



Karnataka State Council for Science and Technology

(An autonomous organisation under the Dept. of Science & Technology, Govt. of Karnataka)

Indian Institute of Science Campus, Bengaluru – 560 012

Telephone: 080-23341652, 23348848, 23348849, 23348840

Email: office.kscst@iisc.ac.in, office@kscst.org.in ♦ Website: www.kscst.iisc.ernet.in, www.kscst.org.in

Dr. U T Vijay

Executive Secretary

24th April, 2023

Ref: 7.1.01/SPP/33

To,
The Principal,
Indian Academy Degree College – Autonomous,
Hennur Cross, Hennur Main Road,
Kalyan Nagar,
Bengaluru – 560 043

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_MSc_165

Ref : Project Proposal entitled **E-LEARNING APP FOR AGED /NON TECH SAVVY**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Mr. NITHISH KUMAR K S	Department	DATA SCIENCE
	Mr. MAHAMMED BAASHIK		
	Ms. SARANYA K		
	Ms. SNEHALATHA NANDIKOLAMATH		
Guide(s)	Mrs. APOORVA S	Sanctioned Amount (in Rs.)	6,000.00

Instructions:

- The project should be performed based on the objectives of the proposal submitted.
- Any changes in the project title, objectives or students team is liable for rejection of the project and your institution shall return the sanctioned funds to KSCST.
- Please quote your project reference number printed above in all your future correspondences.
- After completing the project, 2 to 3 page write-up (synopsis) needs to be uploaded on to the following Google Forms link <https://forms.gle/nWTaJjvrwzp3Wmvt6>. The synopsis should include following:
 - Project Reference Number
 - Title of the project
 - Name of the College & Department
 - Name of the students & Guide(s)
 - Keywords
 - Introduction / background (with specific reference to the project, work done earlier, etc) - about 20 lines
 - Objectives (about 10 lines)

- 8) Methodology (about 20 lines on materials, methods, details of work carried out, including drawings, diagrams etc)
 - 9) Results and Conclusions (about 20 lines with specific reference to work carried out)
 - 10) Scope for future work (about 20 lines).
- e) In case of incometed projects, the sanctioned amount shall be returned to KSCST.
 - f) The sanctioned amount will be transferred by NEFT to the bank account provided by the College/Institute.
 - g) The sponsored projects evaluation will be held in the Nodal Centre/Online Mode and the details of the same will be intimated shortly by email / Website announcement.
 - h) After completion of the project, soft copy of the project report duly signed by the Principal, the HoD, Guide(s) and studetn(s) shall be uploaded in the following Google Forms Link <https://forms.gle/YWz56TrGg7fnSQgc7>. The report should be prepared in the format prescribed by the university.

Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
DATA SCIENCE
INDIAN ACADEMY DEGREE COLLEGE (AUTONOMOUS), BENGALURU
- 2) Mrs. APOORVA S
DATA SCIENCE
INDIAN ACADEMY DEGREE COLLEGE (AUTONOMOUS), BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU

INDIAN ACADEMY

Degree College - Autonomous

DEPARTMENT OF COMPUTER SCIENCE

Report on

E-LEARNING APP FOR AGED / NON-TECH SAVVY

Project Reference Number: 46S_MSc_165

Name of the students

Name: Nithish Kumar K S

Email Id: nithish.21iamos123@iadc.ac.in

Contact No.: +91 8095865937

Name: Mahammed Baashik

Email Id: mahammed.21iamos122@iadc.ac.in

Contact No.: +91 7026743213

Name: Saranya K

Email Id: saranya.21iamos124@iadc.ac.in

Contact No.: +91 9686680096

Name: Snehalatha Nandikolamath

Email Id: snehalatha.21iamos125@iadc.ac.in

Contact No.: +91 9686994282

Project Guide

Name: Ms. Apoorva S.

Email Id: apoorva_compscience@iadc.ac.in

Contact No.: +91 8762356679

INDIAN ACADEMY

Degree College - Autonomous

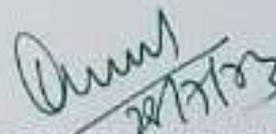
CERTIFICATE

This is to certify that **Mr. Nithish Kumar K S (21IAMOS123)**, **Mr. Mahammed Baashik (21IAMOS122)**, **Ms. Saranya K (21IAMOS124)** and **Ms. Snehalatha Nandikolamath (21IAMOS125)**, students of M.Sc. Data Science, **Indian Academy Degree College - Autonomous**, Bengaluru has successfully completed the **KSCST project** under **46th series student project programme** on **"E-LEARNING APP FOR AGED / NON-TECH SAVVY"** (Project Reference Number: **46S_MSc_165**).



PROJECT GUIDE

[APOORVA S.]



HEAD OF THE INSTITUTION

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

DECLARATION

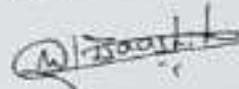
We, Nithish Kumar K S, Mahammed Baashik, Saranya K, Snehalatha Nandikolamath, the students of M.Sc. Data Science at Indian Academy Degree College, Autonomous, Bengaluru, hereby declare that this project report titled "E-LEARNING APP FOR AGED / NON-TECH SAVVY" is our original work. We have not submitted this report for assessment elsewhere, and all sources of information used have been duly acknowledged in the bibliography.

Date: July 28, 2023

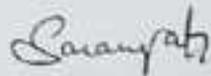
Nithish Kumar K S



Mahammed Baashik



Saranya K



Snehalatha Nandikolamath





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24th April, 2023

Ref: 7.1.01/SPP/33

To,
The Principal,
Indian Academy Degree College – Autonomous,
Hennur Cross, Hennur Main Road,
Kalyan Nagar,
Bengaluru – 561 043

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_MSc_120

Ref : Project Proposal entitled **IN-VIVO AND IN-VITRO ANALYSIS FOR THE DEVELOPMENT OF COST EFFECTIVE PROBIOTIC AND MUFA RICH PROTEIN DIETARY SUPPLEMENT FOR ADULT AGE GROUPS**

We are pleased to inform that your student project proposal referred above, has been approved by the Council under "Student Project Programme - 46th Series". The project details are as below:

Student(s)	Mr. SHASHANK V	Department	MICROBIOLOGY
	Ms. VAISHNAVI GANAPATI ACHARYA		
	Mr. RANJITH KUMAR G S		
	Ms. SANJOTA K PETKAR		
Guide(s)	Prof. RAJARAJAN. P	Sanctioned Amount (in Rs.)	6,000.00

Comments / Suggestions of the Experts

1. Strength of evidence for functional foods currently in India
2. Can probiotics improve therapeutic outcomes for malnourished individuals of adult age groups?
3. Model systems to test the effectiveness of potential probiotics

Instructions:

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 - 1) Project Reference Number
 - 2) Title of the project
 - 3) Name of the College & Department

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT REPORT ON

**“*IN-VITRO* ANALYSIS FOR THE DEVELOPMENT OF COST-EFFECTIVE
PROBIOTIC AND MUFA RICH PROTEIN DIETARY SUPPLEMENT FOR ADULT
AGE GROUPS”**

Submitted by

**RANJITH KUMAR G S (21IAMOS146),
SANJOTA K PETKAR (21IAMOS148),
SHASHANK V (21IAMOS150),
VAISHNAVI GANAPATI ACHARYA (21IAMOS154)**

Under the guidance of

**Prof. P Rajarajan , M.Sc., M.Phil.,
Vice Principal and Professor**

**Submitted in partial fulfillment of the requirement
for the award of the degree of
MASTER OF SCIENCE IN MICROBIOLOGY**

**DEPARTMENT OF LIFE SCIENCE- MICROBIOLOGY
INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS
(Affiliated to Bengaluru North University)
Kalyan Nagar, Bangalore-560043**

SEPTEMBER-2023

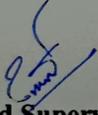
INDIAN ACADEMY

Degree College - Autonomous

BONAFIDE CERTIFICATE

This is to certify that this dissertation entitled, "IN-VITRO ANALYSIS FOR THE DEVELOPMENT OF COST-EFFECTIVE PROBIOTIC AND MUFA RICH PROTEIN DIETARY SUPPLEMENT FOR ADULT AGE GROUPS" submitted by RANJITH KUMAR G S (21IAMOS146), SANJOTA K PETKAR (21IAMOS148), SHASHANK V (21IAMOS150), VAISHNAVI GANAPATI ACHARYA (21IAMOS154) in partial fulfillment of the requirements for the degree of MASTER OF SCIENCE IN MICROBIOLOGY to Indian Academy Degree College - Autonomous, Bengaluru, is based on the work carried out by them under my guidance and supervision. It is also certified that this dissertation or any part thereof has not been submitted elsewhere for any other degree.

Date: 12/10/23



Guide and Supervisor

Prof. Rajarajan P

Vice Principal

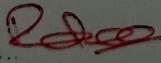


Programme- Coordinator

Dr. Malaiyarasa Pandian P

Professor

INDIAN ACADEMY DEGREE COLLEGE
Bengaluru
EXAMINERS

Examiners:
1. 
2. 
Date: 12/10/2023

INDIAN ACADEMY

Degree College - Autonomous

DECLARATION

We hereby declare that the thesis entitled “**IN-VITRO ANALYSIS FOR THE DEVELOPMENT OF COST-EFFECTIVE PROBIOTIC AND MUFA RICH PROTEIN DIETARY SUPPLEMENT FOR ADULT AGE GROUPS**” submitted by us, for the award of the degree of Master of Science in Microbiology to Indian Academy Degree College-Autonomous is a record of Bonafide work carried out by us under the supervision of **Prof. P Rajarajan**, Vice principal and Professor, Department of Life Sciences - Microbiology, Indian Academy Degree College-Autonomous, Bengaluru.

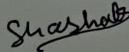
We further declare that the work reported in this thesis has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.



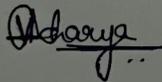
RANJITH KUMAR G S (21IAMOS146),



SANJOTA K PETKAR (21IAMOS148),



SHASHANK V (21IAMOS150),



VAISHNAVI GANAPATI ACHARYA (21IAMOS154)

Place: Bengaluru

Date: 12/10/23



**KARNATAKA STATE COUNCIL FOR SCIENCE AND
TECHNOLOGY (KSCST), BENGALURU**

&

**ALVA'S
INSTITUTE OF ENGINEERING & TECHNOLOGY
MIJAR, MOODUBIDIRE**

46th Series KSCST
Student Project Programme
Seminar and Project Exhibition

11th & 12th August, 2023



Venue

Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar
Moodubidire - 574 225, Mangaluru

INAUGURAL FUNCTION

46th Series KSCST

Student Project Programme
Seminar and Project Exhibition

Friday 11th August 2023

Time: 10.30 AM

*Venue: AIET Auditorium, Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar, Moodubidire*

Inauguration by

Sri N. S. Boseraju

Hon'ble Minister for Minor Irrigation Department,
Science and Technology Department, Government of Karnataka

Chief Guest

Sri Umanatha Kotian

Member of Legislative Assembly
Mulki - Moodubidire Constituency

Guest of Honour

Prof. Ashok M. Raichur

Secretary, Karnataka State Council for Science and Technology
Professor, Department of Materials Engineering, Indian Institute of Science

President

Dr. M. Mohan Alva

Chairman, Alva's Education Foundation

Dr. Peter Fernandes

Principal

Alva's IET, Moodubidire

Dr. U. T. Vijay

Executive Secretary

KSCST, Bengaluru

VALEDICTORY AND BEST PROJECT OF THE YEAR AWARDS PRESENTATION FUNCTION

46th Series KSCST

Student Project Programme
Seminar and Project Exhibition

Saturday, 12th August 2023 Time: 03.00 PM

*Venue: AIET Auditorium, Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar, Moodubidire*

Chief Guest

Sri U. T. Khader

Hon'ble Speaker
Karnataka Legislative Assembly, Bengaluru

Guest of Honour

Prof. Ashok M. Raichur

Secretary, Karnataka State Council for Science and Technology
Professor, Department of Materials Engineering, Indian Institute of Science

President

Sri Vivek Alva

Managing Trustee
Alva's Education Foundation

Sri K. N. Venkatesh

Senior Project Engineer
and Co-ordinator-SPP, KSCST

Dr. Sudheer Shetty

Co-ordinator - SPP S&E, Prof. & Head,
Dept. of ISE, Alva's IET, Moodubidire

PROGRAMME SCHEDULE

Date: 11th August 2023

TIMINGS	EVENT	VENUE
8.30 am to 10.00 am	Breakfast	AIET Food Court
9.00 am to 10.30 am	Registration	AIET Block - A
10.30 am to 12.00 noon	Inauguration	AIET Auditorium
12.00 noon to 1.00pm	Project Exhibition Inauguration & Visit	AIET Block - B
1.00 pm to 1.45 pm	Lunch	AIET Food Court
2.00 pm to 6.00 pm	Projects Seminar and Judging of Exhibition	AIET Block - A and AIET Block - B
6.15 pm to 7.45 pm	Cultural Programme	Krishi-Siri Vedike, Vidyagiri
7.45 pm to 8.45 pm	Dinner	Krishi-Siri Vedike, Vidyagiri

Date: 12th August 2023

8.30 am to 9.30 am	Breakfast	AIET Food Court
9.00 am to 12.00 noon	Project Exhibition / Judging	AIET Block - A and AIET Block - B
12 noon to 1.00 pm	Technical Lecture by Prof. Satyam Suwas Professor & Chair, Department of Materials Engineering, Indian Institute of Science, Bengaluru	AIET Auditorium
1.00 pm to 2.00 pm	Lunch	AIET Food Court
3.00 pm to 4.30 pm	Valedictory and Prize distribution Function	AIET Auditorium
4.30 pm to 5.00 pm	High Tea	AIET Food Court

Alva's Institute of Engineering and Technology
Shobhavana Campus, Mijar

Moodubidire - 574 225, Mangaluru, Dakshina Kannada
Phone: + 91 9986030597, +91 9845050268, +91 9448458334

E-mail: principalaiet08@gmail.com

Website: www.aiet.org.in

KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012
 Website: www.kscst.org.in || Email: spp@kscst.org.in || Tel: 080-2334 1652,2334 8848/49/40

46th series of Student Project Programme (SPP): 2022-23

Status of receipt of softcopy of Project Report and Utilisation Certificate and Statement of Expenditure (UC/SE) from college as of 16th April 2024

NO.						(RS.)	RECEIVED
560.	46S_MSc_165	E-LEARNING APP FOR AGED /NON TECH SAVVY	M.Sc	DATA SCIENCE	Mrs. APOORVA S	6,000.00	Yes
561.	46S_MSc_024	NEUROLOGICAL CONSEQUENCES OF COVID-19 REPURPOSED DRUGS IN THE MARKET	M.Sc	LIFE SCIENCES	Mr. C NAVEEN KUMAR	6,000.00	Yes
562.	46S_MSc_120	IN-VIVO AND IN-VITRO ANALYSIS FOR THE DEVELOPMENT OF COST EFFECTIVE PROBIOTIC AND MUFA RICH PROTEIN DIETARY SUPPLEMENT FOR ADULT AGE GROUPS	M.Sc	MICROBIOLOGY	Prof. RAJARAJAN. P	6,000.00	Yes

Transaction Details:

NAME OF THE ACCOUNT HODLER	DATE OF TRANSACTION	TRANSACTION DETAILS	AMOUNT
PRINCIPAL INDIAN ACADEMY DEGREE COLLEGE	12-05-2023	NEFT Dr-P132230240891989-PRINCIPAL INDIAN ACADEMY DEGREE COLLEGEUBIN0813311	18,000.00

74. J.S.S. ACADEMY OF TECHNICAL EDUCATION, BENGALURU

SI. No.	PROPOSAL REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	AMOUNT SANCTIONED (RS.)	REPORT RECEIVED	HARDCOPY OF UC RECEIVED



Karnataka State Council for Science and Technology

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Kalyan Nagar,
Bengaluru – 561 043

Dear Sir/Madam,

Sub : Sanction of Student Project - 46th Series: Year 2022-2023

Project Proposal Reference No. : 46S_MSc_120

Ref : Project Proposal entitled **IN-VIVO AND IN-VITRO ANALYSIS FOR THE DEVELOPMENT OF COST EFFECTIVE PROBIOTIC AND MUFA RICH PROTEIN DIETARY SUPPLEMENT FOR ADULT AGE GROUPS**

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Guide(s)	Prof. RAJARAJAN. P	Sanctioned Amount (in Rs.)	6,000.00

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	Ms. SARANYA K		
	Ms. SNEHALATHA NANDIKOLAMATH		
Guide(s)	Mrs. APOORVA S	Sanctioned Amount (in Rs.)	6,000.00

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Please visit our website for further announcements / information and for any clarifications please email to spp@kscst.org.in

Thanking you and with best regards,

Yours sincerely,



(U T Vijay)

Copy to:

- 1) The HoD
DATA SCIENCE
INDIAN ACADEMY DEGREE COLLEGE (AUTONOMOUS), BENGALURU
- 2) Mrs. APOORVA S
DATA SCIENCE
INDIAN ACADEMY DEGREE COLLEGE (AUTONOMOUS), BENGALURU
- 3) THE ACCOUNTS OFFICER
KSCST, BENGALURU