phonepe	https://drive.google.com/open?id=1kBs3RzBzR2lo5tqnuo1bD5wScst-hphW
23	Dr.Sangeetha Annie George	Faculty	IADC-A	100	3.17491E+11	Google pay	https://drive.google.com/open?id=1and8Qv2oie2kPpPQq4BnNtqrc1B3JW
24	Dr. Erumalla Venkata Nagaraju	Faculty	IADC-A	100	3.18377E+11	Google Pay	https://drive.google.com/open?id=1DxbRY4CNPY8ZKTKR5h5idvQV6xxr8G
25	Dr.K.Shyam Sunder.K	Faculty	IADC-A	100	3.17489E+11	GOOGLE PAY	https://drive.google.com/open?id=1PzLkL1WtWef383c5fdLly_z4hPbN5JlmgRd
26	Chaitra Shree MN	PG Student	IADC-A	100	T2306261012143382610302	Phonepay	https://drive.google.com/open?id=1a55v9p9BhAPfCAnGjCdPz8IH09J15q
27	Nithin Kumar CV	PG Student	IADC-A	100	T2306261125411598799356	Phonepe	https://drive.google.com/open?id=1v5FGavct1OKTqut6X1W24uRZOfz

28	Mr. Deeven kumar	PG Student	IADC-A	100	T2306282111529485782662	Phonepe	https://drive.google.com/open?id=1TkPUtbTsAiBC6yTJlW88hHglqWRopvsu
29	Swathi M	PG Student	IADC-A	100	T2306301116037693353253	Phone pay	https://drive.google.com/open?id=1kJFAHWvhY1OwOXPH8I2bUdidg5_ltQ9
30	Sara salomo	PG Student	IADC-A	100	3.18219E+11	Paytm	https://drive.google.com/open?id=1sFILVz0K5YXhICTSvAK-aWSTzhqeYsIC
31	Pallavi N	PG Student	IADC-A	100	T2306261016362868295880	Phonepe	https://drive.google.com/open?id=1CbLMpgz-o-953W9yc2Fd3Va1GW4q8WDn
32	SURYA S	PG Student	IADC A	100	3.17912E+11	Paytm	https://drive.google.com/open?id=1vhIzfb6TvdMOSpE7VpuoA8sNhQIE4XeK
33	Sweta.M	PG Student	IADC -A	100	T2306261018430361213449	Phonepay	https://drive.google.com/open?id=1ecMgbU5k8eupc7MZr9nq5pkQedNm0-fs
34	Ms Padmashree A	PG Student	IADC-A	100	3.18015E+11	Google pay	https://drive.google.com/open?id=1Jc_S_zlA8Giq8J2XSgno24Y_BHilb8kK
35	Aimen	PG Student	IADC-A	100	3.18364E+11	Google pay	https://drive.google.com/open?id=1avuCglyG4ql6UisJGUUUvIjsKOM59AI
36	Nithya k r	PG Student	IADC-A	100	3.17727E+11	Google pay	https://drive.google.com/open?id=1yQxrfuYt4Rj4tYgqeOEUDYsweFg9etnr
37	Soniya K M	PG Student	IADC-A	100	3.18327E+11	Phonepe	https://drive.google.com/open?id=1a3CHzq_3CxAmxMQLQ-hE_Mj5KJfKuRu
38	Mr. Nikhil	PG Student	IADC-A	100	T2306281324556346636484	Phone pay	https://drive.google.com/open?id=14TZ4I7ZnmeonbGv7gQCnhRqlM2a7Wxms
39	Mr. R R vijay kumar	PG Student	IADC-A	100	T2306281643072187267039	Phonepe	https://drive.google.com/open?id=1iqeXrj9P-nU7PuwLx11GYGovTOoEKmcG
40	Padmashree A	PG Student	IADC-A	100	T2306291853359462857541	Phonepe	https://drive.google.com/open?id=1xr6axG7X6L0TF5IS8nnixU7uFeRCTyxY
41	B.Priyanka	PG Student	IADC-A	100	T2306301114352136070728	Phonepay	https://drive.google.com/open?id=1XIGzgk1zzLbUfzPthwlJs9t7YsJoE
42	Navya GN	PG Student	IADC-A	100	T2307011134317018152067	Phonepe	https://drive.google.com/open?id=1_fjaZAoQ6QFq10Fp0cFL3L_1xGN9pj_1
43	Sushmita Dinesh	PG Student	IADC-A	100	T2307022107438428008701	Phonepe	https://drive.google.com/open?id=1ldydfq63INQeW7Tiihe5YmR2-OwriW2I
44	Mr Nihar G	PG Student	IADCA	100	3.18014E+11	Google pay	https://drive.google.com/open?id=1fgUg8plDuKHosg5CFQXHDNkftVlyVop
45	Grace Peniel A Raju	PG Student	IADC-A	100	3.17913E+11	Google pay	https://drive.google.com/open?id=1K5MAGT3I4WComFPpHhK1J4VycvoIndN8
46	B S LIKITH KUMAR	PG Student	IADC-A	100	3.54537E+11	Paytm	https://drive.google.com/open?id=184v8UfoHhhoOzWk-ccyH2DgE0RCd7WC
47	Chandrakala L	PG Student	IADC-A	100	T2306291949418622118126	Phonepe	https://drive.google.com/open?id=1jnfWcJWYtBsQP1nncFg_zX0_zCoyB6HC
48	Ms. Anusha K P	PG Student	IADC-A	100	T2306301023588606754282	Phonepe	https://drive.google.com/open?id=1bd6-9v2VMEcfvsKmbMcR0hLUp4uqH2zB
49	Nithin S	PG Student	IADC-A	100	3.17976E+11	Google pay	https://drive.google.com/open?id=1utbtAtVtBmGPsNvR0U6unOaVddu0jdfe
50	Mr . Manoj . N	PG Student	IADC-A	100	T2306301223132233883093	Phone pay	https://drive.google.com/open?id=19Yu6SPzeNm378qSjrvx6XOV2O7WTqKGO
51	Miss.Govardhini.K	PG Student	IADC-A	100	3.18259E+11	Google pay	https://drive.google.com/open?id=1HkGP_16ttVeelsQ9yr1yL3AZPRU-TuUZ
52	Kavya shree	PG Student	IADC-A	100	3.18286E+11	Google pay	https://drive.google.com/open?id=16JW2ZBFzhdGRxgXsGFnu6qtiM9mCVc
53	Mallepalli lokesh	PG Student	IADC-A	100	T2307011119553352736954	Phone pay	https://drive.google.com/open?id=1dLTOTqufQVwWPYV1R4KjX2De89I_4MqR
54	Veena.N	PG Student	IADC-A	100	3.18377E+11	Google pay	https://drive.google.com/open?id=19fp-b9Z8Qw4PI4CwcbCyhd3CE1X5mv-
55	Ms. Vaishnavi Ganapati Acharya	PG Student	IADC-A	100	3.18057E+11	Google pay	https://drive.google.com/open?id=12SvQPM-G0k44VJOaA3sY23Vbq2id8b8P
56	Ms. Shalini M	PG Student	IADC-A	100	3.18128E+11	Google Pay	https://drive.google.com/open?id=1jdwWfVK2z7ivA8rhtLILS3c_cQjPzi
57	Kevin Sabu	PG Student	IADC-A	100	3.18316E+11	Paytm	https://drive.google.com/open?id=1WsoCptVJ5fJhLIZ8cPTEuWv4esqZnbfF
58	Karne Navya Jyothi	PG Student	IADC-A	100	3.54922E+11	Google pay	https://drive.google.com/open?id=1BSEzEX7DEF3fdgYbYZPLrhh1uvDE74c
59	Chandan p	PG Student	IADC-A	100	T2306300933310183141519	Phonepe	https://drive.google.com/open?id=1NjAsSHtkcY20XjF3BCmpYWWZYB7IR2EP
60	Jaswanth	PG Student	IADC-A	100	T2306301019470182118057	Phone pay	https://drive.google.com/open?id=1NCXW2DTulxvuOCYtQfdzheGrwu_bmNL
61	Ms.Pankhi Borah	PG Student	IADC-A	100	T2307011113429770487046	PhonePe	https://drive.google.com/open?id=1omG34ReKv7crDNhj3yGsgdCzeeHBMibM
62	Mr.Jonnakuti Bhanu Sagar	PG Student	IADC-A	100	T2307022259118065133484	Phonepe	https://drive.google.com/open?id=1PFc5-NendkN1Kx_iuwFH4zaMtftGXB45
63	Divya.R	PG Student	IADC-A	100	T2306291120191612793031	Phonepe	https://drive.google.com/open?id=1GNiFifNsUtmEAWOuTrLMkvAGw2uiXcde

100	Miss. Aishwarya, S	PG Student	IADC-A	3.54017E+11	100	https://drive.google.com/open?id=1GkGwN4dm1OC-Sb5BqtzomqIC824Rf
101	Mr. Ashok, K	PG Student	IADC-A	72306291746098375431194	100	https://drive.google.com/open?id=1IzHP6R0v2TMZgqzE3KPOqBvYFPIWkN9
102	Ms. Preethi, V	PG Student	IADC-A	7230701116322103781692	100	https://drive.google.com/open?id=1qmwUwC9y4eVtXfkyElyq13AW-sczRf
103	B Brunda	PG Student	IADC-A	72307011543300296328876	100	https://drive.google.com/open?id=1WncRyARn517vB7M9XRgNzcuqgBTWCkVg
104	Niveditha V	PG Student	IADC-A	7230701113563118324391	100	https://drive.google.com/open?id=11K0EVLGOYxjIwIjRkxtezz5M8ZEB1RfM
105	Mr.Sridhar C A	PG Student	IADC-A	72307021128043078656949	100	https://drive.google.com/open?id=15Mvazdzqzbh0w-N8grtUbbQv4tkiDg
106	Sparsha	PG Student	IADC-A	3.17913E+11	100	https://drive.google.com/open?id=1f2gR0qVfx1v5NfkgRcooCugPFPWg06
107	Ms. Sukanya Dutta	PG Student	IADC-A	3.18059E+11	100	https://drive.google.com/open?id=16bEgF IqOArp8pE5EXGpzjPCkKkZM
108	Ms Niveditha M	PG Student	IADC-A	3.18111E+11	100	https://drive.google.com/open?id=1nDRwmh7dWvBZZBy0HOP19LR-c0f0hk
109	Keerthi Varma	PG Student	IADC-A	3.18179E+11	100	https://drive.google.com/open?id=11S0GhVV6n0sbRc2b91q5fss5ivdE
110	Khamnam Urmila Devi	PG Student	IADC-A	3.18208E+11	100	https://drive.google.com/open?id=1Ce8DnUrtRyK8h9m8Q670cKd4gKvW3wi
111	Chedulia Bhavya Sri	PG Student	IADC-A	3.18218E+11	100	https://drive.google.com/open?id=1kMAu4crtou7LDeuflrjrcd09xQ0oaJf
112	Ms. M. P. Sandhya	PG Student	IADC-A	3.54791E+11	100	https://drive.google.com/open?id=1zXkqF77 6WwV6cVtBz!!!G14V92zi
113	Shilpa S	PG Student	IADC-A	CICAgNC53u19cw	100	https://drive.google.com/open?id=15TmNCZicqeaYOHu0u0Cp6vafjDvPq
114	Mr Aditya Mandal	PG Student	IADC-A	72306250848598251460981	100	https://drive.google.com/open?id=16Irk49!!KhhwhwXsUkCeAtOH WtCR9
115	Maddini Monalisha	PG Student	IADC-A	72306301022376763970535	100	https://drive.google.com/open?id=1Asfasi-6T033jPkrfSZC9RUI1Dh0V
116	Ms. Sriram Vijayalakshmi	PG Student	IADC-A	723063011151750540156968	100	https://drive.google.com/open?id=1XRg53FT3E55A9-C9w9W7m1508vYcFf
117	Ms. Umme Ul Nida G	PG Student	IADC-A	72306302051145851431281	100	https://drive.google.com/open?id=1Hmo-6rm7MnOH0WGa7kU0NMnKku-ZmH5
118	Mr.Subhanakar Pradhan	PG Student	IADC-A	72307011117518128362751	100	https://drive.google.com/open?id=1MNhAqMBUQ7EvsPzFt INdAM0Xw-C
119	Mr. Nitesh Gowda S	PG Student	IADC-A	3.18248E+11	100	https://drive.google.com/open?id=1srYgRnRhdVjD3G9QZII83V9K6kxUqG
120	Sanjota k pektar	PG Student	IADC-A	72306291952131153785944	100	https://drive.google.com/open?id=1U-7 nJhMrcB8NM7Gz6x2w5abqtd55
121	Shastank V	PG Student	IADC-A	72306301018137740223920	100	https://drive.google.com/open?id=1YU 1lUvhnou9519f1zXkhdU1N23xGf
122	Vidhyasagar.M	PG Student	IADC-A	3.54828E+11	100	https://drive.google.com/open?id=1deQ1Rh80jXgYXO-0TTEGzGzTthvYr
123	Hardev	PG Student	IADC-A	3.1747E+11	100	https://drive.google.com/open?id=1YgDS2Q1mC4uNUAbWtTf5S2b6q6cMb
124	Ms Tejaswini Hegde	PG Student	IADC-A	3.17905E+11	100	https://drive.google.com/open?id=1PpBibegOnUrgNvMOA3uRfUR P1N
125	Mr Mahadevprasad B	PG Student	IADC-A	31811439464	100	https://drive.google.com/open?id=17f8MR5cd5Clv o5fc6B7z12M195r55hQ
126	Mr Gagandeep K L	PG Student	IADC-A	3.18114E+11	100	https://drive.google.com/open?id=1IeP qJAt24Wg85h88C05jIzKkEb
127	Mr Raju E K	PG Student	IADC-A	72306301957321002857095	100	https://drive.google.com/open?id=1F8awVdTXC5zPihX30Utn05YXaxpEw
128	Mr Tulasi prasad	PG Student	IADC-A	72306302006041940156537	100	https://drive.google.com/open?id=13QJ5KtUfE3Cn9pLkKQoYQdM1xcm5Qllqg
129	Mrs Chaitra S	PG Student	IADC-A	72306302011361958656782	100	https://drive.google.com/open?id=13u5-1G915Q2o2r27HFUsOUAIPfTKNc62
130	Mr. Arman Hossain	PG Student	IADC-A	7230630020426081666145	100	https://drive.google.com/open?id=1Pfq12IiIiIiIQgXUsUv6fVdH7s7r4H7H
131	Mr Ajith D	PG Student	IADC-A	3.18114E+11	100	https://drive.google.com/open?id=1g31E32D905kVU03wX22pnEkeZbuI
132	Ms.SUPARNA BISWAS	PG Student	IADC-A	3.17659E+11	100	https://drive.google.com/open?id=1BBHOLsvh1QxvBmFIDAd4cae7eVxP9g
133	Monalisa s	PG Student	IADC-A	3.18119E+11	100	https://drive.google.com/open?id=1FhTiuWgGcV0LST4CWXCXPEdEjXnWm3I
134	Miss. NIVATHI.V	PG Student	IADC-A	3.18137E+11	100	https://drive.google.com/open?id=1pc-GA3n1E9FefjBRM31nLEjGzBz7NN
135	Mr Jayasurya raju k	PG Student	IADC-A	3.18248E+11	100	https://drive.google.com/open?id=1H0Vn8LU5eafGz6IqAR517Qw0wPryHS

136	Ms.BHAGYASHREE M	PG Student	IADC-A	100	3.18359E+11	Google pay	https://drive.google.com/open?id=16pKZFpNf0X16PTAARJNpuW8-sLWunApj
137	Navya. H. L	PG Student	IADC-A	100	T2307011118318786059995	Phonepe	https://drive.google.com/open?id=1rgaOGwwXp0HMps3YNy-sBa6wojonJf7L
138	Ms. Bhavani S	PG Student	IADC-A	100	3.18247E+11	Google pay	https://drive.google.com/open?id=14srzsEVFekJNBYSUGAIsh2K8cxvg4Nk
139	Ms Raksha R	PG Student	IADC-A	100	T2306301029331032689422	Phonepe	https://drive.google.com/open?id=18cCcsYX9zLGAjekD2ybl1LeJDGudbLEs
140	Miss Deekshitha. S	PG Student	IADC-A	100	T2306231311226567281245	Phonepe	https://drive.google.com/open?id=1CKI526IUAPdG4wqx1wybZMmvi9U4gnhQ
141	Mr. Shashank Gowda d	PG Student	IADC-A	100	T2306301114507486076946	Phonepe	https://drive.google.com/open?id=1xkWeCTIwi4IC-8HWZ5ZLMMJYQDCy56_O
142	Raghavi kv	PG Student	IADC-A	100	T2306301026106684760183	Phone pay	https://drive.google.com/open?id=16fwbLkSfRMqJqmn8HweBh-ztu2v5Wkg
143	Ms.Padmapiya K.	PG Student	IADC-A	100	T2307030924002768848073	Phonepe	https://drive.google.com/drive/u/0/search?q=PADMAPRIYA
144	Ms.Veekshitha DC	PG Student	IADC-A	100	T2307030924103710487074	Phonepe	https://drive.google.com/drive/u/0/search?q=VEEKISHITHA
145	Dr. Prasaad S	PG Student	Govt. Thiruvavur Medical College	200	3.17697E+11	Phonepe	https://drive.google.com/open?id=1Db-EyHYgWYgKxw7LjwFlgIDB57QN8Fxm
146	Ms. Nikita	PG Student	Jyoti Nivas College	200	T2307021109291557236281	Phonepe	https://drive.google.com/open?id=1 TE-760IB0tL3Cccji4Iz8Aq5CHCuUz
147	Miss Sushma M	PG Student	The Oxford College Of Science	200	T2307021702530872186801	Phonepay	https://drive.google.com/open?id=1MUv8_m1rLRsDy36lms5SpKPmoPT7q1pY
148	Yashaswini	Ug student	NMKRV College for Women Autonomous, Bengaluru, Karnataka, India	200	T2307012112145706328425	Phonepe	https://drive.google.com/open?id=1U7LZkbgunQSDpZiSM7Tji3ziwyCkw5bH
149	B.Suchithra Nagraj	Ug student	Ramaiah University of Applied Science	200	T2306261520027153178399e	Phonepe	https://drive.google.com/open?id=17vwo3kyxsrE3Bezrij_K_w4aK17RStnT
150	K V J pavan kalyan	UG student	Ramaiah University of applied science	200	T2306261537122658000318	Phonepe	https://drive.google.com/open?id=1fk_dGi8VU6V6qknCBw9EVsWrm5xDbSk
151	Dr. Rashmi D	Faculty	JSS Academy of Higher Education & Research	300	CICAgNDs56XCVA	Google Pay	https://drive.google.com/open?id=1kiwCDqwwNxn3RSOLKYtuVRLsShji4_Fr
152	Dr. Sharangouda J. Patil	Faculty	NMKRV College for Women Autonomous, Bengaluru, Karnataka, India	300	T2307012145246312793751	PHONEPAY	https://drive.google.com/open?id=1iNtosPKpZyZmkIcEdcl0tJNWqyvkxNp0

Online Amount Received

16200


Head of Department

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

IADCA – JSS AHER Symposium 03 July 2023
Liver Diseases and Cancer: New Insights and Therapeutic Targets
FEEDBACK

Timestamp	Username	Full Name (BLOCK LETTERS & Include Salutation)	Name of the Institution/Organization	Mobile No	Effectiveness of the Resource persons	How satisfied are you with the event?	Relevance & usefulness of the contents.	Audio/Visual support	Learning outcome	Any other Comments	Overall experience of the event
2023/07/04 3:15:58 PM GMT+5:30	dr.sahithya.microbiology@iadc.ac.in	Dr. Sahithya K	Indian Academy Degree College - Autonomous	8317457386	5	5	5	5	Gained knowledge on biomarkers of the cancer	Nil	5
2023/07/04 3:16:38 PM GMT+5:30	monisha.microbiology@iadc.ac.in	Ms. Monisha Iyappan	Indian academy degree College autonomous	9482218238	4	4	4	4	Biomarkers of cancer Depth in HCC NAFLD Collaborative ideas	None	5
2023/07/04 3:18:42 PM GMT+5:30	ajithdd171@gmail.com	AJITH D D	Indian Academy Degree College Banglore	9148674248	5	5	5	5	Good	Good	5
2023/07/04 3:19:07 PM GMT+5:30	raghavigowda2000@gmail.com	RAGHAVI KV	Indian acedamy degree college autonomous	9986683583	5	4	4	5	Recent work done related to liver cancer	Session was helpful	4
2023/07/04 3:19:47 PM GMT+5:30	yashaswini.sanjay1718@gmail.com	YASHASWINI S	Nmkrv College for Women	8217493148	4	5	4	4	Could get many critical questions in my mind and This was very helpful to go towards the research field	It was Amazing	4
2023/07/04 3:20:29 PM GMT+5:30	manasa.21iamos044@iadc.ac.in	MANASA N	indian acedmy degree College atoumonos	9380685838	5	4	4	3	About the Cancer and liver diseases	Nothing	4
2023/07/04 3:20:35 PM GMT+5:30	latha.chemistry@iadc.ac.in	MS.LATHA.V	Indian Academy Degree college Autonomous	7760860048	4	4	4	4	Good	Good	4
2023/07/04 3:20:53 PM GMT+5:30	veena.21iamos068@iadc.ac.in	VEENA.N	Indin academy	9880163180	5	5	5	5	Liver diseases and cancer based concepts	Very informative session	5
2023/07/04 3:20:54 PM GMT+5:30	bhavani.21iamos032@iadc.ac.in	BHAVANI S	Indian Academy Degree College-Autonomous	7975530549	5	5	5	5	Learnt about different oncogenic aspects	No	5

2023/07/04 3:24:21 PM GMT+5:30	Raju.21IAMOS016@ia dc.ac.in	RAJU EK	Indian academy degree college hennur, banglore	9663420468	5	5	5	5	5	5	Lungs disease ve got detailed information about cancer. methods to prevent cancer	Excellent	5
2023/07/04 3:24:32 PM GMT+5:30	aishpathak1234@gmail l.com	Ms. AISHWARYA PATHAK	INDIAN ACADEMY COLLEGE	9822134527	5	5	5	5	5	5	Information about cancer. methods to prevent cancer	Excellent symposium	5
2023/07/04 3:25:06 PM GMT+5:30	pankhiboraaa@gmail.c om	PANKHI BORAH	Indian Academy degree college	8133008576	5	5	5	5	5	3	Hallmarks of cancer New research studies on Got some information about liver cirrhosis	It was a very informative session	5
2023/07/04 3:26:22 PM GMT+5:30	aishwarya.22iamos001 @iadc.ac.in	Miss Aishwarya. S IADC-A		9483784759	4	4	4	4	4	4	current study on liver diseases and cancer through alcoholic and non-alcoholic etc it was good experience	No	4
2023/07/04 3:28:09 PM GMT+5:30	chandrakala.21iamos1 33@iadc.ac.in	L CHANDRAKALA COLLEGE ACADEMY AUTONOMOUS	8971259627	4	4	3	4	4	3	3	current study on liver diseases and cancer through alcoholic and non-alcoholic etc it was good experience	No	4
2023/07/04 3:28:34 PM GMT+5:30	rahul.21iamos144@iad c.ac.in	Rahul E LIKITH KUMAR	Indian Academy degree college	9164822622	5	5	4	5	5	5	Very good	Satisfied	4
2023/07/04 3:28:59 PM GMT+5:30	likith.22iamos138@iad c.ac.in	BS LIKITH KUMAR	IADC-A	6362447460	4	4	4	4	3	3	Good New	No	5
2023/07/04 3:29:18 PM GMT+5:30	niveditha.bkote@gmail .com	NIVEDITHA M	Indian Academy Degree College	9972566443	5	5	5	5	5	5	innovation for treatment of cancer and liver disease	The session was knowledgeab le	5
2023/07/04 3:30:09 PM GMT+5:30	amian.22iamos010@ia dc.ac.in	MR. AMLAN HOSSAIN	INDIAN ACADEMY DEGREE COLLEGE, AUTONOMOUS	9836751317	5	5	5	5	5	5	seminars were extremely insightful into hepatological disorders and how they can lead to	Great experience.	5

2023/07/04 3:38:34 PM GMT+5:30	hajira.22iamos134@ia dc.in	FATHIMA Degree College- Autonomous	8050780472	5	5	5	5	5	5	Understanding Liver diseases and N/A	5
2023/07/04 3:38:45 PM GMT+5:30	jonnakuti.22iamos040 @iadc.ac.in	JONNAKUTI Degree College Autonomous	9550933561	5	5	5	5	5	5	I learnt lot if things. Very.	5
2023/07/04 3:39:10 PM GMT+5:30	navyanakashatra1439@ gmail.com	Ms.NAVYA G.N degree College- Autonomous	9632025458	5	5	5	5	5	5	stipendous research knowledge NA	4
2023/07/04 3:40:17 PM GMT+5:30	victor.rachel12@gmail. com	RACHEL V Indian academy degree college	8884561553	4	4	4	4	4	4	found different types none	5
2023/07/04 3:40:54 PM GMT+5:30	Vaishnavi.21iamos154 @iadc.ac.in	VAISHNAVI GANAPATI ACHARYA Indian academy degree college	8971471341	4	4	4	4	4	4	advancement in cancer biology and its treatment Nothing in particular	4
2023/07/04 3:42:50 PM GMT+5:30	koppala.21iamos041@ iadc.ac.in	KOPPALA PADMINI Indian academy degree college autonomous	6362594816	4	4	4	4	4	4	I am learning so many instructions No	5
2023/07/04 3:43:23 PM GMT+5:30	saisangi04@gmail.co m	Sangeetha.S IADC	7810089778	4	4	4	4	4	4	Learnt about cancer Nothing	5
2023/07/04 3:52:34 PM GMT+5:30	niveditha.venk333@g mail.com	NIVEDITHA V Indian academy degree college - Autonomous	9845804038	4	4	4	4	4	4	valuable information about liver diseases and cancer No comments	4
2023/07/04 3:56:47 PM GMT+5:30	Veekshitha DC om	Veekshitha DC IADC-A	7975274149	5	5	5	5	5	5	Liver and cancer concept Good program	5
2023/07/04 3:57:28 PM GMT+5:30	murthy.biotech@iadc.a c.in	Dr.RAMACHAND RA MURTHY Degree College Autonomous	9845326749	5	5	5	5	5	5	deliberations were significant in the said field NI!	5
2023/07/04 3:58:32 PM GMT+5:30	noor.21iabsc019@indi anacademy.edu.in	NOOR RABIYA Degree College Indian Academy Autonomous	9.16361E+11	5	5	5	5	5	5	the overall symptoms & causes for the diseases Excellent presentation	5
2023/07/04 3:58:34 PM GMT+5:30	SURYA.22IAMOS063 @iadc.ac.in	SURYA S IADC A	8270599480	5	5	5	5	5	5	About cancer in detailly NI!!	5

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - BIOCHEMISTRY

Date: 14-10-2023

To,

The Principal,
Indian Academy Degree College-Autonomous,
Bangalore-43

Subject: Permission to conduct an Awareness Session on 17th October 2023

Respected Madam,

The Department of Life Sciences would like to organize an Awareness Session on "CLINICAL TRIALS, CRO INDUSTRY AND OPPORTUNITIES", in association with Labcorp Laboratories India Pvt Ltd (LLI), Bangalore, on 17th October 2023 for all UG and PG Life Science students from 11.00am to 12.00pm.

I request you to kindly permit us to have this session in Seminar Hall II.

Kind regards,



Dr. Ananda Vardhan. H.

HOD-Life Sciences

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Date: 17-10-2023

Time: 11.00 am – 12.00 pm

Venue: Seminar Hall II

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Principal
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - BIOCHEMISTRY

Date: 14-10-2023

CIRCULAR

The Department of Life Sciences - Biochemistry is organizing an Awareness Session on "CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES", in association with Labcorp Laboratories India Pvt Ltd (LLI), on 17 October 2023 for all UG and PG Life Science students from 11.00am to 12.00pm in Seminar Hall II.

Speakers	Topic	Venue
1. Mr. Patrick Muthuraj Assoc. Director, Global Client Delivery, Labcorp Labs India Pvt Ltd 2. Dr. Abhishikta Basu, Sr Clinical Project Coordinator, Global Client Delivery, Labcorp Labs 3. Ms. Anshu Mishra Assoc. Regional Study Coordinator, Global Client Delivery, Labcorp Labs	Awareness Session on "CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES"	Seminar Hall II

Objectives of the session:

The objectives of this awareness program are for students to

- Develop an understanding of clinical research principles and regulatory requirements.
- Learn how various stages of clinical trials are conducted and how data is analyzed
- Understand job opportunities in the field of clinical research

Outcomes of the session:

Upon attending this session, students are expected to

- Develop awareness of the clinical trials enterprise and the importance of contract research organizations in conducting clinical trials
- Explore research based and knowledge-based skill sets required for such a field
- Establish a platform for industry interactions and consider job opportunities


Head of Department

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043


Principal
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
. BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session

on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

1. **Title of the Event and the Funding Agency:** Awareness Session on “CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES” organized by Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd (LLI)
2. **Venue:** Seminar Hall II
3. **Date:** 17 October 2023
4. **Time:** 11.00am to 12.00pm

5. **Name of the Resource Person/s:**
 - a) Mr. Patrick Muthuraj
Associate Director,
Global Client Delivery, Labcorp Laboratories India Pvt Ltd.
 - b) Dr. Abhishikta Basu,
Sr. Clinical Project Coordinator,
Global Client Delivery, Labcorp Laboratories India Pvt Ltd
 - c) Ms. Anshu Mishra,
Associate Regional Study Coordinator,
Global Client Delivery, Labcorp Laboratories India Pvt Ltd

6. **Broad Aim of the Event:**

The aim of this program was to expose students to the clinical research domain in India and the opportunities for students in this field.
7. **Objectives of the session:**

The objectives of this awareness program are for students to

- Develop an understanding of clinical research principles and regulatory requirements.
- Learn how various stages of clinical trials are conducted and how data is analyzed
- Understand job opportunities in the field of clinical research

8. Outcomes of the session:

Upon attending this session, students are expected to

- Develop awareness of the clinical trials enterprise and the importance of contract research organizations in conducting clinical trials
- Explore research based and knowledge-based skill sets required for such a field
- Establish a platform for industry interactions and consider job opportunities

9. Brief details about the event:

A Student Awareness Session was organized by the Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd, on the topic of "CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES". Mr. Patrick Muthuraj, Associate Director, Dr. Abhishikta Basu, Sr. Clinical Project Coordinator and Ms. Anshu Mishra, Associate Regional Study Coordinator, Global Client Delivery, Labcorp Laboratories were the resource persons of the day. The event was presided by Dr. Ananda Vardhan H, Professor and Head of the Department of Life Sciences, who introduced the main speakers and welcomed them to the program.

The presentation was started by Dr. Abhishikta Basu, Sr. Clinical Project Coordinator, a PG alumnus of Microbiology Dept, IADCA, who, for the benefit of the UG and PG students assembled, gave a detailed introduction to the topic of clinical trials. The drug development has the aim of bringing a new pharmaceutical drug to the market once a promising compound has been identified. Its multiple stages include preclinical research on microorganisms and animals, filing for regulatory status for an investigational new drug to initiate clinical trials on humans, conducting human clinical trials and obtaining regulatory approval to market the drug.

Clinical trials are very important research studies, clinical research trial tests if something, like a new medication or medical device, is safe and effective for people to use. They are conducted according to a protocol, which describes, the types of patients, schedules of tests and procedures, the drugs involved, the dosages of the drug and the length of the study.

Following Dr. Basu's introduction, Ms. Anshu Mishra, Associate Regional Study Coordinator discussed the role of Labcorp Labs in the clinical trials and clinical data management domain. The company helps to navigate the process of clinical trial design and conduct, providing comprehensive scientific and medical support to complement any drug development program. Labcorp provides all

the essential logistic and research capabilities for organizing a clinical trial, collection of patient samples, transportation, storage and on-time analysis of patient parameters, including generation of report and data analysis to derive the results of the study.

Mr. Patrick Muthuraj, Associate Director, briefed in the end about the diverse job opportunities in the clinical trials and clinical data management domain. In his presentation, he displayed the multitude of skill sets and job openings available and emphasized that there is a lot of scope for life science graduates in the field of clinical research. The various fields of clinical research in which life science students are having placement opportunities are Clinical trial Management, Clinical Data Documentation, Pharmacovigilance, Medical Writing, Regulatory Affairs, data analysis, report generation etc.

In today's world, it is not just the healthcare sector that is growing rapidly but the clinical research industry is also registering tremendous growth. Diverse skills and knowledge base is required in the clinical research industry. A career in clinical research is fast becoming one of the most sought-after options. One of the most lucrative elements about a career in clinical research is that you do not need to come from a hardcore medical background to pursue a career in the field. While those with a medical background can take their career to the next level with a specialization in clinical research, even those with other specific skills can excel and make a mark for themselves in the industry.

Students were interested in the talks given by the guest speakers, and also interactive with a question answer session at the end.



Program Coordinator

Program Coordinator - Biochemistry
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043



Head of Department

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

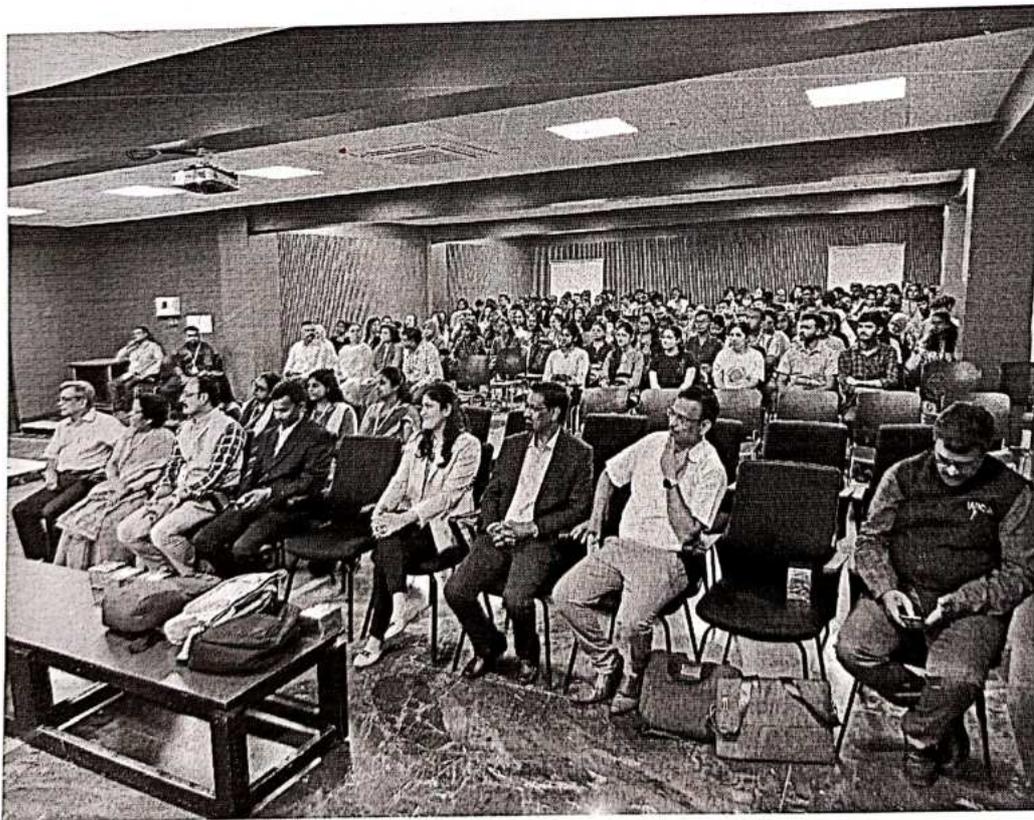


Principal

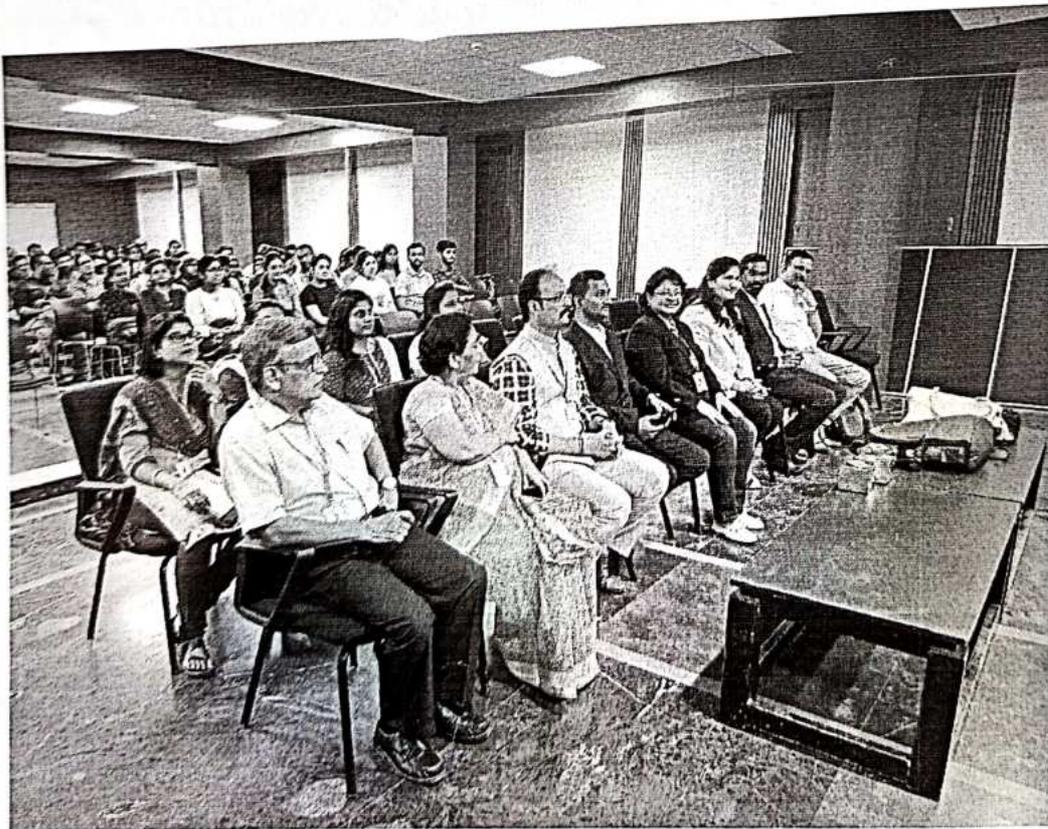
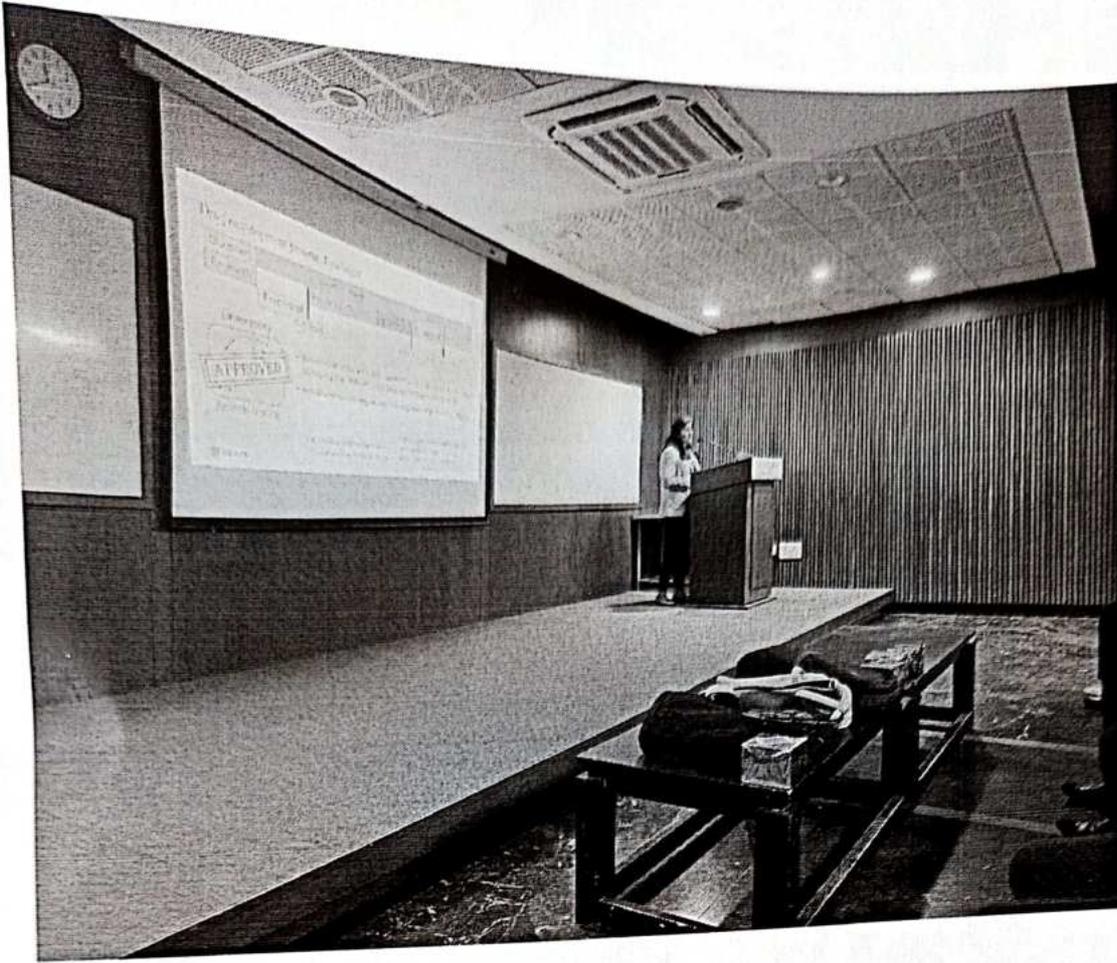
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

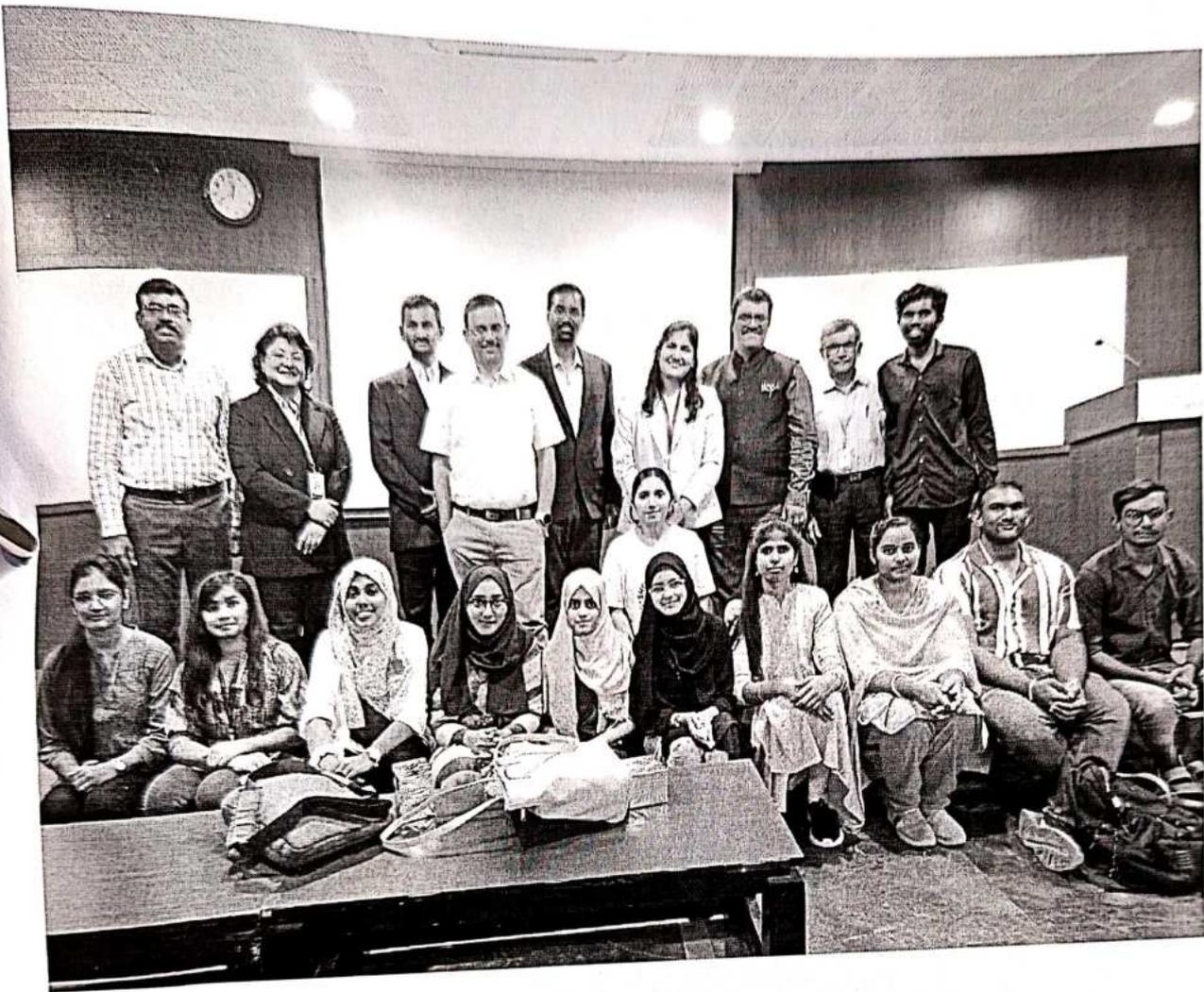


10. Photographs









Program Coordinator

Program Coordinator - Biochemistry
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Head of Department

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal
PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Resource persons: LabCorp Labs

Date: 17-10-2023

Venue: SH II

Time: 11:00AM -12.00PM

Attendance

Sl.No.	Register number	Name of the student	Class/Section	Signature
01	22IAMOS017	Mangunatha, BM	2 nd sem MSc-BC	M. BM .M
02	22IAMOS011	AMRUTH .R	2 nd sem MSc-BC	Amruth .R
03	22IAMOS023	Tharun .M	2 nd sem MSc-BC	Tharun.M
04	22IAMOS019	Mohan .S	2 nd MSc-BC	Mohan.S
05	22IAMOS009	Aliya fathima	2 nd MSc-BC	Aliya.fathima
06	22IAMOS012	Ashwini .R	2 nd sem MSc-BC	Ashwini .R
07	22IAMOS021	Prathusha K.S	2 nd sem msc-BC	Prathusha
08	22IAMOS013	Chaitra, C.	2 nd sem MSc-BC	Chaitra.C.
09	22IAMOS020	PAVAN .N	2 nd sem MSc-BC	Pavan
10	22IAMOS021	SARIKA .S. R	2 nd sem M.Sc. BC	Sarika
11	22IAMOS016	Lakshmi .K.S	2 nd sem MSc-BC	Lakshmi.K.S
12	22IAMOS156	Nousheen Fathina	2 nd sem MSc-BC	Nousheen
13	22IAMOS008	AFZA	2 nd sem MSc-BC	Afza

SLNo.	Register number	Name of the student	Class/Section	Signature
14	22IAM03010	Amilan Hossain	2nd Sem M.Sc BT	Amilan Hossain
15	22IAM03015	L. Ashya Kuthina	2nd sem MSc BT	L. Ashya Kuthina
16	22IAM03014	Draishya. D.R	2nd sem MSc BT	Draishya
17	22IAM03029	Lakshmi G.K	MSc BT	Lakshmi
18	22IAM03057	Vijayalakshmi.R.L	MSc BT	Vijayalakshmi
19	22IAM03060	Souandarya More	MSc BT	Souandarya
20	22IAM03048	Kavya Gowda .M	MSc BT	Kavya
21	22IAM03064	Sushmitha.D	MSc BT	Sushmitha
22	22IAM03053	Nithya k.R	MSc BT	Nithya
23	22IAM03051	Pallavi.N	MSc BT	Pallavi
24	22IAM03065	Sweta.M	MSc BT	Sweta
25	22IAM03048	Lekshmi.A	MSc BT	Lekshmi
26	22IAM03043	Kavya Shree	MSc BT	Kavya
27	22IAM03035	Govardhini.K	MSc BT	Govardhini
28	22IAM03041	Navya Jyothi	MSc BT	Navya
29	22IAM03062	Suparna Biswas	MSc BT	Suparna
30	22IAM03034	Gayathri.H.N	MSc BT	Gayathri
31	22IAM03036	Gautham.S.S	MSc BT	Gautham

Sl.No.	Register number	Name of the student	Class/Section	Signature
32.	22IAMOS063	SURYA. S	M.Sc BT	
33.	22IAMOS049	Mahendran M	M.Sc BT	
34.	22IAMOS047	Lakshmi Priya	MSc BT	
35	22IAMOS055	Rachelv	Msc BT	
36	22IAMOS056	Sangeetha. S	Msc BT	
37	22IAMOS050	Namratha	M.Sc BT	Namratha
38	22IAMOS051	Nanya. CM	MSc BT	Nanya
39	22IAMOS028	Bhavya C	MSc BT	<u>Bhavya</u>
40	22IAMOS024	Aiyappan	MSc BT	<u>Aiyappan</u>
41	22IAMOS027	Bhavan Kumar	MSc BT	<u>Bhavan</u>
42	22IAMOS037	Hema Bindu	Msc BT	<u>Hemabindu. C</u>
43	22IAMOS032	Chiranth Jain P	Msc BT	
44	22IAMOS046	Kusuma. A.B	Msc BT	
45	22IAMOS040	Bhanu Sagar	MSc BT	<u>Bhanu</u>
46	22IAMOS052	Within	MSc BT	
47	22IAMOS039	Indra Kumar	MSc BT	<u>Indra</u>
48	22IAMOS059	Sueha Manna	M.Sc BT	<u>Sueha</u>
49				<u>Sueha</u>

Sl.No.	Register number	Name of the student	Class/Section	Signature
1.	22IAMOS133	Grace peniel A Raju	MSc-MB	Grace
2.	22IAMOS135	Hanshitha N.R	MSc-MB	Hanshitha N.R
3.	22IAMOS138	Likith Kumar B.S	MSc-MB	Likith
4.	22IAMOS137	Kevon Saba	MSc-MB	Kevon
5.	22IAMOS153	Sudarsan Sarkar	MSc-MB	Sudarsan
6.	22IAMOS134	Hajira Fathima	MSc-MB	Hajira Fathima
7.	22IAMOS130	Chandan P	MSc-MB	Chandan
8.	22IAMOS	Spandha B.D	MSc-MB	Spandha
9.	22IAMOS	Sindara S	MSc-MB	Sindara
10.	22IAMOS	Vasun K.M	MSc-MB	Vasun
11.	22IAMOS139	Maria Preethi	MSc-MB	Maria Preethi
12.	22IAMOS146	Padmasheer-A	MSc-MB	Padmasheer-A
13.	22IAMOS142	Nihar G	MSc-MB	Nihar
14.	22IAMOS132	Deven Kumar B.N	MSc-MB	Deven Kumar
15.	22IAMOS144	Nithin S.	MSc-MB	Nithin S.
16.	22IAMOS148	R.R. Vijaykumar	MSc-MB	R.R. Vijaykumar
17.	22IAMOS149	Reshma R.N	MSc-MB	Reshma
18.	22IAMOS132	Gowtham G.V	MSc-MB	Gowtham

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Resource persons: LabCorp Labs

Date: 17-10-2023

Venue: SH II

Time: 11:00AM -12.00PM

Name: *Bismi*

Course: *M.Sc - Microbiology*

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	(5)	4	3	2	1
2. Sessions were well paced within the allotted time	(5)	4	3	2	1
3. It was worth spending time	5	(4)	3	2	1
4. The talks were interactive	5	(4)	3	2	1
5. The talks were knowledgeable	(5)	4	3	2	1
6. Did the program make you appreciate/enjoy/think	5	(4)	3	2	1
7. Usefulness of this session in your lives	5	(4)	3	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Need more knowledgeable of interactive sessions.

Bismi
Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Resource persons: LabCorp Labs

Venue: SH II

Date: 17-10-2023

Time: 11:00AM -12.00PM

Name: Lakshmi K. S.

Course: M. Sc.

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	5	4	3	2	1
2. Sessions were well paced within the allotted time	5	4	3	2	1
3. It was worth spending time	5	4	3	2	1
4. The talks were interactive	5	4	3	2	1
5. The talks were knowledgeable	5	4	3	2	1
6. Did the program make you appreciate/enjoy/think	5	4	3	2	1
7. Usefulness of this session in your lives	5	4	3	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement? No

Lakshmi.K.S
Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Date: 17-10-2023

Time: 11:00AM -12.00PM

Resource persons: LabCorp Labs

Venue: SH II

Name: *Lakshmi Gk*

Course: *Msc Bt*

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	5	4	<input checked="" type="checkbox"/>	2	1
2. Sessions were well paced within the allotted time	5	<input checked="" type="checkbox"/>	3	2	1
3. It was worth spending time	5	4	<input checked="" type="checkbox"/>	2	1
4. The talks were interactive	5	4	<input checked="" type="checkbox"/>	2	1
5. The talks were knowledgeable	5	<input checked="" type="checkbox"/>	3	2	1
6. Did the program make you appreciate/enjoy/think	5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	1
7. Usefulness of this session in your lives	5	4	<input checked="" type="checkbox"/>	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

No Suggestions

[Signature]
Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Resource persons: LabCorp Labs

Venue: SH II

Date: 17-10-2023

Time: 11:00AM -12.00PM

Name: *Drishya*

Course: *Msc - BC*

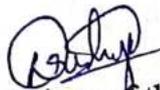
Please rate the program from 1 to 5 (5 is for very good).

- | | | | | | |
|--|-------------------------------------|-------------------------------------|---|---|---|
| 1. Overall view of the program | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 2. Sessions were well paced within the allotted time | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 3. It was worth spending time | 5 | <input checked="" type="checkbox"/> | 3 | 2 | 1 |
| 4. The talks were interactive | <input checked="" type="checkbox"/> | 4 | 3 | 2 | 1 |
| 5. The talks were knowledgeable | <input checked="" type="checkbox"/> | 4 | 3 | 2 | 1 |
| 6. Did the program make you appreciate/enjoy/think | <input checked="" type="checkbox"/> | 4 | 3 | 2 | 1 |
| 7. Usefulness of this session in your lives | <input checked="" type="checkbox"/> | 4 | 3 | 2 | 1 |

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Organized by: LabCorp Labs

Level: SH II

Date: 17-10-2023

Time: 11:00AM -12.00PM

Name: *Aishwarya Pathak*
Course: *Msc Microbiology*

Rate the program from 1 to 5 (5 is for very good).

Overall view of the program	<u>3</u>	4	3	2	1
Sessions were well paced within the allotted time	<u>5</u>	4	3	2	1
It was worth spending time	<u>3</u>	4	3	2	1
The talks were interactive	<u>5</u>	4	3	2	1
The talks were knowledgeable	<u>5</u>	4	3	2	1
Did the program make you appreciate/enjoy/think	<u>5</u>	4	3	2	1
Usefulness of this session in your lives	<u>5</u>	4	3	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

Need More Sessions and Hands on training

experience.

Aishwarya Pathak
Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Source persons: LabCorp Labs

Date: 17-10-2023

Level: SH II

Time: 11:00AM -12.00PM

Name: AMRUTH.R

Course: II SEM MSc - B.Biochemistry

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	5	4	3	2	1
2. Sessions were well paced within the allotted time	5	4	3	2	1
3. It was worth spending time	5	4	3	2	1
4. The talks were interactive	5	4	3	2	1
5. The talks were knowledgeable	5	4	3	2	1
6. Did the program make you appreciate/enjoy/think	5	4	3	2	1
7. Usefulness of this session in your lives	5	4	3	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

no

Amruth R
Signature of the Student



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on
"CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES"

organized by
Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Resource persons: LabCorp Labs

Venue: SH II

Date: 17-10-2023

Time: 11:00AM -12.00PM

Name: Manjmathi BM

Course: MSL - BC

Please rate the program from 1 to 5 (5 is for very good).

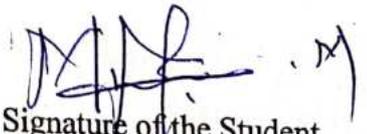
1. Overall view of the program	5	4	3	2	1
2. Sessions were well paced within the allotted time	5	4	3	2	1
3. It was worth spending time	5	4	3	2	1
4. The talks were interactive	5	4	3	2	1
5. The talks were knowledgeable	5	4	3	2	1
6. Did the program make you appreciate/enjoy/think	5	4	3	2	1
7. Usefulness of this session in your lives	5	4	3	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

Any suggestions for improvement?

No


Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Resource persons: LabCorp Labs

Date: 17-10-2023

Venue: SH II

Time: 11:00AM -12.00PM

Name: AFZA

Course: 2nd sem MSc - BC

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	✓ 5	4	3	2	1
2. Sessions were well paced within the allotted time	✓ 5	4	3	2	1
3. It was worth spending time	✓ 5	4	3	2	1
4. The talks were interactive	✓ 5	4	3	2	1
5. The talks were knowledgeable	✓ 5	4	3	2	1
6. Did the program make you appreciate/enjoy/think	✓ 5	4	3	2	1
7. Usefulness of this session in your lives	✓ 5	4	3	2	1

8. Would you be interested in more sessions like this in future?

Yes/No

9. Any suggestions for improvement?

NIL


Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES – BIOCHEMISTRY

Awareness Session on

“CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES”

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Resource persons: LabCorp Labs

Date: 17-10-2023

Venue: SH II

Time: 11:00AM -12.00PM

Name: Chandan P

Course: M.sc Microbiology

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	5	④	3	2	1
2. Sessions were well paced within the allotted time	⑤	4	3	2	1
3. It was worth spending time	5	④	3	2	1
4. The talks were interactive	5	4	③	2	1
5. The talks were knowledgeable	5	④	3	2	1
6. Did the program make you appreciate/enjoy/think	⑤	4	3	2	1
7. Usefulness of this session in your lives	5	4	③	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?

More Interactive Session are Required.


Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - BIOCHEMISTRY

Awareness Session on

"CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES"

organized by

Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Resource persons: LabCorp Labs

Date: 17-10-2023

Venue: SH II

Time: 11:00AM -12.00PM

Name: *Kavya Sheu*

Course: *Msc BT*

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	<i>5</i>	4	3	2	1
2. Sessions were well paced within the allotted time	5	<i>4</i>	3	2	1
3. It was worth spending time	<i>5</i>	4	3	2	1
4. The talks were interactive	<i>5</i>	4	3	2	1
5. The talks were knowledgeable	5	<i>4</i>	<i>3</i>	2	1
6. Did the program make you appreciate/enjoy/think	<i>5</i>	4	3	2	1
7. Usefulness of this session in your lives	5	4	<i>3</i>	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?



Signature of the Student

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - BIOCHEMISTRY

Awareness Session on
"CLINICAL TRIALS, CRO INDUSTRY AND OPPURTUNITIES"
organized by
Department of Life Sciences, in association with Labcorp Laboratories India Pvt Ltd

Date: 17-10-2023

Time: 11:00AM -12.00PM

Resource persons: LabCorp Labs

Venue: SH II

Name: Sweta M.

Course: MSc Biotechnology

Please rate the program from 1 to 5 (5 is for very good).

1. Overall view of the program	5	④	3	2	1
2. Sessions were well paced within the allotted time	5	④	3	2	1
3. It was worth spending time	5	4	③	2	1
4. The talks were interactive	5	④	3	2	1
5. The talks were knowledgeable	5	4	③	2	1
6. Did the program make you appreciate/enjoy/think	⑤	4	3	2	1
7. Usefulness of this session in your lives	5	4	③	2	1

8. Would you be interested in more sessions like this in future?

Yes / No

9. Any suggestions for improvement?


Signature of the Student

INDIAN ACADEMY
Degree College - Autonomous
DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

04.04.2024

From
The Programme Coordinator,
Dept. of Life Sciences - Microbiology
IADCA

To
The Principal
IADCA

Sub: Permission to organize value added course in Nutraceutical and Protein Analysis.reg

Respected Madam,

With reference to the subject cited above, I would like to bring it to your notice about the intention to organize value added course in Nutraceutical and Protein Analysis by using Plate reader and Protein Analyzer for the I semester M.Sc. Microbiology students (15 Nos.) in collaboration with Centre for Incubation, Innovation, Research and Consultancy (CIIRC), Bengaluru. Students will get individualised hands on experience during the training.

The course is planned to organize between 02.05.2024 to 03.05.2024. Since, this is a customised value added course, the company expects 100% advance in order to organize the same. The quotes is enclosed for your reference, kindly approve for a total sum of Rs. 17,700/-, inclusive of GST. (Rs. 1180/student).

Thanking You,

Yours Truly,



*Recommended & forwarded
to respected principal madam
for the approval*

*Regards
Ar. Ar. 5/4/24.*



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU 560023

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

Report On Hands On Workshop On Nutraceutical And Protein Analysis By Using Plate

Reader And Protein Analyzer

Place: CIIRC – Centre For Incubation, Innovation, Research and Consultancy, Kanakkapura Road,
Bengaluru, Karnataka 560082.

Date: 2nd and 3rd May 2024

Time: 9.30 – 5.30 pm

Target students: I Semester M.Sc Microbiology.

Name of the Resource Person: Dr. Ravi Kumar Kadeppagari & Dr. Soumitra Banerjee

Aim of the Event: To organize value added course in the Nutraceutical and Protein Analysis by
using Plate reader and Protein analyzer.

Objectives of Industrial visit:

- To gain knowledge in the Nutraceutical and Protein Analysis by using Plate reader and Protein analyzer.
- To purse knowledge about the sophisticated instruments such as SEM, XRD, FT-IR, Lyophiliser, GC, Electrochemical Workstations, PCR, BSC-L2 & ELISA.

Outcomes of Industrial visit:

The students

- Understand the concepts in the Nutraceutical and Protein Analysis by using Plate reader and Protein analyzer.
- Understand the construction, principle components and application of Microscopy.
- Analyze different analytical techniques used in labs and industries.
- Comprehend the separation of compounds by HPLC and FT-IR.



About the event:

I Semester M.Sc Microbiology students were taken to the CIIRC – Centre For Incubation, Innovation, Research and Consultancy which is located at Kanakkapura Road, Bengaluru, Karnataka 560 082. The visit was organized by Dr. Malaiyarasa Pandian on 2nd and 3rd May 2024. Dr. S. Anu Kiruthika accompanied the students.

CIIRC® is a multidisciplinary research, innovation, and incubation centre and a joint initiative by Sri Sharadha Peetham, Sringeri, and Jyothy Institute of Technology (JIT). It is the centralized R&D centre of JIT besides being recognized by DSIR as a Scientific and Industrial Research Organisation (SIRO) centre with DSIR certification. CIIRC® has emerged with a promise of ushering a new philosophy by bringing, for the first time on the same platform, diverse components of science, engineering, business orientation and skill development with emphasis on innovation, incubation and research, leading to successful entrepreneurship. An understanding of all these three aspects thus forms the core of academic & research erudition at CIIRC®, JIT; market research, alongside business planning, forms the basis of the enterprise component. The essential outcome of any academic pursuit, apart from imparting knowledge, should be to enable students to become readily employable or create their own industry, firm or enterprise. Hence, an Innovation and Entrepreneurship Development Centre (IEDC) has been established to nurture and hone the skills of budding entrepreneurs. CIIRC®, being a multidisciplinary research centre, aims to bring together complementary streams of activities for the benefit of society.

The Centre has well-established, exclusive research and innovation labs spread over 50,000 sq.ft. in the areas of Affordable Medical Devices, Sensors & Inks, Ancient Indian S&T, Autonomous Systems, Biocomposites & Biopolymers, Cell & Molecular Biology, Computational Engineering, Energy, Environment, Food Technology, Nanobiotechnology, Nanoscience & Engineering, Plant & Microbial Technology, Remote Sensing, Surfaces & Interfaces, Thermal Engineering & Tribology, and Water, alongside a dedicated Sophisticated Instrumentation Facility housing instruments such as SEM, XRD, GC, FT-IR, DSC, TGA, BET Surface Area Analyzer and a host of other special



equipments. Students in-house and from outside have the benefit of utilizing these facilities to carry out their projects and internships. The students had hands on training and visited different departments, understand the construction, principle components and application of Microscopy, analyze different analytical techniques used in labs and industries, comprehend the separation of compounds by HPLC and FT-IR.

Nutraceuticals have various applications in biomedical and food areas. Nutraceutical and protein analysis is very important requirement during quality control and food processing. This skill development programme will focus on providing hands on training on nutraceutical and protein analysis by using different equipments (Plate reader, Protein Analyzer, etc.) available in the centre.

The Nutraceutical and Protein Analysis workshop provided participants with valuable hands-on experience and insights into the analysis of nutraceuticals and proteins using plate readers and protein analyzers. The practical training sessions, coupled with informative lectures and discussions, equipped attendees with the knowledge and skills necessary to excel in this rapidly evolving field. The success of the workshop underscores the importance of continued education and training in ensuring advancements in food science, nutrition, and pharmaceutical research.

Faculty accompanied: Dr. S. Anu Kiruthika



Program Coordinator: Dr. Malaiyarasa Pandian P



Program Coordinator - Microbiology
Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Sciences: Dr. H Ananda Vardhan


HEAD

Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal: Dr. N. Thilaka



PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

Report On Hands On Workshop On Nutraceutical And Protein Analysis By Using Plate Reader And Protein Analyzer

Place: CIIRC – Centre For Incubation, Innovation, Research and Consultancy, Kanakkapura Road, Bengaluru, Karnataka 560082.

Date: 2nd and 3rd May 2024.



Faculty accompanied: Dr. S. Anu Kiruthika

Program Coordinator - Microbiology
Department of Life Sciences

Program Coordinator: Dr. Malaiyarasa Pandian P

Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Sciences: Dr. H Ananda Vardhan

HEAD

Principal: Dr. N. Thilaka

Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BANGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF LIFE SCIENCES - MICROBIOLOGY

Report On Hands On Workshop On Nutraceutical And Protein Analysis By Using Plate

Reader And Protein Analyzer

List of Students

Place: CIIRC – Centre For Incubation, Innovation, Research and Consultancy, Kanakkapura Road, Bengaluru, Karnataka 560 082.

Date: 2nd and 3rd May 2024.

Class: I Sem M.Sc Microbiology.

S.No	Reg. No	Students Name	Remarks
1	23IAMOS059	Farheen Banu	Present
2	23IAMOS060	Joshua Eathen Karane	Present
3	23IAMOS061	K. Vanitha	Present
4	23IAMOS062	Kavya P	Present
5	23IAMOS063	Khan Waqui Ausaf Mir Khan	Present
6	23IAMOS064	Monika S	Present
7	23IAMOS065	Nancy Naymoi A	Present
8	23IAMOS066	Nikhil Shyandilya B	Present
9	23IAMOS067	Prarthana J Gowda	Present
10	23IAMOS068	Rahul C	Present
11	23IAMOS069	Samia Chatterjee	Present
12	23IAMOS070	Sindhuja C S	Present
13	23IAMOS071	Syed Faizan	Present
14	23IAMOS072	Syeda Asma Taj	Present
15	23IAMOS073	Thanushreegowda T K	Present

Faculty accompanied: Dr. S. Anu Kiruthika

Program Coordinator - Microbiology
Department of Life Sciences

Program Coordinator: Dr. Malaiyarasa Pandian P

Indian Academy Degree College - Autonomous
Bangalore - 560043

HOD Life Sciences: Dr. H Ananda Vardhan

HEAD

Principal: Dr. N. Thilaka

Department of Life Sciences

INDIAN ACADEMY DEGREE COLLEGE - 560043
AUTONOMOUS

HENNUR MAIN ROAD
BENGALURU - 43



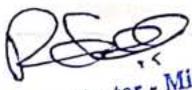
Indian Academy Degree College - Autonomous

Department: MICROBIOLOGY I Semester M.Sc. Microbiology

Student List

Sl.No.	Reg. No.	Student Name	Gender
1	23IAMOS065	NANCY NAYMOI A	FEMALE
2	23IAMOS070	SINDHUJA C S	FEMALE
3	23IAMOS066	NIKHIL SHYANDILYA B	MALE
4	23IAMOS061	K VANITHA	FEMALE
5	23IAMOS069	SAMIA CHATTERJEE	FEMALE
6	23IAMOS071	SYED FAIZAN	MALE
7	23IAMOS063	KHAN WAQUI AUSAF MIR KHAN	MALE
8	23IAMOS060	JOSHUA EATHEN KARANE	MALE
9	23IAMOS067	PRARTHANA J GOWDA	FEMALE
10	23IAMOS059	FARHEEN BANU	FEMALE
11	23IAMOS072	SYEDA ASMA TAJ	FEMALE
12	23IAMOS068	RAHUL C	MALE
13	23IAMOS064	MONIKA S	FEMALE
14	23IAMOS073	THANUSHREEGOWDA T K	FEMALE
15	23IAMOS062	KAVYA P	FEMALE




Program Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

INDIAN ACADEMY

Degree College - Autonomous

FEEDBACK

Place: CIIRC – Centre For Incubation, Innovation, Research and Consultancy, Kanakkapura Road, Bengaluru, Karnataka 560082.

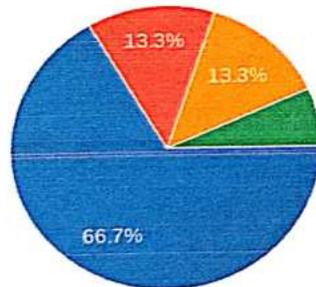
Date: 2nd and 3rd May 2024

Time: 9.30 – 5.30

Target students: I Semester M.Sc Microbiology.

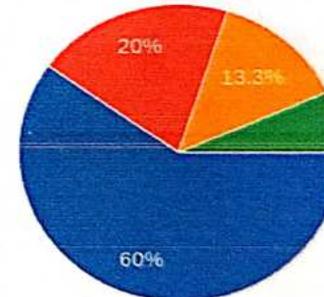
1. The Resource Person made me understand the concepts.

15 responses

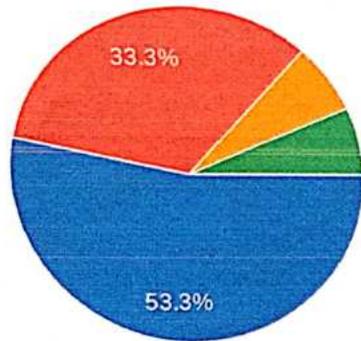


2. The Resource person provided useful information.

15 responses

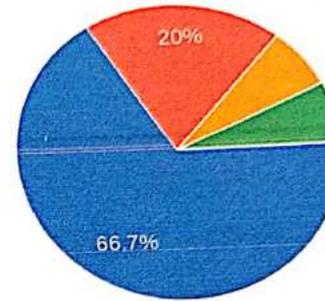


3. The Resource Person was responsive to participant's questions.
5 responses



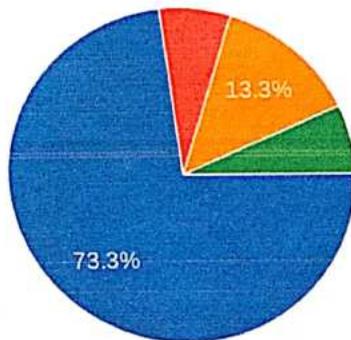
● Excellent
● Very Good
● Good
● Satisfactory

4. The Resource Person / Scientist discussed subject matter during the training.
15 responses



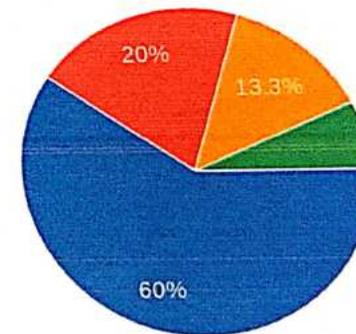
● Excellent
● Very Good
● Good
● Satisfactory

5. The visit was useful to strengthen research knowledge.
15 responses



● Excellent
● Very Good
● Good
● Satisfactory

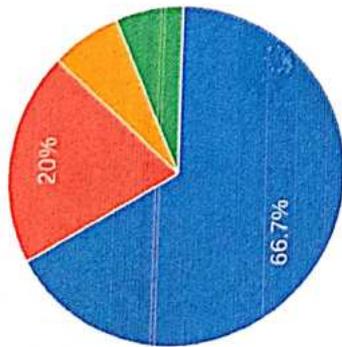
6. The location selected was appropriate to meet the stated objectives.
15 responses



● Excellent
● Very Good
● Good
● Satisfactory

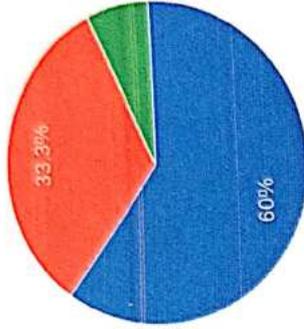


Did the visit meet your expectations?
3 responses



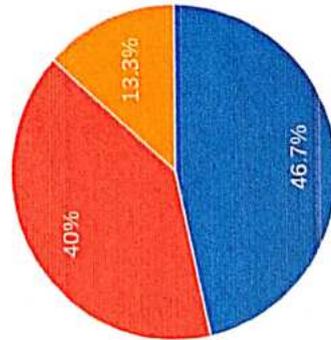
● Excellent
● Very Good
● Good
● Satisfactory

8. A teacher accompanied the students.
15 responses



● Excellent
● Very Good
● Good
● Satisfactory

9. The visit was well organized.
15 responses



● Excellent
● Very Good
● Good
● Satisfactory

Organized by: Dr. Malaiyarasa Pandian P
Coordinator - Microbiology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Accompanied by: Dr. S. Anu Kiruthika

Program Coordinator : Dr. Malaiyarasa Pandian P

HOD Life Sciences: Dr. H Ananda Vardhan

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Principal: Dr. N. Thilaka

Principal

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



No.: 105

Dated 16-Apr-2024

Indian Academy Degree College
Hennur Cross, Hennur Main Road, Bangalore
E-Mail : accounts@indianacademy.edu.in

Receipt

Received with thanks from : DR.MALAIRASAN PANDIAN

The sum of : Indian Rupees Seventeen Thousand
Seven Hundred Only

By : Cash

Remarks : TOWARDS WORKSHOP FOR I SEM
MSC - MB - 15 STUDENTS @ RS.1180/-

₹ 17,700.00/-

[Signature]
Authorised Signatory



CONTACT

Faculty coordinators

- Dr. Venkatesh N.S. - 9872922097
- Dr. Suma T.K. - 9741417346
- Prof. Magdalene Daniel - 9866527063
- Dr. Md. RafiqKhan - 9003715721
- Dr. Sahithya K - 8317457386
- Prof. Ashish Wilson - 8197468469
- Dr. Arati Mohapatra - 9886796753
- Prof. Adeeba Ahmed - 7829673652
- Dr. Abhiram J - 9036601212
- Prof. Umashankari - 99866661600

Student Coordinators

- Sanjay H.R. (4sem MSc) - 8548890978
- Harikeerthana (6sem BSc) - 9742507688
- Manjit (4sem BSc) - 9066758620
- Jyothi Harpal (6sem BA) - 6370024733
- Nithin (4sem BCom) - 7019762867
- Monisha (4sem BCom) - 9480709706
- Indrajit Kumar (6sem BCA) - 7899818522
- Arshiya (BBA) - 8147012331
- Salma (BBA) - 8088787384

iaccaiprcell@gmail.com
dr.venkatesh@iadc.ac.in
dr.suma_biochem@iadc.ac.in



080-67459900 / +91-9901110757
admissions@indianacademy.edu.in
www.iadc.ac.in



HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043
Indian Academy Degree College - Autonomous
Hennur Main road, Kalyan Nagar Post
Bangalore - 560043

Arati

INDIAN ACADEMY

Degree College - Autonomous



IPR CELL

Organizes

SHRISTI: 2023

IDEATION CHALLENGE

Theme:

"Sustainable Development: Products and Solutions"

LAST DATE FOR REGISTRATION FOR THE EVENT - 4th July, 2023
LAST DATE FOR THE SUBMISSION OF NOVEL IDEA - 6th July, 2023

FINALE OF IDEATHON - 11th July, 2023

Organizing Committee

Dr. Thilaka N
Principal, IADC-A

Dr. Dwarakanath B.S.
Research Advisor, IADC-A

Event Coordinators

Dr. Venkatesh N.S.
Principal Scientist, IA-CLSR-Lab

Dr. Suma T.K.
IPR Cell Coordinator, IADC-A

Prof. Magdalene Daniel, Dr. Md. RafiqKhan, Dr. Sahithya K.
IPR Cell members, IADC-A





ABOUT THE EVENT

Sustainable Development : Products and Solutions

"SHRISTI : 2023"

In association with KSCST and DBT STAR College program

Sustainable development means an approach to societal development that meets the needs of the present, without compromising the ability of future generations to meet their own needs. The idea of sustainability through sustainable development was introduced in order not to drain out the resources of the universe for the future of mankind. It is the modern-day mantra to protect the natural resources, which have been bestowed upon each one of us by the mother earth.

The concept of Sustainable Development, its need, and approaches to achieve it were addressed in greater detail in the Brundtland report of the World Commission on Environment and Development in 1987. Sustainable development gives the opportunity to use the available resources judiciously and working towards maintaining the ecological balance. Sustainable practices support ecological, human and economic health and vitality.

To encourage the idea of Sustainable Development in the minds of young students, the IPR cell of Indian Academy Degree College (Autonomous) takes pride in organizing

SHRISTI : 2023 in association with KSCST IP Cell and DBT STAR College program, a platform for students to pitch in their ideas on how to help the society and thereby instilling in them a sense of belonging to the society. Here students can showcase their creative and innovative ideas which can be carried forward to the next level by incubating them, with the support of IADC-A and industries for developing products and processes of value to the society.

SHRISTI : 2023 is a team based competition open to students of all disciplines. Students need to submit their ideas on the theme Sustainable Development Products and Solutions, which will be judged by renowned members of industry. Best entries will be awarded attractive prizes, with additional benefits.

Key Features /Advantages to the Winners

Top three ideas/models/prototypes will be awarded with cash prizes



The best team will be supported by IA-CLSR-lab to preincubate for a period of 3 months Start-up opportunity at IADC-A in collaboration with industry

RULES AND REGULATIONS OF THE EVENT

- The competition "IADC-A: SHRISTI, 2023" is open to all UG/PG students of all disciplines of IADC-A.
- Team can consist of minimum of 2 participants and a maximum of 4 participants. Team should identify a team leader.
- Registration Fee of Rs. 100 (per team) is to be deposited as per the registration guidelines.
- The ideas should be original and innovative.
- (If at any stage of competition, plagiarism is discovered by the organizers, the participant shall be disqualified and next participant shall be offered a chance.)
- All submitted ideas shall be evaluated by a panel of external experts.
- Participants who wish to present their idea are required to bring their own laptops, chargers and essential accessories, models, etc., during the event.
- Mentor support is allowed, but mentor will not be counted as the part of the team. Mentor can be IADC-A faculty only.
- A Team can exit at any time by submitting a consent letter.
- The Idea should be in line with the event scope "Sustainable Development Products or its Solutions".
- Evaluation Criteria shall be a combination of factors such as
 - The power of ideas in terms of its ability to solve a real problem
 - How the idea stands with respect to alternate solutions available
 - The progress made by the participant during the event to make the idea as real as possible,
 - Interest/willingness of the participant to build a startup with the proposed idea
- Kindly note additional weightage will be given to the team with participants from different disciplines if the idea is considered for shortlisting.



INDIAN ACADEMY

Degree College - Autonomous

IPR Cell

Report on Ideathon Challenge SHRISTHI-2023

A novel idea competition on

“Sustainable Development: Products and Solutions”

11th July 2023

Title of the Event: “Ideathon Challenge SHRISTHI-2023, a novel idea competition on the theme “Sustainable Development: Products and Solutions”

Venue: Multipurpose Hall, IADCA

Date: 11th July 2023

Time: 10:00 am to 4.00 pm

Beneficiaries: all UG and PG students of IADCA

Learning Objectives

1. To give an opportunity to students to uncover, explore new angles and avenues and think outside the box
2. To provide a platform to showcase creativity and innovative thinking
3. To encourage the students to brainstorm and ideate their own new ideas for building a new company or a start-up.

Learning outcomes:

At the end of the competition, students will be able to

1. Be innovative and look for finding creative and focused solutions to individual problems.
2. To develop a process of generating and developing new ideas to solve a problem or improve a product, process, or service.
3. To understand the procedures to convert the research outcome into patents and innovations into proprietary assets.

Details about the event:

The IPR Cell, IADC-A along with Dr. N.S. Venkatesh, Principal Scientist, Department of Life Sciences, IADC-A organised an Ideathon Challenge titled **SHRISTHI-2023**, a novel idea competition, for all UG and PG students of IADCA. The theme of the challenge was “Sustainable Development: Products and Solutions”.

Nearly 45 teams registered with the link provided, each team with 3-4 members per group. Since it was open to all undergraduate and postgraduate branches, students from all disciplines were among the registering teams (9 UG, 35 PG and 1 MBA). Following registration, all groups were required to submit a detailed account of their idea in the submission format provided. The preliminary round of presentations was conducted on 8th July 2023 for selection of best ideas for the final round on 11th July. Students presented their ideas and were judged on various factors like the technology behind that idea, its business values, its social impact and its viability. All the ideas were judged by reputed faculties at our institution. Final selected presentations were held on 11th July in front of eminent external judges, and best three ideas were awarded cash prizes. All the participants were awarded participation certificate. The Chief Guest of the event was Dr. U.T. Vijay, Executive Secretary, Karnataka State Council for Science & Technology (KSCST). This event served as a platform for people to show out their ideas, get valuable suggestions and reviews from the judges.

Timeline of the event

Last date for registration: 20th June 2023

Last date for submission of ideas: 6th July 2023

Preliminary round: 8th July 2023

Judging of submitted ideas, Award of prizes to best ideas: 11th July 2023

Registration and idea submission for Shrishti

Students of various disciplines registered for participation in the ideathon competition. They submitted their ideas to the committee which were evaluated on the following main criteria:

- The technology behind that idea
- The business values
- The social impact
- The viability and feasibility of the idea

Participating teams were required to submit their paper in PDF format, which included graphs, pictures, diagrams, flow charts, etc. The report had a cover page with paper title, name of the participants, their contact information and their affiliation.

FIRST ROUND of Shrishti

45 teams were selected after reviewing the report of the ideas submitted by them and a preliminary round of presentations were held on 8th July 2023, participants made a ppt presentation in front of a panel of inhouse judges. Judging was based on innovativeness, feasibility of the presented idea, clarity of thought and idea and depth of research. The presentation was followed by a question answer round where the judges asked questions regarding the presentation. The Judge's decision remains final in all respect.

Judges of First Round (8th July 2023):

Dr. B.S. Dwarakanath, Research Advisor, IADCA

Dr. N.S. Venkatesh, Principal Scientist, IADCA

Dr. Abhiram J, Dept of Physics

Ms. Shobha, SWO Officer

FINAL ROUND of Shristhi

16 teams were selected after reviewing the preliminary round of presentations and the final round of Shristhi competition was held on 11th July 2023 in front of a panel of external judges. In final round participants had to present in front of two judges. Teams had to prepare a PowerPoint presentation and were asked to explain everything about their idea and their project- what will be the future of their project, what will be the expense of implementing the project, how they will increase their customers, how it will be useful to the people, and the organization implementing it. The presentation was followed by a question answer round where the judges asked questions regarding the presentation. Many suggestions were given by judges to the teams on how they can improve their ideas.

Chief guest:

Dr. U.T. VIJAY, Executive Secretary, Karnataka State Council for Science & Technology (KSCST)
Indian Institute of Science, Bengaluru- 560 012, India.

Judges of Final Round (11th July 2023):

1. Dr. Dwarakanath B.S., Research Advisor, Indian Academy Degree College (Autonomous), Bangalore.
2. Dr. Dephan Pinheiro, M Sc, M Phil, PhD, Professor of Chemistry, Department of Chemistry, Christ (Deemed to be University), Hosur Road, Bangalore, India.
3. Mr. Vineeth Kumar S R, Project Engineer, KSCST.

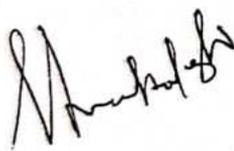
Prize winners of Shristhi

Prize	Name of students	Course	Idea presented	Cash Prize awarded
First	Abhilasa Bhattacharya	2sem MSc Microbiology	Release of blood clots by using bacillus clausii ABK25 as a probiotic product for preventing cardiovascular diseases like heart failures	Rs. 10,000
Second	Chaithra S Akshay K.T.	4sem MSc Biochemistry 4sem MSc Organic	Nano-Biocheck: A Sustainable, Innovative and multimode Nano-Optical Biosensor development,	Rs. 5,000

		Chemistry	Using novel Transducers and Optical Reader Device with Smartphone	
Third	Sanjay H.R. Sriram Vijayalakshmi Niveditha M	4sem MSc Biochemistry	INJALA- A cost effective grey water treatment cartridge-packed with agro-waste derived protein nanofibrils and activated charcoal nanosorbent matrix	Rs. 2,500

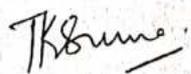
Outcomes and future prospects

This event was conceived to provide a platform for students to think of novel ideas, to show out their ideas, get valuable suggestions and reviews from the judges. This event may also serve as a stepping stone to start building ideas into products. The event helped each team to give exposure to their ideas so that they can come to know about the drawbacks in their ideas and think of how to overcome them. Following this event, the winning teams will be offered to provide startup related support and mentorship. Our industrial / academic experts also intend to give their valuable suggestions for the betterment of each project and guide them. Overall, the event nurtured the potential and gave all the participants a platform to showcase their innovative ideas and projects and improve further to achieve heights of success in this competitive world.

r. Venkatesh : 

r. Suma : 

Event Coordinators


IPR Cell Coordinator
(Dr. Suma.T.K.)


Principal
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



INDIAN ACADEMY

Degree College - Autonomous

IPR Cell
Ideathon Challenge SHRISTHI-2023
A novel idea competition on
“Sustainable Development: Products and Solutions”
11th July 2023



HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

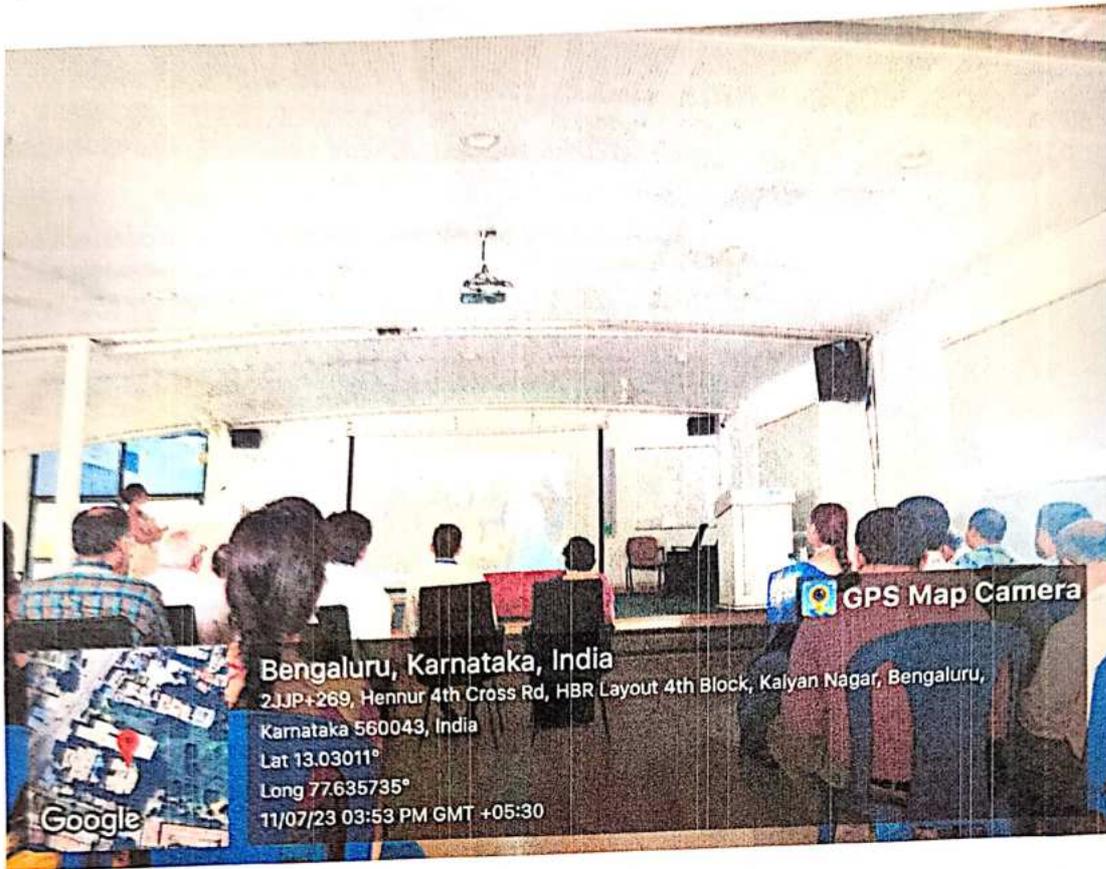


Aradhana
 HEAD

Department of Life Sciences
 Indian Academy Degree College - Autonomous
 Bangalore - 560043

Principals
 PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
 AUTONOMOUS
 HENNUR MAIN ROAD
 BENGALURU - 43



Bengaluru, Karnataka, India
2JJJ+269, Hennur 4th Cross Rd, HBR Layout 4th Block, Kalyan Nagar, Bengaluru,
Karnataka 560043, India
Lat 13.03011°
Long 77.635735°
11/07/23 03:53 PM GMT +05:30

Google

GPS Map Camera



Bengaluru, Karnataka, India
230, Hennur Main Rd, Meganahalli, Kalyan Nagar, Bengaluru, Karnataka 560043, India
Lat 13.030078°
Long 77.63554°
11/07/23 03:58 PM GMT +05:30

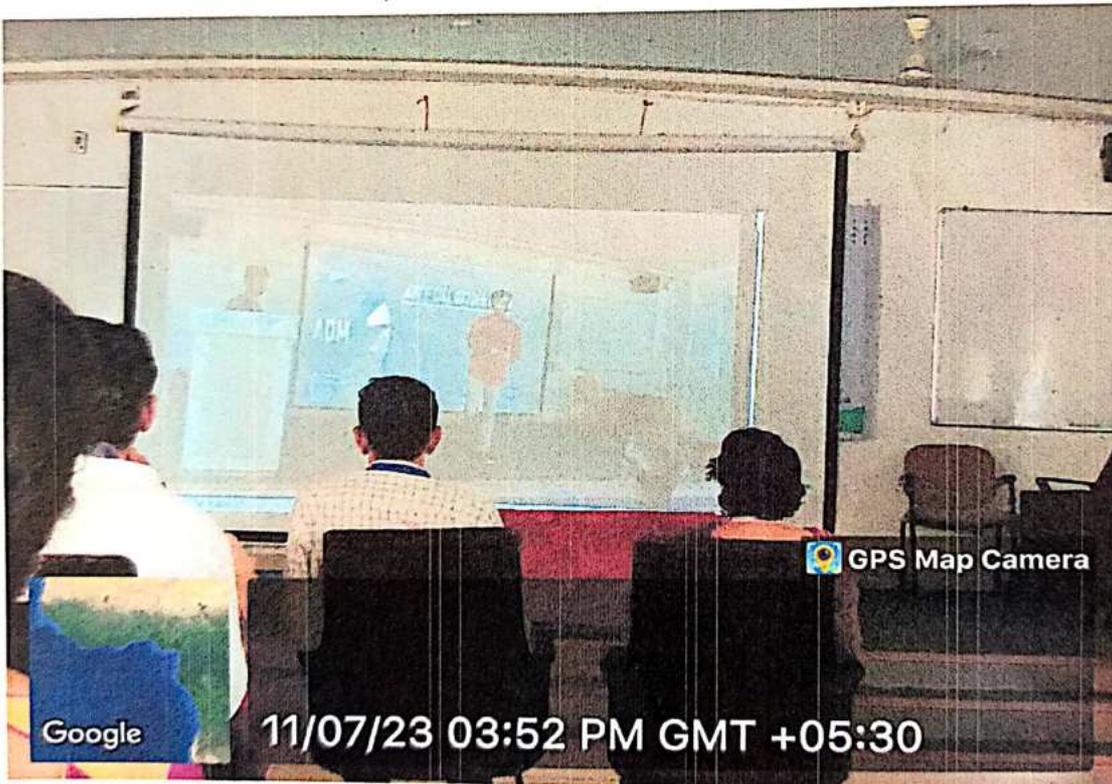
Google

GPS Map Camera

Indian Academy Degree College - Autonomous
Bengaluru - 560043

INDIAN ACADEMY DEGREE COLLEGE
230, HENNUR MAIN ROAD
BENGALURU - 43

FINAL ROUND - 11th JULY



Analy

HEAD
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

Arish

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



TKhanna
Event coordinators

TKhanna
IPR Cell Coordinator

Principal
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

LE NANDI FILE
NANDI FILE NANDI FILE NANDI FILE NANDI FILE NANDI FILE NANDI FILE NANDI FILE



Intellectual Property Rights (IPR) Cell
in Association with
Karnataka State Council for Science and Technology
Organises
Faculty Development Programme (FDP) On
PATENT DRAFTING, TRADEMARK
AND COPYRIGHT FILING

Dr. M S Annapurna Kishore Kumar
Regd. Patent Agent Govt of India, Dr. N.S.A.M. First Grade College, Bengaluru.



 Topic	Patent Drafting.
 Date & Time	27 th October 2023, 11:00 am to 04:00 pm
 Venue	IADC-A, BCA Computer Lab
 Target Audience	<ul style="list-style-type: none">• Faculty of Department of Life Sciences• Department of Physical Sciences• Department of Computer Science

Mr. Nagarjun M G
Project Associate, Karnataka State Council for Science and Technology, Bengaluru.



 Topic	Copyright Issues and Filing Procedures.
 Date & Time	28 th October 2023, 10:00 am to 11:15 am
 Venue	Seminar Hall - II, IADC-A
 Target Audience	<ul style="list-style-type: none">• Department of Business Administration• Department of Commerce• Department of Humanities• Department of Languages• Department of Physical Education

Mr. Janna Teja B
Regd. Patent and Trademark Agent, Principal Attorney Inproedge IP, Startup Facilitator for Patents and Designs, Gol.



 Topic	Role of Trademarks Protection and Business Development.
 Date & Time	28 th October 2023, 11:15 am to 12:15 pm
 Venue	Seminar Hall - II, IADC-A
 Target Audience	<ul style="list-style-type: none">• Department of Business Administration• Department of Commerce• Department of Humanities• Department of Languages• Department of Physical Education

Coordinators: Dr. Erumalla Venkata Nagaraju
Dr. Monika Bajpai
Dr. Suma T K
Dr. Venkatesh N S

Dr. Abhiram J
Dr. Kalaiyarasu T
Prof. Kesavan
Prof. Divya Aradhana S


Dr. N. Thilaka
Principal, IADC-A

Prof. Rajarajan P
Vice-Principal, IADC-A

INTELLECTUAL PROPERTY RIGHTS (IPR) CELL

**Faculty Development Programme (FDP)
on Patent Drafting, Trademark and Copyright Filing
on 27th and 28th October 2023**

- 1. Title of the Event and the Funding Agency:** FDP on "Patent Drafting, Trademark and Copyright Filing", organized by IPR Cell, IADCA in association with Karnataka State Council for Science and Technology
- 2. Venue:** Seminar Hall II and Computer Science Labs
- 3. Date:** 27th and 28th October 2023
- 4. Time:** 11.00am to 4pm
- 5. Name of the Resource Persons:**
 - Dr. M S Annapurna Kishore Kumar, Regd. Patent Agent Govt of India, Dr. N.S.A.M. First Grade College, Bengaluru.
 - Mr. Nagarjun M G, Project Associate, Karnataka State Council for Science and Technology, Bengaluru.
 - Mr. Jnana Teja B, Trademark Agent, Principal Attorney Inproedge IP, Startup Facilitator for Patent and Designs, GoI.


PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Kalyan Nagar
Bengaluru - 43.

6. Broad Aim of the Event:

The event is conducted to enlighten and motivate faculties towards drafting patents, trademark and copyrights.

While most patent applicants are well informed about the filing process, there seems to be lack of awareness about how important patent drafting is: the patent will draw this imaginary boundary between what infringes on a patent what does not. Particularly SMEs, start-ups and independent innovators tend to face challenges in understanding how the protection defined in the techno-legal document called "complete specification" is enabled and how exactly the patent specification is used when it comes to enforcing their rights in India and elsewhere.

This FDP is aimed to create an understanding regarding the several aspects of intellectual property rights. It will emphasize on the usage of IPR in academics and it will also help the participating faculty members to comprehend the importance of copyright. In this FDP, the participants will be trained the basics of filing process, publishing, and granting of a patent.

7. Objectives:

- To enlighten faculties and get used to know-how on patenting, trademark and copyright.
- To provide awareness and hands on session on how to draft a patent and how to file it, with patent drafting procedures and patent documentation.
- To comprehend the significance and usage of trademarks and copyrights.

8. Outcomes:

- To understand the importance of intellectual property rights and its landscape for commercialization
- To enhance the basic understanding of the filing process of patents and importance of patents in academia.
- To explore the possibility of collaboration with the expert resource persons as external advisory members to the IPR cell.

9. Brief details about the event:

The IPR Cell of IADCA organized an FDP on “Patent Drafting, Trademark and Copyright Filing”, in association with Karnataka State Council for Science and Technology. The two day program was conducted in Seminar Hall II and Computer Science Labs on 27th and 28th October 2023 from 11.00am to 4pm for all faculty of IADCA.

DAY 1 : FDP on Patent Drafting

The resource person on 27th October was Dr. M S Annapurna Kishore Kumar, Regd. Patent Agent Govt of India, Dr. N.S.A.M. First Grade College, Bengaluru. She delivered an expert talk on “Patent Drafting” and followed it with a hands-on training session on the procedures for drafting a patent.

The session started with explaining what the different types of IPR that we need are. To protect our invention, one needs a patent, trademark, copyright, marketing plan, trade secrets, or some combination of these. Intellectual property (IP) refers to creations of the mind, such as inventions; literary and artistic works; designs; and symbols, names and images used in

commerce. IP is protected in law by, for example, patents, copyright, and trademarks, which enable people to earn recognition or financial benefit from what they have invented or created.

She then explained who can apply for patent, what can or cannot be patented, what is the timeline of the patent and the cost involved. Once it is identified what kind of patent is needed, one needs to understand what the different types of patent applications and proceedings are.

Patents are a driver for innovation, means for commercialisation and technology transfer and a tool for keeping the competition in check. Patents do not only offer monopoly over one's innovation for a given period of time but also provide an imaginary boundary protecting an invention. In that way, anyone who without prior permission of a patent holder, uses, sells, manufactures or imports a product or uses or executes a process which is protected by a patent, 'trespasses' said boundary and infringes on the patent rights.

Topics covered during this session were introduction to Intellectual Property Rights (IPRs), forms of IPR, IPR Laws in India, Indian Patent Office website, information about forms available for patent filing, workflow of IPO patent filing procedure and the process of patent filing itself.

The second session was a hands-on training program in computer lab. The resource person explained the steps involved in patent drafting process for a better understanding of patents and patents filing process. The speaker provided information regarding the procedure for processing of patent Application at Indian Patent Office, the types of patent application, requirement and forms to be submitted during patent application, precautions and steps to be followed before filing patent application. She also indicated the importance of prior patent search.

A patent draft is a technical document presented in a legal format that has two primary functions: (a) establish novelty and (b) establish inventive step or non-obviousness of an invention. The patent draft should be drafted in a manner to fully or particularly describe an invention, as a result allowing a person skilled in the art to perform the invention without any undue diligence. We should always keep in mind that the purpose of a patent draft or specification is to highlight the existing problem in the current state of the art or technology and provide a solution, which is new and not obvious to a person skilled in the art. It is paramount to communicate the invention in a written format and to comply to the statutory requirements for smooth and faster prosecution.

The participants were given a task regarding preparing the document for filing a particular patent. Going through the IPO website, the task was done, with the filing.

DAY 2 : Copyrights and Trademarks

On 28th October, the FDP included two eminent speakers who enlightened the faculty on the topics of copyrights and trademarks.

The event formally began with an introduction of the first Guest Speaker Mr. Nagarjun M G to the audience. Mr. Nagarjun, Project Associate, Karnataka State Council for Science and Technology,

According to the Copyright Act, copyright subsists in original literary, dramatic, musical and artistic work, cinematographic films and sound recordings. In the context of academic research, understanding the basics of copyright is crucial for researchers, institutions, and publishers to navigate the complex landscape of intellectual property. Copyright law can facilitate the recognition and commercial exploitation of academic and research work in the academic context. This is possible through the economic and moral rights protected under the Copyright Act. Legally protecting one's academic work can reduce the chances of illegal duplication and plagiarism-related activities. It may also expedite the legal actions taken against those committing unethical research practices.

The speaker kept the audience quizzing about copyright regulations that can be well connected with the academic audience. He also briefed on the copyright violation and kept the audience engaged with a lot of recent infringement cases. He further encouraged faculties to file copyright through <https://copyright.gov.in/>. With his scintillating lecture, he encouraged faculty members to get engaged with the copyright drive.

The second guest speaker of the day was Mr. Jnana Teja, Trademark Agent, Principal Attorney Inproedge IP, Startup Facilitator for Patent and Designs, GoI. The topic was trademarks and their significance. He briefed on the importance of IP and gave an overview on trademarks. A trademark is an easily recognizable symbol, phrase, or word that denotes a specific product. It legally differentiates a product or service from all others of its kind and recognizes the source company's ownership of the brand. Trademarks may or may not be registered. Although trademarks do not expire, the owner must make regular use of it in order to receive the protections associated with them. Mr. Teja came up with a lot of real life examples and kept the audience intrigued on the topic of trademarks and its approach.

Both the sessions gave many insightful facts about the intellectual property and IP filing techniques and the participants found it very helpful. The sessions were accompanied with interaction between the audience and the speakers.

Overall, the program provided attendees with a comprehensive understanding of intellectual property rights, their role in research and innovation, and practical insights into the Indian Patent System. The combination of theoretical concepts, historical context, practical examples, and submission tips ensures that participants gain valuable knowledge and skills related to IPR protection and utilization.

INDIAN ACADEMY

Degree College - Autonomous

INTELLECTUAL PROPERTY RIGHTS (IPR) CELL

Faculty Development Programme (FDP)
on Patent Drafting, Trademark and Copyright Filing
on 27th and 28th October 2023

Photographs

DAY 1 : Patent filing guest lecture





DAY 1 : Hands-on training session on patent filing in computer lab

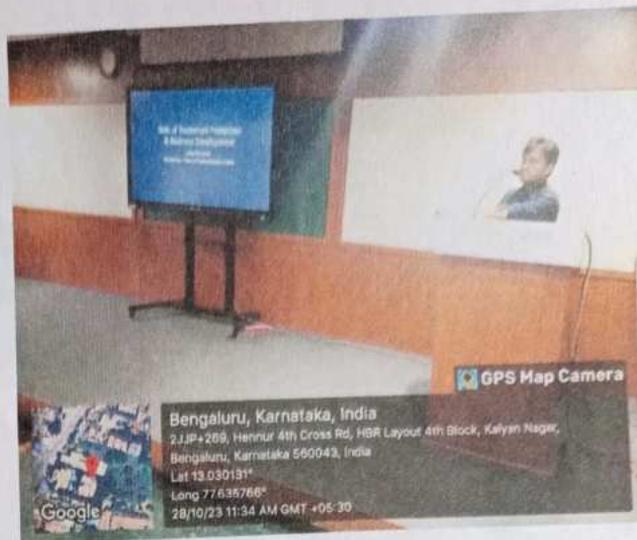




DAY 2 : Guest lecture on Copyrights



DAY 2 : Guest lecture on Trademarkss



aw
IPR Cell Coordinator

Principal

Principal
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

INDIAN ACADEMY

Degree College – Autonomous



BHAT BIO - TECH INDIA (P) LTD
INFINITE POSSIBILITIES FOR A HEALTHIER TOMORROW

IACLSR Lab and IACPE

In Association with

Bhat Biotech India Pvt Ltd

Organizes



INSTITUTION'S
INNOVATION
COUNCIL
(Member of IIRI Initiative)

INDUSTRY ORIENTED TRAINING PROGRAMME BIOSENSOR AND BIOANALYTICAL TECHNIQUES

(Demo and Hands-on Training)

📅 Tuesday, 5th March 2024

🕒 09:00am to 05:30pm

Highlight of the Course

- Knowledge - Orientation of the Topic
- Skills - Practicals, Trouble Shooting, Data Generation and Analysis (Hands-on and Demo)

Who can attend / Participate

- Both UG & PG Life Science Students and Faculty Members

Course Content

- Biosensor:
 - Optical Biosensor: Colorimetric (Lateral Flow Assay Human - IgG) and Fluorescence (Heavy metal detection)
 - Electrochemical Biosensor: Amperometric (Glucose)
- Bioanalytical Techniques: ELISA, UV-Visible Spectrophotometry

Value Creation

Industry-Oriented hands-on training programme is to impart value creation to the participants at Biotech Industry and Research.

Resource Persons

Dr Ramya, Sr Scientist, Bhat Biotech India Pvt Ltd - Hands-on training - ELISA

Dr N.S.Venkatesh, IA-CLSR-lab, IADC-A - Hands-on training - LFT, Glucose Biosensor, Heavy Metal

Dr Vanitha G Ramesh, Prof., Co-ordinator, IA-CLSR-lab, IADC-A - Knowledge orientation about ELISA

Dr T.K Suma, Assistant Professor, IADC-A - Knowledge orientation about UV-visible spectrophotometry

Workshop Organizing Committee

Dr. Shama Bhat, MD
Bhat Biotech India Pvt Ltd

Dr. N. Thilaka
Principal, IADC-A

Prof P. Rajarajan
Vice Principal, IADC-A

Dr. B S Dwarakanath
Research Advisor

Dr. H Ananda Vardhan
HoD, Life Sciences

Dr. Vanitha G Ramesh
Coordinator, IACLSR Lab

Dr. N.S.Venkatesh
Principal Scientist

IACLSR Lab Organizing Committee Members

Dr. Ramachandra Murthy T T S

Dr. Suma T K

Dr. Sangeetha Annie George

Dr. Sahithya K

Registration Fee: ₹ 750/-

Registration Link

<https://shorturl.at/hkuB5>

Payment Link

<https://shorturl.at/bmqAV>

Note

- Each participant will receive certificate, a registration kit and lunch.
- Last date for registration 29th Feb 2024

Eligibility:

B.Sc & M.Sc. Students & Faculty Members



INDIAN ACADEMY

Degree College - Autonomous

IACLSR Lab and IACPE

in association with BHAT BIOTECH INDIA PVT LTD Organizes

INDUSTRY ORIENTED TRAINING PROGRAMME on BIOSENSOR AND BIOANALYTICAL TECHNIQUES

(Demo and Hands-on Training)

5th March 2024

Title of the event: "Industry Oriented Training Programme on Biosensor and Bioanalytical Techniques (Demo and Hands-on Training)"

MoU partner: Bhat Biotech India Pvt Ltd

Venue: IACLSR Lab, IADCA

Date: 5th March 2024

Time: 09:00am to 05:30pm

Beneficiaries: UG & PG Life Science students and faculty members of IADCA and other institutions

Learning Objectives

- To enhance students' analytical skills for better job opportunities in the Life Science area
- To promote value generation among participants in Biotech industries and research
- To enable students to pursue careers in research.

Learning outcomes:

At the end of the competition, participants will be able to

- Acquaint with optical Biosensor: lateral flow assay, heavy metal detection
- Familiarize with Biosensor-Amperometric
- Get insights about bioanalytical techniques: ELISA, UV-Visible Spectrophotometry

Highlight of the course

Industry-Oriented hands-on training programme is to impart value creation to the participants at Biotech Industry and Research. This workshop with industry and in-house experts aimed at

- Knowledge orientation of the topic
- Skills – practical, trouble shooting, data generation and analysis



Course Content

- Biosensor:
 - Optical Biosensor: Colorimetric (Lateral Flow Assay Human - IgG)
 - Optical Biosensor: Fluorescence (Heavy metal detection)
 - Electrochemical Biosensor: Amperometric (Glucose)
- Bioanalytical Techniques: ELISA, UV-Visible Spectrophotometry

Resource Persons

- Dr Ramya, Sr Scientist, Bhat Biotech India Pvt Ltd - Hands-on training on ELISA
- Dr N.S.Venkatesh, IA-CLSR-lab, IADC-A - Hands-on training on LFT, Glucose Biosensor, Heavy Metal Detection
- Dr Vanitha G Ramesh, Prof., Co-ordinator, IA-CLSR-lab, Dept of Life Sciences, IADC-A - Knowledge orientation about ELISA
- Dr T.K Suma, Assistant Professor, Dept of Life Sciences, IADC-A - Knowledge orientation about UV-visible spectrophotometry

Details about the event:

A workshop for the benefit of UG & PG Life Science students and faculty members of IADCA and other institutions was organized jointly by IA-CLSR Lab and IACPE on 5th March 2024 from 9:00am to 05:30pm in IA-CLSR Lab, IADCA. This "Industry Oriented Training Programme on Biosensor and Bioanalytical Techniques" was conducted in association with Bhat Biotech India Pvt Ltd, Bangalore.

A total of 30 UG and PG Life Science students and 3 faculty of IADCA participated in the workshop, along with 3 UG students and 1 faculty of Acharya Bangalore B-School, Bangalore.

During the initial formal program, Dr. Sahithya K, Dept of Life Sciences, provided a brief preamble about the industry oriented workshop. Knowledge orientation on various topics was given by the 3 resource persons of IADCA, Dr N.S.Venkatesh, Dr Vanitha G Ramesh and Dr T.K Suma. Dr. N.S.Venkatesh introduced the topic of biosensors to the audience, particularly on the topics of lateral flow assay, glucose biosensor and heavy metal detection. Dr Vanitha G Ramesh provided the knowledge orientation about ELISA and Dr T.K Suma provided the knowledge orientation about UV-visible spectrophotometry. The demo and hands-on training was conducted by Dr Ramya, Sr Scientist, Bhat Biotech India Pvt Ltd and Dr N.S.Venkatesh, IA-CLSR-lab, along with the other program organizers.

This workshop brought together experts and those who are interested in the themes of the workshop. It included introductory lectures and hands on training in labs. The aim of the workshop was to share the

recent developments about biosensors and bioanalytical techniques in the fields of environmental analysis, clinical diagnosis, therapy and biotechnological applications.

The workshop mainly focussed on 4 topics – ELISA, Lateral flow assay, Glucose biosensor and heavy metal detection. Resources for training on ELISA, glucose biosensor and Lateral flow assay were provided from Bhat Biotech, to each participant. The training session started with human IgG ELISA, followed by urine hCG detection by the lateral flow assay strips. Glucose biosensor was demonstrated later along with heavy metal detection (mercury) in water by using fluorescent probes.

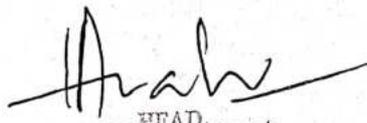
Outcomes and future prospects

In this workshop, foundational aspects of biosensor design and fabrication/production were covered and translated into clinical applications. In addition, the workshop explored the latest advances in biosensors and associated fields like digital health expert systems and diagnostics. Furthermore, it was an excellent opportunity to foster interdisciplinary collaboration, bringing together students, researchers, educators and industry professionals to share and discuss the recent trends and applications of biosensors. Participating students and faculty highly appreciated this opportunity for a practical training in the technology related to current trends in clinical and environmental research. Further, the institution aims to conduct more such programs to provide in-depth knowledge and practical training to the student community so as to enhance their employability skills and research orientation.



Event Coordinators

2. Dr. Suma T. K. 



HEAD
Head of Department
Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043



Principal

PRINCIPAL

INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Mennur Cross, Kaiyan Nagar
Bangalore - 43.

INDIAN ACADEMY

Degree College - Autonomous

IACLSR Lab and IACPE
in association with BHAT BIOTECH INDIA PVT LTD Organizes
INDUSTRY ORIENTED TRAINING PROGRAMME on
BIOSENSOR AND BIOANALYTICAL TECHNIQUES
5th March 2024

PHOTOGRAPHS



Arul

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

M. Srinivas
Officer (in-Charge)
Central Life Science Research Lab
Department of Life Science
Indian Academy Degree College (IADC-A)
BANGALORE-560043



(Handwritten Signature)
Officer (in-Charge)
Central Life Science Research Lab
Department of Life Science
Indian Academy Degree College (IADC-A)
BANGALORE-560043

(Handwritten Signature)
PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43



Shankar
 Officer (in-Charge)
 Central Life Science Research Lab
 Department of Life Science
 Indian Academy Degree College (IADC-A)
 BANGALORE 560043

Principal
 PRINCIPAL
 INDIAN ACADEMY DEGREE COL
 AUTONOMOUS
 HENNUR MAIN ROAD
 BENGALURU - 43



[Handwritten Signature]
Officer (in-Charge)
Central Life Science Research Lab
Department of Life Science
Indian Academy Degree College (IADC-A)
BANGALORE 560043

[Handwritten Signature]
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
HENNUR MAIN ROAD
BENGALURU - 43

1. *[Handwritten signature]*
[Handwritten initials]

Event coordinators

2. Dr. Sume. T. K.
[Handwritten signature]

[Handwritten signature]

Head of Department

HEAD

Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

[Handwritten signature]

Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Hennur Cross, Katyan Nagar
Bangalore - 43.