

GREY WATER FILTRATION USING ACTIVATED CHARCOAL FROM AGRO WASTES

PROJECT REPORT

Submitted by

Niveditha .M(21IAMOS015)

Sanjay H R (21IAMOS018)

Sriram Vijayalakshmi (21IAMOS020)

Under the guidance of

Dr Ananda Vardhan. H

Submitted in partial fulfillment for the award of degree of

MASTER OF SCIENCE IN BIOCHEMISTRY

DEPARTMENT OF LIFE SCIENCES-BIOCHEMISTRY



Indian Academy Degree College (Autonomous)

Affiliated to Bengaluru University

Hennur Main Road, Kalyan Nagar. Bangalore-43

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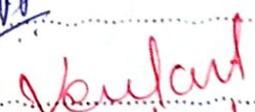
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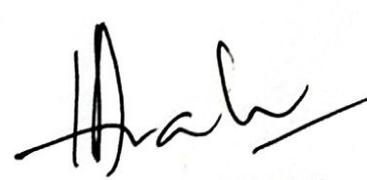
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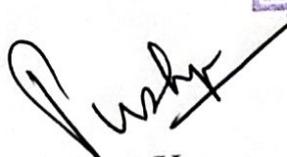
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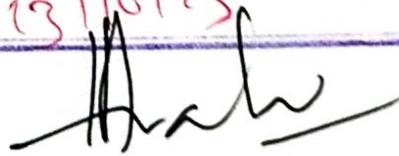
This is to certify that the project entitled “Grey Water Filtration using Activated Charcoal from Agro Wastes.” submitted by Niveditha.M (21IAMOS015), Sanjay.H.R (21IAMOS018) and Sriram Vijayalakshmi (21IAMOS020) is a bonafide record of research work carried out by her in partial fulfilment of the requirement for the degree of **Master of Science in Biochemistry** and the project has not formed basis for award of any other degree, associateship or similar title.

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1. 
2. 
Date:	13/10/23


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**A Cost-Effective and Ecofriendly Approach to Enhance
Plant Yield Using Eleusine coracana Root Endophytic
Microbial Mix**

PROJECT REPORT

Submitted by

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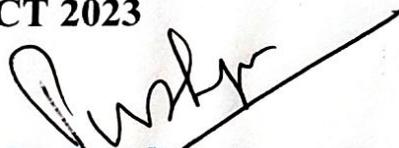
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This is to certify that the project entitled "A Cost-Effective and Ecofriendly Approach to Enhance Plant Yield Using Eleusine coracana Root Endophytic Microbial Mix", submitted by GAGANDEEP K L (21IAMOS012), MAHADEVAPRASAD B (21IAMOS013), AJITH D D (21IAMOS009), is a bonafide record of research work carried out by them in partial fulfilment of the requirement degree of **Master of Science in Biochemistry** and the project has not formed basis for award of any other degree, associateship or similar title.

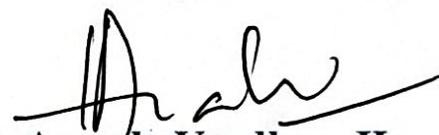
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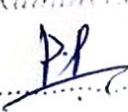
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BIOFUEL APPLICATIONS OF EARTHWORM GUT CELLULASES

PROJECT REPORT

Submitted by

Raju E.K. (21IAMOSO16)

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Under the guidance of

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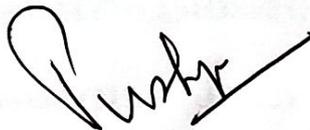
This is to certify that the project entitled BIOFUEL APPLICATIONS OF EARTHWORM GUT CELLULASES submitted by **Raju. E.K (21IAMOS016), Vidhyasagar. M (21IAMOS024) and Tulasi prasad (21IAMOS022)** is a bonafide record of research work carried out by in partial fulfilment of the requirement degree of Master of Science in Biochemistry and the project has not formed basis for award of any other degree, associateship or similar title.

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3. **13/10/23**



NEUROLOGICAL CONSEQUENCES OF COVID-19 REPURPOSED DRUGS IN THE MARKET



PROJECT REPORT

Submitted by

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- 2. NIRMAL KUMAR R - 21IAMOS014**
- 3. SHASHANK GOWDA D – 21IAMOS019**
- 4. SWATHI M – 21IAMOS021**

Under the guidance of

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This is to certify that the project entitled "NEUROLOGICAL CONSEQUENCES OF COVID-19 REPURPOSED DRUGS IN THE MARKET", submitted by **APOORVA B REDDY, NIRMAL KUMAR R, SHASHANK GOWDA D** and **SWATHI M** is a bonafide record of research work carried out by her in partial fulfillment of the requirement for the degree of **Master of Science in Biochemistry** and the project has not formed basis for award of any other degree, associateship or similar title.

Date:



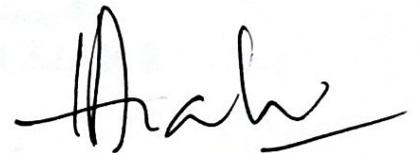
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Examiners-


Date: *13/10/23*

ISOLATION, CHARACTERIZATION, OPTIMIZATION AND APPLICATION STUDIES OF MICROBIAL LACCASE

PROJECT REPORT

Submitted by

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Sabira (21IAMOS017)
Umme Ul Nida G (21IAMOS023)

Under the guidance of

Prof. Dilshad Begum Golgeri

Submitted in partial fulfilment for the award of degree of

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This is to certify that the project entitled **Isolation, characterization, optimization and application studies of microbial laccase**, submitted by Chaithra S (21IAMOS011), Sabira (21IAMOS017) and Umme UI Nida G (21IAMOS023) is a bonafide record of research work carried out by in the partial fulfilment of the requirement degree of Master of Science in Biochemistry and the project has not formed basis for award of any other degree, associateship or similar title.

Date: 13 OCTOBER 2023



Prof. Dilshad Begum Golgeri

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Date: 13/10/23

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DBT Star College Scheme (2022-23)

Student project report on
Comprehensive Analysis of Phytochemical, Antimicrobial Properties of
Methanolic and Aqueous Extracts from Almond Tree (*Terminalia catappa*)
Leaves and Fruits

Project guide : **Mrs. Dilshad Begum.Golgeri**
Assistant Professor,
Department of Biochemistry, IADCA

Project students : Final year BSc (GBcMb)

Nikitha V Yadav	20IABSC042
Hari Keerthana	20IABSC037

OBJECTIVES

Extraction and phytochemical analysis and antibacterial properties of methanolic and aqueous extracts from Almond tree leaves and fruit samples.

INTRODUCTION: The escalating global health crisis posed by antimicrobial resistance has propelled research into alternative sources of antimicrobial agents. In this context, natural products from plants have gained significant attention due to their potential bioactivity. *Terminalia catappa*, commonly known as the almond tree, has a rich history of traditional medicinal use. The present study focuses on the phytochemical constituents, antimicrobial efficacy, and antioxidant capacity of extracts obtained from the leaves and fruits of *Terminalia catappa*.

METHODOLOGY:

Extraction and Preparation:

The almond tree leaf and fruit were collected from a nearby tree. Water is used to wash the samples to remove any contaminants. After that, the samples are shade dried and ground into a fine powder.

These samples were extracted using Soxhlet with methanol and water as solvents.

Phytochemical Analysis:

Various standard qualitative phytochemical tests were employed to identify the presence of alkaloids, flavonoids, tannins, phenols, saponins, terpenoids, steroids, and cardiac glycosides in the extracts.

Test for Alkaloids:

Protocol: Mayer's reagent (potassium mercuric iodide) or Wagner's reagent (iodine solution) can be used. A reddish-brown precipitate or coloration indicates the presence of alkaloids.

Test for Flavonoids:

Protocol: Add a few drops of concentrated hydrochloric acid to the extract. Add a piece of magnesium ribbon or zinc dust. Formation of a pink, red, or orange color indicates the presence of flavonoids.

Test for Tannins:

Protocol: Mix the extract with water and filter. Add a few drops of ferric chloride solution. Formation of a bluish-black or greenish-black precipitate indicates the presence of tannins.

Test for Phenols:

Protocol: Mix the extract with water and filter. Add a few drops of 10% ferric chloride solution. Formation of a bluish-black or greenish-black color indicates the presence of phenolic compounds.

Test for Saponins:

Protocol: Shake the extract vigorously in a test tube. Formation of persistent froth indicates the presence of saponins.

Test for Terpenoids:

Protocol: Add a few drops of concentrated sulfuric acid to the extract. Formation of a red, blue, or green color indicates the presence of terpenoids.

Test for Steroids and Sterols:

Protocol: Add a few drops of acetic anhydride and then a few drops of concentrated sulfuric acid to the extract. Formation of a blue or green color indicates the presence of steroids and sterols.

Test for Cardiac Glycosides:

Protocol: Add a few drops of glacial acetic acid and then a few drops of ferric chloride solution to the extract. Formation of a brown ring at the interface indicates the presence of cardiac glycosides.

Antimicrobial Activity:

Agar well diffusion assay was used to assess the antimicrobial potential of the extracts against a panel of pathogenic microorganisms.

Preparation of Nutrient Agar Plates:

Prepare nutrient agar medium following manufacturer's instructions. Pour the agar medium into sterile Petri dishes and allow it to solidify. **Inoculation of Microorganisms:** spread a standardized microbial culture onto the surface of the solid agar plate using a sterile L rod. Allow it to dry.

Agar Well Preparation: Use a sterile cork borer to create wells in the agar medium. Fill each well with a known volume (i.e., 20 μ L & 40 μ L) of different concentrations of the plant extract. Leave one well as a negative control (solvent only). The positive control with 20 μ L of ampicillin

Incubation: Allow the plates to stand at room temperature for about 1 hour to allow proper diffusion of the extract into the agar. Incubate the plates upside at the appropriate temperature for the test microorganisms 37°C for bacteria for 24 to 48 hours.

Measurement of Zones of Inhibition: After incubation, observe the plates and measure the zones of inhibition around each well. Zones should be measured from the edge of the well to the outer edge of the clear zone.

Record the diameter of the zones in millimeters.

RESULTS AND DISCUSSIONS:

Phytochemical analysis:

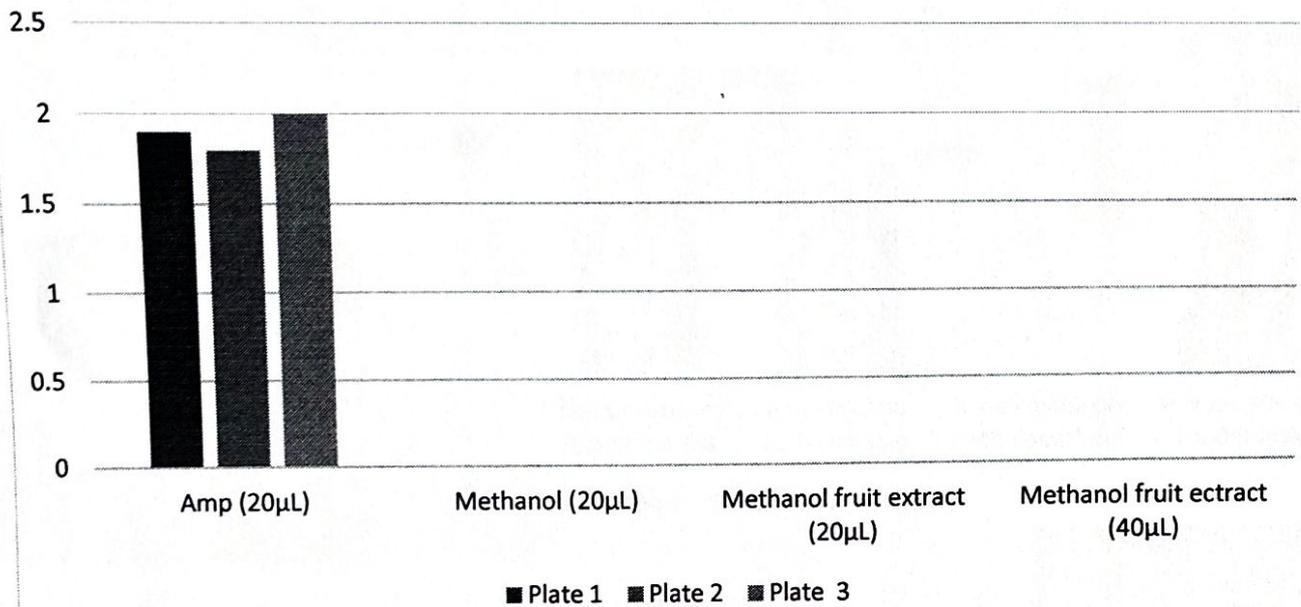
Various standard qualitative phytochemical tests were employed to identify the presence of alkaloids, flavonoids, tannins, phenols, saponins, terpenoids, steroids, and cardiac glycosides in the extracts.

Phytochemical Class	Aq. Leaf Extract	Aq. Fruit Extract	Methanol. Leaf Extract	Methanol. Fruit Extract
Alkaloids	+	+	+	+
Flavonoids	-	+	+	+
Tannins	+	+	+	+
Phenols	+	+	+	+
Saponins	+	+	+	+
Terpenoids	+	+	-	+
Steroids/Sterols	-	-	+	-
Cardiac Glycosides	-	-	-	-

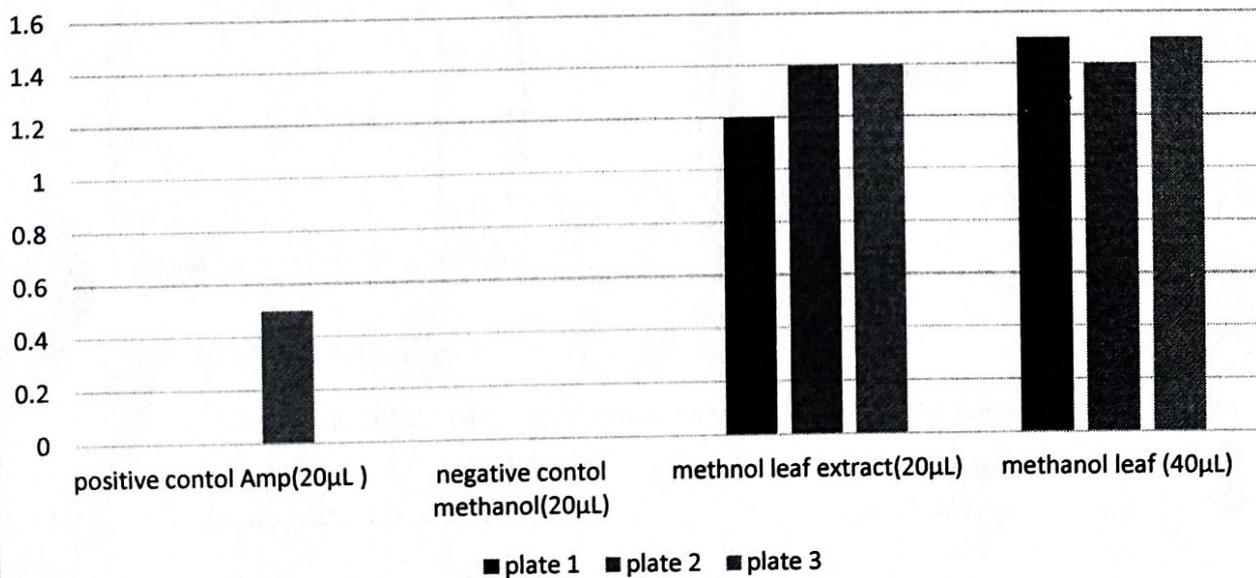
Antibacterial properties:

Antimicrobial Activity: Antimicrobial assays demonstrated significant inhibitory effects against a range of microorganisms, with fruit extract generally exhibiting lower inhibitory effects compared to leaf extract. This suggests that *Terminalia catappa* extracts contain compounds with antimicrobial potential, which could be explored further for therapeutic applications

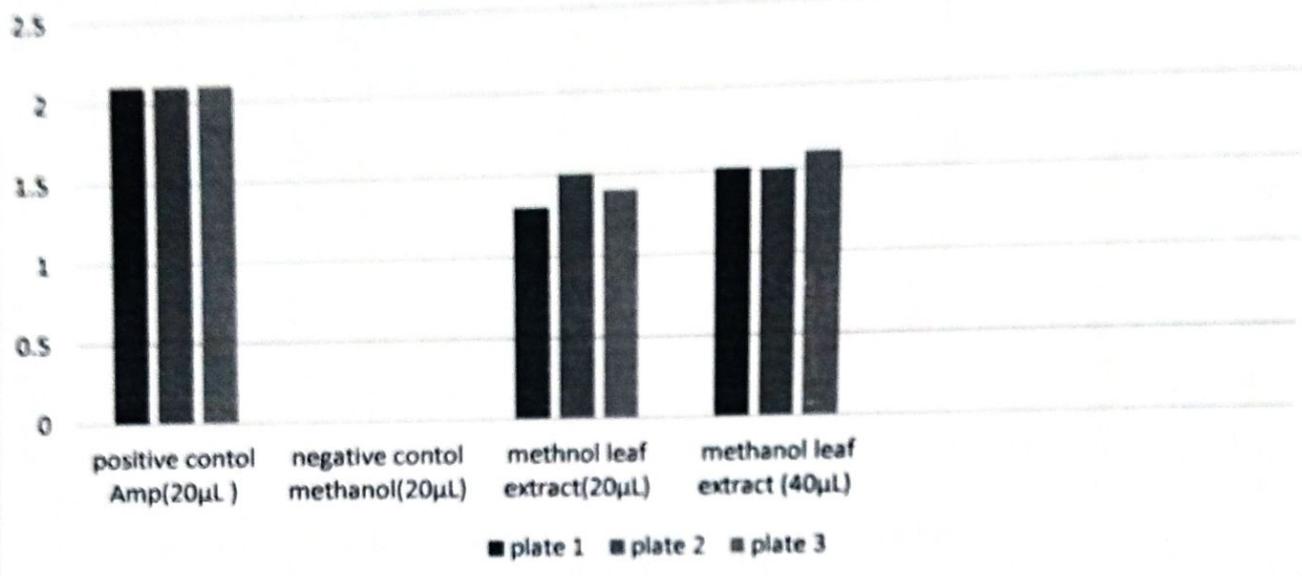
Antimicrobial Activity Methanol Fruit Extracts Against *E.coli*



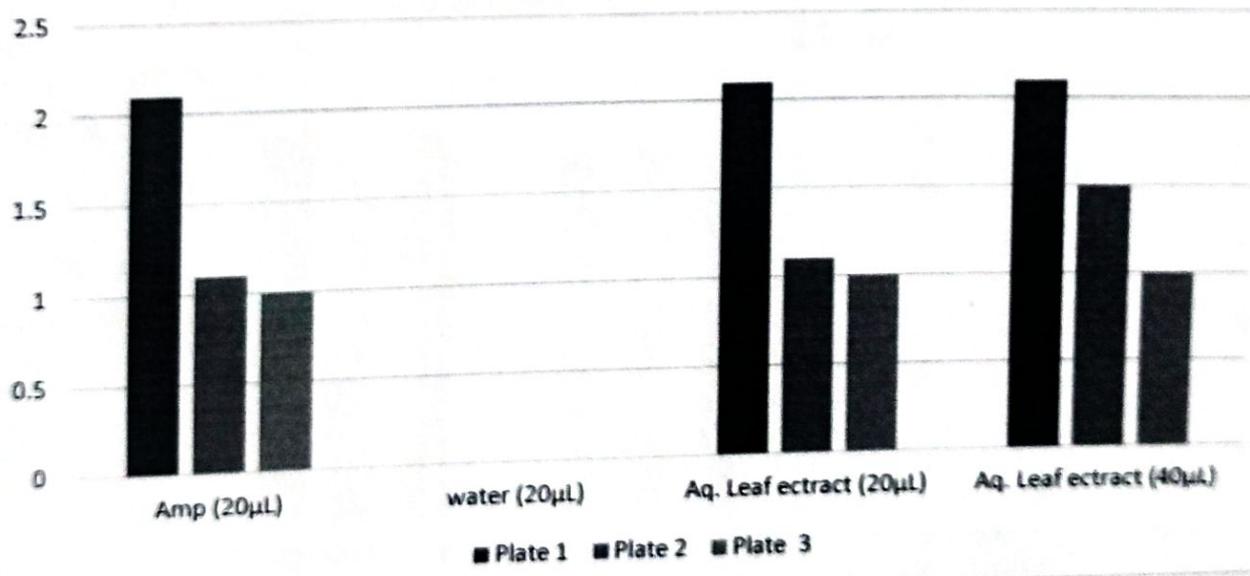
Antimicrobial Activity methanol leaf Extracts Against *Bacillus sp*



Antimicrobial Activity methanol leaf Extracts Against *E.coli*



Antimicrobial Activity Aqueous Leaf Extracts Against *E.coli*



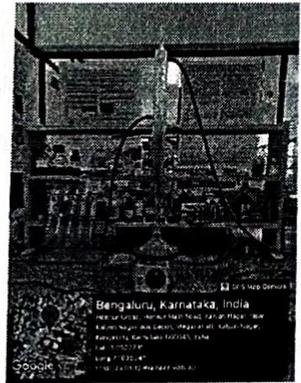
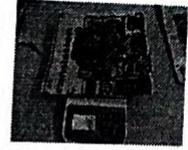
Figures:



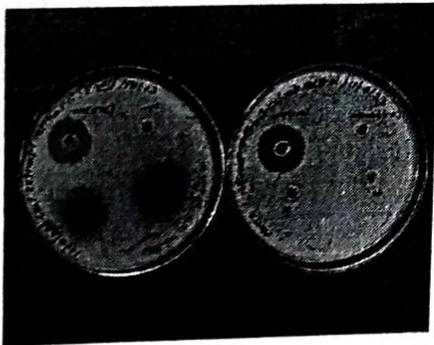
**Collection of sample
Fine powdered**



Dry & Weigh



Soxhlet Extraction



Antimicrobial analysis



Phytochemical analysis

DISCUSSION:

The phytochemical analysis revealed the presence of diverse compounds in both leaf and fruit extracts of *Terminalia catappa*, with varying degrees of abundance.

Antimicrobial assays demonstrated significant inhibitory effects against a range of microorganisms, with fruit extract generally exhibiting lower inhibitory effects compared to leaf extract. This suggests that *Terminalia catappa* extracts contain compounds with antimicrobial potential, which could be explored further for therapeutic applications.

CONCLUSION:

The comprehensive analysis of *Terminalia catappa* leaf and fruit extracts unveiled their diverse phytochemical profiles and demonstrated their antimicrobial and antioxidant potential. Further research is warranted to isolate and identify the specific bioactive compounds responsible for these activities, potentially leading to the development of novel antimicrobial agents and antioxidants for various applications.

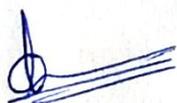
ACKNOWLEDGEMENTS

Project guide Prof. Dilshad Begum wishes to thank the Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India, for the financial support in the form of DBT Star College Grant for carrying this project work.

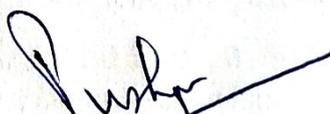
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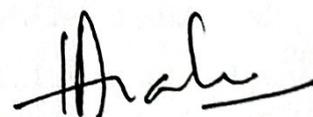
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This is to certify that the dissertation entitled, “**Isolation of Potent Biosurfactant Producing Bacteria from Oil Spilled Marine Water**” Submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of Original Research Work done by **Ms. Sara Salomi (Reg No. 21IAMOS059)** during the Period **May 2023 to September 2023** of her Study in the **Department of Life Sciences - Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my Supervision and Guidance; and the Dissertation has not found the basis for the Award of any Degree/ Diploma/ Associateship/ Fellowship or other Similar Title to any Candidate of any University.

Date : 12.10.2023

Place : Bengaluru, Karnataka

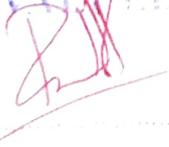

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External Examiner


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This is to certify that the dissertation entitled, "GREEN SYNTHESIS OF IRON OXIDE NANOPARTICLES FROM *CEASALPINIA* NUTSHELL WASTE AND ITS BIOLOGICAL APPLICATIONS", submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the Award of the Degree of Master of Science in Biotechnology is a record of original research work done by Ms. Bhavani S (2HAMOS032), Ms. Khamnam Urmila Devi (2HAMOS039), and Mr. Nitesh Gowda S (2HAMOS052) during the period May 2023 to September 2023 of their study in the Department of Life Sciences - Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar titles to any candidate of any university.

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This is to certify that the dissertation entitled, " In-VITRO WOUND HEALING ACTIVITY OF Solanum torvum EXTRACT" submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the Award of the Degree of Master of Science in Biotechnology is a record of original research work done by ARIBA HAFEEZ (21IAMOS029); NAVYA GN(21IAMOS049); CHANDAN K (21IAMOS033). During the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13 OCT 2023

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Associate Professor

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Bengaluru – 560 043, Karnataka

Program Co-ordinator

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(Faculty Name and Signature)

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2 | Page

Handwritten signature and date: 13/10/2023

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CERTIFICATE

This is to certify that the dissertation entitled, “**Studies on extraction and development of starch based bioplastic**” submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Ms. Manasa S G (21IAMOS046), Ms. Veena.N (21IAMOS068), Mr.Thoti Bhanu prakash (21IAMOS065)** during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or another similar title to any candidate of any university.

Date: 13/10/2023

Place: Bengaluru

Dr. Divya

Associate Professor Department of Lifesciences,

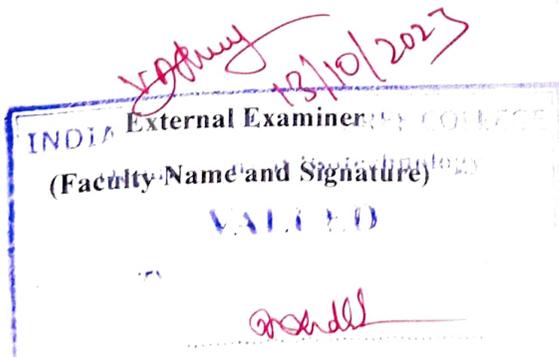
Program- Biotechnology

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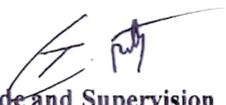
Program Co-ordinator
Program Coordinator - Biotechnology
Department of Life Sciences
Indian Academy Degree College - Autonomous
Bangalore - 560043

CERTIFICATE

This is to certify that the dissertation entitled, "**Green Synthesis of Zinc Oxide Nanoparticles From Fruit and Seed of *Phyllanthus emblica* To Determine Its Antimicrobial, Antidiabetic and Anti-cancerous Activity**" submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Bhanu Shree S (21IAMOS031), Neemashree N (21IAMOS051)** during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13-10-2023

Place: BENGALURU


Guide and Supervision

Dr. Ramachandra Murthy T.T.S

M.Sc., M.Biotech., Ph.D., SLET.,

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INDIAN ACADEMY DEGREE COLLEGE- AUTONOMOUS

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External Examiner

Name and Signature

INDIAN ACADEMY DEGREE COLLEGE

Department of Biotechnology

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Program Co-Ordinator

Program Coordinator - Biotechnology

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the dissertation entitled, “**Green Synthesis of Iron Nanoparticles from *Hydrocotyle leucocephala* Leaves and it’s Medical Applications**” Submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of Original Research Work done by **Ms. Bhagyashree M (Reg No. 21IAMOS030)** and **Ms. Manasa N (Reg No. 21IAMOS044)** during the Period **May 2023 to September 2023** of their Study in the **Department of Life Sciences - Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my Supervision and Guidance; and the Dissertation has not found the basis for the Award of any Degree/ Diploma/ Associateship/ Fellowship or other Similar Title to any Candidate of any University.

Date : 12.10.2023

Place : Bengaluru, Karnataka

Mani
12/10/2023

Supervisor and Guide

Dr. MOHAMMED RAFIQKHAN K. M.Sc., M.Phil., DBPT., Ph.D., FSAB

Associate Professor of Biotechnology

Department of Life Sciences

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Programme Coordinator

Programme Coordinator - Biotechnology

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bengaluru - 560043

INDIAN ACADEMY DEGREE COLLEGE

Department of Biotechnology

Internal Examiner

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Mani 13/10/2023
Mani

External Examiner

CERTIFICATE

This is to certify that the dissertation entitled, "**Mercury-resistant marine bacteria and their role in bioremediation of certain toxicants**" submitted to the Bengaluru North University, Bengaluru in partial fulfilment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Vandhana (21IAMOS067)** and **Vidhya N (21IAMOS070)** during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13/10/2023

Place: Bangalore



Guide and Supervision

Prof. Sudhakar Malla

Associate professor of Biotechnology

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Program Coordinator - Biotechnology

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that this dissertation entitled, "ANALYSIS AND IDENTIFICATION OF BACTERIAL STRAINS FROM DIFFERENT WATER SAMPLES FROM BENGALURU LAKES" was submitted by ARCHANA KUMARI, LAVANYA L.V and KAVYASHREE L. in partial fulfilment of the requirements for the DEGREE OF MASTER OF SCIENCE IN BIOTECHNOLOGY to Indian Academy Degree College - Autonomous is based on the work carried out by his under my guidance and supervision. It is also certified that this dissertation or any part thereof has not been submitted elsewhere for anyother degree.

Date: 16/09/2023

Place: Bangalore



Research Guide and supervisor:

Dr. Paramesh H. M.Sc. (Agri) Ph. D

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Hennur Main Road, Kalyan Nagar,

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Programme Coordinator
Department of Biotechnology
Indian Academy Degree College - Autonomous


Internal Examiner

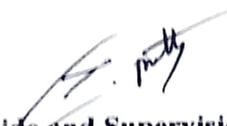
INDIAN ACADEMY DEGREE COLLEGE
Department of Biotechnology
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External Examiner
13/09/23

CERTIFICATE

This is to certify that the dissertation entitled, "**Isolation of yeast species and their evaluation for the production of bioethanol by free cells and immobilized cells**" submitted to the Bengaluru North University, Bengaluru in partial fulfilment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Niveditha V (2HAMOS053), Preethi V (2HAMOS055), Sridhar C A (2HAMOS063)** during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13-10-2023

Place: Bengaluru


Guide and Supervision
Dr. Ramachandra Murthy T.T. S

M.Sc., M. Biotech., Ph.D., SLET.,

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INDIAN ACADEMY DEGREE COLLEGE – AUTONOMOUS

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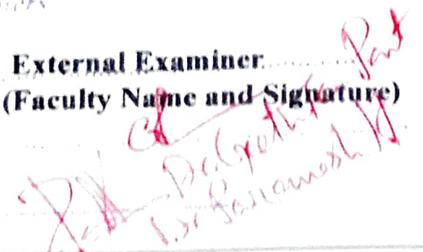
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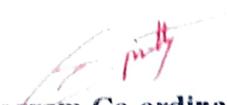
INDIAN ACADEMY DEGREE COLLEGE

Department of Biotechnology

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External Examiner.....
(Faculty Name and Signature)


Dr. G. S. Srinivasiah
Dr. G. S. Srinivasiah


Program Co-ordinator

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

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the dissertation entitled, “**STUDIES ON THE PRODUCTION OF BACTERIOCINS FROM LACTIC ACID BACTERIA**”. submitted to the Bengaluru North University, Bengaluru in partial fulfilment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Ms. Kondakamarala Hadiya (21IAMOS040), Ms. Soniya K M (21IAMOS062), Mr. Venugopala B (21IAMOS069)** during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13-10-2023

Place: Bangalore



Dr. Divya Babu

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External Examiner

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(Name and Signature)
(Dr. V D Reddy)
msd

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Program Coordinator - Biotechnology
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Indian Academy Degree College - Autonomous
Bangalore - 560043

CERTIFICATE

This is to certify that the dissertation entitled, "STUDIES ON THE PRODUCTION OF BIODEGRADABLE PLASTICS FROM MICROORGANISMS" submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the Award of the Degree of Master of Science in Biotechnology is a record of original research work done by Navya.H.L, Moolinti Myna(21IAMOS050,21IAMOS048) during the period May 2023 to September 2023 of their study in the Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13/10/2023

Place: Bengaluru.



Guide and Supervision

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Associate professor

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(Faculty Name and Signature)



Program Co-ordinator

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

CERTIFICATE

This is to certify that the dissertation entitled, "**PHYTOCHEMICAL SCREENING, AND ISOLATION OF FLAVOINODS FROM *CHELIOCUSTUS SPECIOSUS*, STUDY OF THEIR ANTI-BACTERIAL, ANTI-FUNGAL ACTIVITY**". submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Ms. Aimen Nawar Pasha (21IAMOS026), Mr. Mallepalli Lokesh (21IAMOS043), Mr. Subhankar Pradhan (21IAMOS064)** during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date:

Place:



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Dr. RAMACHANDARA MURTHY T.T.S.

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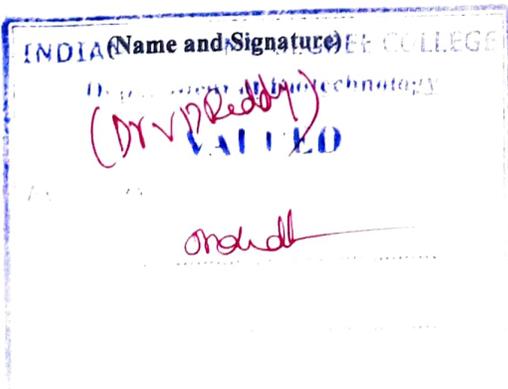
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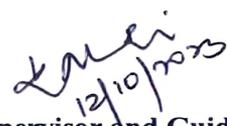
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CERTIFICATE

This is to certify that the dissertation entitled, “**Isolation, Characterization and Pharmacological Evaluation of Bioactive Compound from *Samanea saman* Leaves**” Submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of Original Research Work done by **Ms. Divya R (Reg No. 21IAMOS035)** and **Mr. Gokul A (Reg No. 21IAMOS036)** during the Period **May 2023 to September 2023** of their Study in the **Department of Life Sciences - Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my Supervision and Guidance; and the Dissertation has not found the basis for the Award of any Degree/ Diploma/ Associateship/ Fellowship or other Similar Title to any Candidate of any University.

Date : 12.10.2023

Place : Bengaluru, Karnataka


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Supervisor and Guide

Dr. MOHAMMED RAFIQKHAN K. M.Sc., M.Phil., DBPT., Ph.D., FSAB

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Programme Coordinator
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Department of Life Sciences

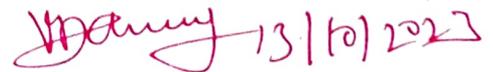
Indian Academy Degree College - Autonomous

Bangalore - 560043

Internal Examiner



External Examiner


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Degree College - Autonomous

CERTIFICATE

This is to certify that the dissertation entitled, "Isolation, Characterization and Pharmacological Evaluation of Bioactive Compound from Methanolic Extract of *Adenocalymna alliaceum* Leaves" Submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the Award of the Degree of Master of Science in Biotechnology is a record of Original Research Work done by Mr. Jaya Surya Raju K (Reg No. 21IAMOS037) and Ms. MONISHA A (Reg No. 21IAMOS047) during the Period May 2023 to September 2023 of their Study in the Department of Life Sciences - Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru under my Supervision and Guidance; and the Dissertation has not found the basis for the Award of any Degree/ Diploma/ Associateship/ Fellowship or other Similar Title to any Candidate of any University.

Date : 12.10.2023

Place : Bengaluru, Karnataka


12/10/2023
Supervisor and Guide

Dr. MOHAMMED RAFIQKHAN K. M.Sc., M.Phil., DBPT., Ph.D., FSAB
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Department of Life Sciences
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Programme Coordinator

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Department of Biotechnology
External Examiner
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Examiners
Jaya Surya Raju K 15/10/2023

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the dissertation entitled, "COMPARITIVE ANALYSIS OF ACETYLCHOLINE ESTERASE ACTIVITY AND ISOLATION AND CHARACTERIZATION OF ACETYLCHOLINE ESTERASE INHIBITOR FROM INDIAN MEDICINAL PLANT AND ITS APPLICATION ON HUMAN HEALTH" submitted to the Bengaluru North University, Bengaluru in partial fulfilment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Mr. Aditya Mandal (21IAMOS025), Ms. V Pushpalatha (21IAMOS066), Ms. Veekshitha D C (20IAMOS039)** during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or another similar title to any candidate of any university.

Date: 13-10-2023

Place: Bengaluru



Dr. Paramesh Hanumanthaiah

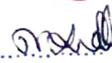
Associate Professor Department of Lifesciences - Biotechnology

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Program Co-ordinator

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

CERTIFICATE

This is to certify that the dissertation entitled, "Extraction of Biosurfactant from oil-degrading bacteria and its Application in Biosorption of heavy metals" submitted to the Bengaluru North University, Bengaluru in partial fulfilment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Satish Maharaya Gavade (21IAMOS060), Bhavya Sri Chedulla(21IAMOS034)** during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13/10/23

Place: Bangalore.

Guide and Supervision

Prof. Sudhakar Malla

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SEPTEMBER 2023

External Examiner

(Faculty Name and Signature)

(Dr. Geetika Pant)

Dr. PARVATHI H.

Program Co-ordinator

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Indian Academy Degree College - Autonomous
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INDIAN ACADEMY

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CERTIFICATE

This is to certify that the dissertation entitled, "A COMPARATIVE STUDY ON DETOXIFICATION OF *STAPHYLOCOCCUS AUREUS* TREATED TEXTILE WASTE WATER BY ACTIVATED CHARCOAL AND NANO ADSORBENT", submitted to the Bengaluru North University, Bengaluru in partial fulfilment of the requirements for the **Award of the Degree of Master of Science in Biotechnology** is a record of original research work done by **Ms. Manasa P (21IAMOS045), Mr. Sankhadip Dolui (21IAMOS058)**, during the period **May 2023 to September 2023** of their study in the **Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru** under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13/10/2023

Place: BENGALURU

Guide and Supervision

Dr. KALAIYARASU T

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External Examiner

(Name and Signature)

(Dr. Geetika Pant)

Program Co-ordinator

Program Coordinator - Biotechnology
Department of Life Sciences

Indian Academy Degree College - Autonomous
Bengaluru - 560043

CERTIFICATE

This is to certify that the dissertation entitled, "STUDIES ON THE PRODUCTION OF BIODEGRADABLE PLASTICS FROM MICROORGANISMS" submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the Award of the Degree of Master of Science in Biotechnology is a record of original research work done by Koppala Padmapriya, Shwetha G K (21IAMOS041,21IAMOS061) during the period May 2023 to September 2023 of their study in the Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13/10/2023

Place: Bengaluru

Guide and Supervision

Dr Divya Babu

Associate professor

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INDIAN ACADEMY DEGREE COLLEGE

Department of Biotechnology

External Examiner

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Dr. Prasanna
Dr. Geetha

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

CERTIFICATE

This is to certify that the dissertation entitled, "Study of harmful implications of chemically synthesized Cu₂O and AgNO₃ Nanoparticles released into the environment using Algal model" submitted to the Bengaluru North University, Bengaluru in partial fulfillment of the requirements for the Award of the Degree of Master of Science in Biotechnology is a record of original research work done by Preeti Sao (2HAMOS56) during the period May 2023 to September 2023 of their study in the Department of Life Sciences, Program – Biotechnology at Indian Academy Degree College – Autonomous, Bengaluru under my guidance and supervision and the dissertation has not found the basis for the Award of Degree/ Diploma/ Associateship/ Fellowship or other similar title to any candidate of any university.

Date: 13/10/2023

Place: Bengaluru

INDIAN ACADEMY DEGREE COLLEGE

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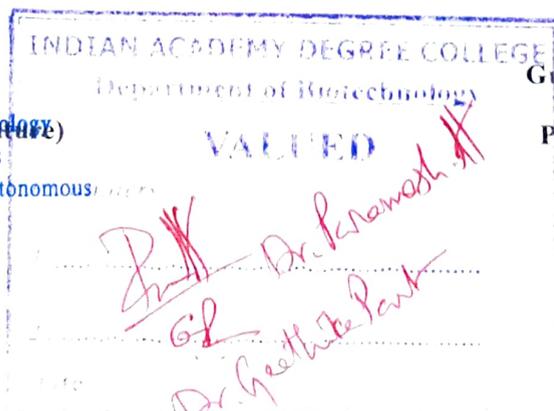
Bengaluru – 560 043, Karnataka


Program Co-ordinator

Program Co-ordinator, Biotechnology
Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

External Examiner




Guide and Supervision

Prof. Sudhakar Malla

Associate Professor

**Study of harmful implications of chemically synthesized Cu₂O and AgNO₃ Nanoparticles
released into the environment using Algal model**

Dissertation submitted to Bengaluru North University

in partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN BIOTECHNOLOGY

Submitted by

Pankhi Borah (21IAMOS054)

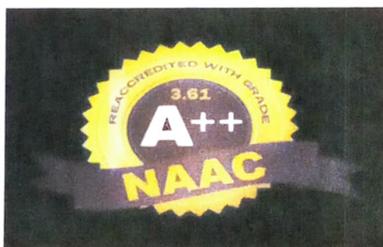
Preeti Sao (21IAMOS056)

Under the Guidance and Supervision of

Prof. Sudhakar Malla

Associate Professor

DEPARTMENT OF BIOTECHNOLOGY



INDIAN ACADEMY DEGREE COLLEGE

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Hennur Cross, Hennur Main Road, Kalyan Nagar

Bengaluru – 560043, Karnataka

October 2023

INDIAN ACADEMY

Degree college – Autonomous



A Project Report On

EXTRACTION OF HIPPURIC ACID FROM COW'S URINE AND SYNTHESIS OF AZALACTONE

Submitted for partial fulfillment of the requirement for the award of the degree

in

MASTER OF SCIENCE

IN

ORGANIC CHEMISTRY

BY

NAME	REG. NUMBER
KARTHEEK M	21IAMOS085
KIRAN GOWDA C V	21IAMOS087
SWATHI R	21IAMOS111
THANUJA K R	21IAMOS112

Under the guidance of

Dr. K Shyamsunder M.Sc., Ph.D.

Professor and HOD

Department of Physical Sciences

IADC-A, Bengaluru- 560043

INDIAN ACADEMY

Degree College - Autonomous



A Project report on

DESIGN, SYNTHESIS, MOLECULAR DOCKING STUDIES OF PYRIMIDINE ANALOGOUS AS KAT(HAT) INHIBITORS

**Submitted for partial fulfillment of the requirements for the award of the
degree in**

**MASTER OF SCIENCE
in
ORGANIC CHEMISTRY**

By

Miss. AKSHITHA.R (21IAMOS075)

Miss. ALIYA FIRDOUSE (21IAMOS076)

Miss. JANANI.A (21IAMOS084)

Mr. PRAJWAL T.C (21IAMOS101)

Mr. SANJAY.D (21IAMOS106)

Miss. PAVITHRA.S (20IAMOS054)

Under the guidance of

Dr. JEELAN BASHA.N

M.Sc., Ph.D.

**Associate Professor,
Dept. of Physical Sciences
IADC-A Bangalore-560043
2022-2023**

INDIAN ACADEMY

Degree college – Autonomous



A Project Report On

ISOLATION AND EXTRACTION OF EMBELIN FROM EMBELIAN RIBES

Submitted for partial fulfillment of the requirement for the award of the degree

in

MASTER OF SCIENCE

IN

ORGANIC CHEMISTRY

BY

NAME	REG.NUMBER
MAMATHA V	21IAMOS091
THANUSHREE K R	21IAMOS113

Under the guidance of

Dr. JEELAN BASHA N

M.Sc., Ph.D.

Associate Professor

Department of Physical Sciences

IADC-A, Bengaluru-560043

2022-2023

INDIAN ACADEMY

Degree College - Autonomous



A Project report on

DESIGN, SYNTHESIS, ANTI BACTERIAL ACTIVITY, DRUG LIKENES
AND MOLECULAR DOCKING STUDIES OF 2,4-DISUBSTITUTED
PYRIMIDINE ANALOGS

Submitted for partial fulfillment of the requirements for the award of the degree in

MASTER OF SCIENCE

in

ORGANIC CHEMISTRY

By

Mr. BHARATH KUMAR. CM (20IAMOS079)

Miss. LAVANYA. S (20IAMOS088)

Miss. MANASA.N (20IAMOS092)

Miss. MALLIKA. V (20IAMOS090)

Miss. AMRUTHA.S (20IAMOS077)

Under the guidance of

Dr. JEELAN BASHA.N

M.Sc., Ph.D.

Associate Professor

Dept. of Physical Sciences

IADC-A

Bangalore- 560043.

2022-2023

INDIAN ACADEMY

Degree College - Autonomous



A Project report on

**DESIGN, SYNTHESIS, MOLECULAR DOCKING, DRUG LIKE
PROPERTIES, AND DFT STUDIES OF NOVEL SMALL
MOLECULES**

**Submitted for partial fulfillment of the requirements for the award of the
degree in**

MASTER OF SCIENCE

In

ORGANIC CHEMISTRY

By

Mr. AKSHAY K T (21IAMOS073)

Mr. MOHAN R M (21IAMOS095)

Under the guidance of

Dr. JEELAN BASHA N

M.Sc., Ph.D.

Associate Professor

**Dept. of Physical Sciences,
IADC-A, Bangalore-560043**

2022-2023

INDIAN ACADEMY

Degree College - Autonomous



A Project report on

- 1. PHYTOCHEMICAL SCREENING OF MORUS PLANT WASTE AND LANTANA CAMARA AND THEIR BIOLOGICAL ACTIVITIES**
- 2. SYNTHESIS OF AZO DYES**

Submitted for partial fulfillment of the requirements for the award of the degree in

MASTER OF SCIENCE

in

ORGANIC CHEMISTRY

Mr. SHREYAS S M (21IAMOS109)

Miss. VARSHA G (21IAMOS115)

Miss. VARSHINI N S (21IAMOS116)

Mr. VINAY KUMAR M (21IAMOS118)

Under the guidance of Dr. MONIKA BAJPAI

M.Sc., Ph.D.

Associate Professor

**Dept. of Physical Sciences,
IADC-A, Bangalore-560043**

2022-2023

INDIAN ACADEMY

Degree College – Autonomous



A Project Report On

SYNTHESIS OF 1-PHENYL-3-METHYL-5-PYRAZOLONE AND THEIR DERIVATIVES

Submitted for partial fulfillment of the requirement for the award of the degree

in

MASTER OF SCIENCE

IN

ORGANIC CHEMISTRY

BY

NAME	REG.NUMBER
AKSHAY SINGH	21IAMOS074
NAVYA D	21IAMOS098
RUQSAR BANU A	21IAMOS105

Under the guidance of

Dr. G. Robin Wilson M.Sc., Ph.D.

Assistant Professor

Department of Physical Sciences

IADC-A, Bengaluru-560043

INDIAN ACADEMY

Degree College - Autonomous



A Project report on

DESIGN, SYNTHESIS, ANTI BACTERIAL ACTIVITY AND MOLECULAR DOCKING STUDIES ON BARBITURIC ACID ANALOGUES

**Submitted for partial fulfillment of the requirements for the award of the
degree in**

MASTER OF SCIENCE

in

ORGANIC CHEMISTRY

By

Miss. KAVYA G S (21IAMOS086)

Miss. LIKITHA A S (21IAMOS089)

Under the guidance of

Dr. JEELAN BASHA.N

M.Sc., Ph.D.

Associate Professor

**Dept. of Physical
Sciences**

IADC-A

Bangalore-560043

2022-2023

INDIAN ACADEMY
Degree College - Autonomous



A Project report on

SYNTHESIS OF BARBITURIC ACID AND IT'S DERIVATIVES

**Submitted for partial fulfillment of the requirements for the award of degree
in**

MASTER OF SCIENCE

In

ORGANIC CHEMISTRY

By

MISS. MONIKA M (21IAMOS096)

MISS. NIKHITHA P (21IAMOS099)

MR. PAVANKUMAR A.N (21IAMOS100)

MR. SHIVARAJ A.P (21IAMOS108)

MR. HARISH D.S (21IAMOS082)

Under the guidance of

DR. G. ROBIN WILSON

M.Sc., Ph.D.

Asst. Professor

Dept. of Chemistry- IADC-A

Bangalore-560043 -2021-2023

INDIAN ACADEMY

Degree College - Autonomous



A Project report on

- 1.SYNTHESIS OF 3-ACETYL COUMARIN AND ITS DERIVATIVES**
- 2.PHYTOCHEMICAL SCREENING OF VEGETABLE WASTE FOR POLYPHENOLS AND THEIR BIOLOGICAL ACTIVITIES**

Submitted for partial fulfillment of the requirements for the award of the degree in

MASTER OF SCIENCE

in

ORGANIC CHEMISTRY

By

Mr. GAGANESH S (21IAMOS081)

Mr. HARISH KUMAR D R (21IAMOS083)

Miss. MONIKA N (21IAMOS097)

Miss. VAISHNAVI M C (21IAMOS114)

Under the guidance of Dr. MONIKA BAJPAI

M.Sc., Ph.D.

Associate Professor

**Dept. of Physical Sciences,
IADC-A, Bangalore-560043**

2022-2023

6

INDIAN ACADEMY

Degree College – Autonomous



A project report on

EXTRACTION AND SYNTHESIS OF BIOLOGICALLY ACTIVE COMPOUNDS

Submitted by

MOHAN G R (21IAMOS094)

RAMYA S (21IAMOS102)

SUPRITHA S R (21IAMOS110)

VISHWANATH M (21IAMOS119)

ZAIBA TASLEEM (21IAMOS120)

Under the guidance of

Dr. MONIKA BAJPAI, M.Sc. Ph.D.

Associate Professor Dept. of Chemistry IADC-A.

Submitted in partial fulfilment of the requirement

for the award of Degree of

Master of Science

in

Organic Chemistry

Department of Chemistry

INDIAN ACADEMY DEGREE COLLEGE – AUTONOMOUS

Affiliated to Bangalore North University

Hennur cross, Hennur Main Road Kalyanagar post, Bengaluru- 560043.

2021-2023.

INDIAN ACADEMY

Degree college – Autonomous



A Project Report On

EXTRACTION OF EUGENOL

SYNTHESIS OF 6-METHYL-URACIL

SYNTHESIS OF CHLORBUTOL(CHLORITONE)

Submitted for partial fulfillment of the requirement for the award of the degree

in

MASTER OF SCIENCE

IN

ORGANIC CHEMISTRY

BY

NAME	REG.NUMBER
ASHOK M Y	21IAMOS078
MANUSHA V	21IAMOS093
RANJITH GOWDA H K	21IAMOS104
SANTHOSH G S	21IAMOS107

Under the guidance of

Dr. K Shyamsunder M.Sc., Ph.D.

Professor and HOD

Department of Physical Sciences

IADC-A, Bengaluru- 560043

INDIAN ACADEMY

Degree college – Autonomous



A Project Report On

Synthesis of 2, 3-diphenylquinoxaline

Synthesis of Fluorescein Dye

Submitted for partial fulfillment of the requirement for the award of the degree

in

MASTER OF SCIENCE

IN

ORGANIC CHEMISTRY

BY

NAME	REG.NUMBER
AKSHAY K T	21IAMOS073
CHETHAN C M	21IAMOS080
RAMYASHREE T	21IAMOS103

Under the guidance of

Dr. K Shyamsunder M.Sc., Ph.D.

Professor and HOD

Department of Physical Sciences

IADC-A, Bengaluru

INDIAN ACADEMY
Degree College - Autonomous

An Internship Report on

“IMAGE FORGERY DETECTION”

Submitted in partial fulfillment of
III SEMESTER MSC DATA SCIENCE

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

STUDENT NAME

DHARANI G

REG NO

21IAMOS121

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Internship entitled “**IMAGE FORGERY DETECTION**” is a bonafide work done by **DHARANI G** submitted in partial fulfillment of III SEMESTER MSC DATA SCIENCE during the academic year 2022-2023.

HEAD OF THE DEPARTMENT

Mrs. Anuradha .P

Anuradha
Head
Department of Computer Science
Indian Academy Degree College
Mannur Cross, Hennur Main Road
Bangalore-560043.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *[Signature]* 6/5/23

2. *[Signature]*

Date:



Ref: Zeta/22/Intern/Cert-561

Date: 20/04/2023

CERTIFICATE OF INTERNSHIP

This is to Certify that **Ms. DHARINI G** bearing **USN: 21IAMOS121**, M.Sc in Data Science of **INDIAN ACADEMY DEGREE COLLEGE ,AUTONOMOUS, BENGALURU** have successfully undergone an Internship Program of 3 months dated from **20-12-2022 to 20-03-2023** on **DEEP LEARNING** along with project title **"Image Forgery Detection using Deep Learning"**.

During the tenure of Internship with us, she was found Punctual, Hardworking, Inquisitive, outgoing personality and works well as a team. She performed excellent and was able to complete the project successfully on time.

We wish her every success in career and future endeavors.

Regards

Director

Zetacoding Innovative Solutions.

Place: Bengaluru



Abstract:

The proliferation of digital image editing tools has made it easy to manipulate images. As a result, image forgery has become a serious problem in various domains such as law enforcement, journalism, and social media. Detecting image forgery has therefore become an important research area in computer vision.

In this project, we propose a novel approach for image forgery detection using a CNN sequential model and Inception V3 transfer learning model. We use the CASIA dataset, which is a widely used benchmark dataset for image forgery detection. The dataset contains various types of image forgeries such as copy-move, splicing, and retouching.

To evaluate the performance of our model, we have compared. Our experimental results show that our model achieves a high accuracy of over 95% on the CASIA dataset, which outperforms existing state-of-the-art methods.

In conclusion, our proposed approach provides a reliable and effective solution for image forgery detection using deep learning. This project has important practical implications in various domains such as forensics, journalism, and social media, where image authenticity is critical.

INDIAN ACADEMY
Degree College - Autonomous

An Internship Report on

“Inventory Analysis at Amphenol FCI”

Submitted in partial fulfilment of
III SEMESTER M.Sc DATA SCIENCE

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

MAHAMMED BAASHIK

21IAMOS122

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Internship entitled “**Inventory Analysis**” is a bona-fide work done by **MAHAMMED BAASHIK**, submitted in partial fulfilment of III SEMESTER M.Sc DATA SCIENCE during the academic year 2021-2023.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *[Signature]* 6/5/23

2. *[Signature]* 6/5/23

Date:

[Signature]

HEAD OF THE DEPARTMENT

Mrs. Anuradha. P

Head

Department of Computer Science
Indian Academy Degree College
Hennur Cross, Hennur Main Road
Bangalore-560043

Abstract

This internship report presents the **Inventory data Analysis** conducted at **Amphenol FCI OEN Connectors Ltd.**, a leading manufacturer of interconnect products. The objective of the project was to analyse the company's inventory data to identify trends, patterns, and opportunities for optimization.

The report begins with an overview of the company's inventory management system and the challenges faced in maintaining optimal inventory levels. It then describes the methodology used for data collection, analysis, and visualization, including the software tools and techniques utilized.

The analysis revealed several key findings, including a high level of inventory turnover and a significant amount of slow-moving and obsolete inventory. The report also identifies potential areas for improvement, such as implementing a better demand forecasting system and optimizing procurement processes.

Furthermore, the report presents a series of data visualizations and charts that provide a clear understanding of the company's inventory performance, trends, and challenges. These visualizations can serve as a valuable resource for future inventory management decisions.

INDIAN ACADEMY
Degree College - Autonomous

An Internship Report on

“DIABETIC RETINOPATHY PREDICTION”

Submitted in partial fulfillment of
III SEMESTER MSC DATA SCIENCE

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

STUDENT NAME

NITHISH KUMAR K S

REG NO

21IAMOS123

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Internship entitled “**DIABETIC RETINOPATHY PREDICTION**” is a bonafide work done by **NITHISH KUMAR K S** submitted in partial fulfillment of **III SEMESTER MSC DATA SCIENCE** during the academic year 2022-2023.

HEAD OF THE DEPARTMENT

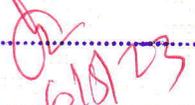
Mrs. Anuradha .P


Head
Department of Computer Science
Indian Academy Degree College
Hennur Cross, Hennur Main Road
Bangalore-560043.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED

Examiners

1.  6/5/23

2.  6/10/23

Date:



ZETACODING INNOVATIVE SOLUTIONS

A Unit of Greendome Educational Trust

Ref: Zeta/Intern/Cert-563

Date: 20/04/2023

CERTIFICATE OF INTERNSHIP

This is to Certify that **Mr. NITHISH KUMAR K S** USN: 21IAMOS123 M.Sc in Data Science of **INDIAN ACADEMY DEGREE COLLEGE ,AUTONOMOUS, BENGALURU** have successfully undergone an Internship Program of 3 months dated from **20-12-2022 to 03-03-2023** on **DEEP LEARNING** along with project title "**Diabetic Retinopathy detection using Deep Learning**".

During the tenure of Internship with us, he was found Punctual, Hardworking, Inquisitive, outgoing personality and works well as a team. He performed excellent and was able to complete the project successfully on time.

We wish him every success in career and future endeavors.

Regards

Director

Zetacoding Innovative Solutions.

Place: Bengaluru



Abstract :

Diabetic retinopathy is a serious eye disease that can lead to vision loss and blindness in individuals with diabetes. Early detection and treatment of diabetic retinopathy is crucial for preventing its progression. Deep learning, a subset of machine learning, has shown promising results in detecting diabetic retinopathy using fundus images. In this project, we propose a deep learning model for the detection of diabetic retinopathy.

The proposed model is based on a convolutional neural network (CNN) and transfer learning models (Resnet50, Inceptionv3). The dataset includes images with varying degrees of diabetic retinopathy, ranging from no retinopathy to severe retinopathy. This project aims to explore the performance of various convolutional neural network (CNN) architectures, including ResNet50, Inception, and custom CNN, in detecting diabetic retinopathy (DR) from retinal images. DR is a common complication of diabetes and can lead to vision loss if left untreated. Early detection and treatment of DR are critical for preventing blindness in diabetic patients.

In this project, a dataset of retinal images from diabetic patients was used to train and evaluate the performance of the three CNN architectures. The results showed that ResNet50 and Inception achieved higher accuracy in detecting DR than the custom CNN.

The ResNet50 architecture achieved the highest performance, with an accuracy of 95% and an F1-score of 0.95. These findings suggest that deep learning models based on ResNet50 and Inception can be effective in detecting DR from retinal images and have the potential to improve clinical outcomes for diabetic patients.

INDIAN ACADEMY
Degree College - Autonomous

An Internship Report on

“FAKE NEWS DETECTION USING LSTM”

Submitted in partial fulfillment of
III SEMESTER MSc DATA SCIENCE

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

Developed by

STUDENT NAME

SARANYA K

REGNO

21IAMOS124

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Internship entitled “FAKE NEWS DETECTION USING LSTM” is a bonafide work done by SARANYA K submitted in partial fulfillment of III SEMESTER MSc DATA SCIENCE during the academic year 2022-2023.

Anuradha
Head
Department of Computer Science
Indian Academy Degree College
Hennur Cross, Hennur Main Road
Bangalore-560043.

HEAD OF THE DEPARTMENT

Mrs. Anuradha .P

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners
1. *[Signature]*
2. *[Signature]*

Date: _____



Ref: Zeta/22/Intern/Cert-562

Date: 20/04/2023

CERTIFICATE OF INTERNSHIP

This is to Certify that Ms. SARANYA K bearing USN: 21IAMOS124, M.Sc in Data Science of INDIAN ACADEMY DEGREE COLLEGE ,AUTONOMOUS, BENGALURU have successfully undergone an Internship Program of 3 months dated from 20-12-2022 to 20-03-2023 on DEEP LEARNING along with project title "Fake News Detection using LSTM ".

During the tenure of Internship with us, she was found Punctual, Hardworking, Inquisitive, outgoing personality and works well as a team. She performed excellent and was able to complete the project successfully on time.

We wish her every success in career and future endeavors.

Regards

Director

Zetacoding Innovative Solutions.

Place: Bengaluru



ABSTRACT

We live in the age of information, every time we read a piece of information or watch the news on TV we look for a reliable source. There are so many Fake News spreading on the internet and social media. Fake News is misinformation or manipulated news that is spread on social media with the intention of harming a person, authority or organization. The spread of misinformation in critical situations can lead to disasters. Due to the proliferation of Fake News, there is a need for computerized methods to detect them. To prevent the damage that can be done using technology, we have implemented machine learning algorithms and techniques such as NLTK and LSTM. Our contribution is twofold. First, we need to introduce the datasets containing both fake news and real news and conduct various experiments to organize a fake news detector. We have better results compared to the existing systems.

INDIAN ACADEMY

Degree College - Autonomous

An Internship Report on

“TUBERCULOSIS DETECTION USING X-RAY IMAGES ON DEEP LEARNING”

Submitted in partial fulfillment of
III SEMESTER MSC DATA SCIENCE

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

STUDENT NAME

SNEHALATHA N

REG NO

21IAMOS125

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Internship entitled “**TUBERCULOSIS DETECTION USING X-RAY IMAGES ON DEEP LEARNING**” is a bonafide work done by **SNEHALATHA N** submitted in partial fulfillment of III SEMESTER MSC DATA SCIENCE during the academic year 2022-2023.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. _____

2. _____

Date: _____

6/5/23

6/5/23

Anuradha

Head
Department of Computer Science
Indian Academy Degree College
Mannur Cross, Hennur Main Road
Bengaluru-560043

HEAD OF THE DEPARTMENT

Mrs. Anuradha P.



ZETACODING INNOVATIVE SOLUTIONS

A Unit of Greendome Educational Trust

Ref: Zeta/22/Intern/Cert-560

Date: 20/04/2023

CERTIFICATE OF INTERNSHIP

This is to Certify that Ms. SNEHALATHA NANDIKOLAMATH bearing USN: 21IAMOS125, M.Sc in Data Science of INDIAN ACADEMY DEGREE COLLEGE ,AUTONOMOUS, BENGALURU have successfully undergone an Internship Program of 3 months dated from 20-12-2022 to 20-03-2023 on DEEP LEARNING along with project title "Tuberculosis Detection using X-ray Images on Deep Learning " .

During the tenure of Internship with us, she was found Punctual, Hardworking, Inquisitive, outgoing personality and works well as a team. She performed excellent and was able to complete the project successfully on time.

We wish her every success in career and future endeavors.

Regards

R. Rama

Director

Zetacoding Innovative Solutions.

Place: Bengaluru



Abstract :

Tuberculosis (TB) is a global issue that seriously endangers public health. Pathology is one of the most important means for diagnosing TB in clinical practice. This project aims to develop a deep learning model for tuberculosis (TB) detection using chest X-ray images. TB is a contagious and potentially fatal disease that affects millions of people worldwide. Early detection is crucial for effective treatment and prevention of its spread. The proposed model will utilize convolutional neural networks (CNNs) to learn discriminative features from chest X-ray images and classify them as TB-positive or TB-negative. The dataset used for training and testing the model will comprise of chest X-ray images of patients diagnosed with TB and healthy individuals. The system will be trained on a large dataset of annotated chest X-ray images and evaluated on an independent test set to assess its accuracy. The outcome of this project could potentially improve the efficiency and accuracy of TB diagnosis and reduce the burden on healthcare providers. We use CNN-based transfer learning approach using pre-trained models such as VGG19 , MobileNet, ResNet50 was utilized for classifying TB and normal cases from CXR images. The performance of models for testing datasets was evaluated using accuracy.

INDIAN ACADEMY

Degree College - Autonomous

A Internship Report on

“Inventory Analysis at Amphenol FCI”

Submitted in partial fulfilment of
III SEMESTER M.Sc DATA SCIENCE

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

Developed by

STUDENT NAME

SUPRAJA Y K

REGNO

21IAMOS126

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**Inventory Analysis**” is a bona fide work done by **SUPRAJA Y K**, submitted in partial fulfilment of III SEMESTER M.Sc DATA SCIENCE during the academic year 2021-2023.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *[Signature]* 6/15/23

2. *[Signature]* 6/15/23

Date: *[Signature]* 6/15/23

Anuradha

HEAD OF THE DEPARTMENT

Mrs. Anuradha. P

Head

Department of Computer Science
Indian Academy Degree College
Mannur Cross, Hennur Main Road
Bangalore-560043.

30/12/2022

TO WHOM IT MAY CONCERN

This is to certify that **Ms.Y.K.Supraja**, student of M.Sc. Data Science, in Indian Academy Degree College-Bangalore, has successfully completed internship programme for the period of 4 weeks during December 2022 in our organization. During the period of her internship, she was found punctual, hardworking and inquisitive. Her project was on Inventory Analysis.

We wish her success in her future endeavors.

For, FCI OEN Connectors Ltd.


Authorized Signatory



Abstract

This internship report presents the **Inventory data Analysis** conducted at **Amphenol FCI OEN Connectors Ltd.**, a leading manufacturer of interconnect products. The objective of the project was to analyse the company's inventory data to identify trends, patterns, and opportunities for optimization.

The report begins with an overview of the company's inventory management system and the challenges faced in maintaining optimal inventory levels. It then describes the methodology used for data collection, analysis, and visualization, including the software tools and techniques utilized.

The analysis revealed several key findings, including a high level of inventory turnover and a significant amount of slow-moving and obsolete inventory. The report also identifies potential areas for improvement, such as implementing a better demand forecasting system and optimizing procurement processes.

Furthermore, the report presents a series of data visualizations and charts that provide a clear understanding of the company's inventory performance, trends, and challenges. These visualizations can serve as a valuable resource for future inventory management decisions.

INDIAN ACADEMY
Degree College - Autonomous

A Project Report on

**“AI-EMPLOYEE DETECTION USING
DEEP LEARNING”**

Submitted in partial fulfillment of
IV SEMESTER M.Sc DATA SCIENCE

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

DHARANI G

21IAMOS121

Under the guidance of

DR. ARATI MOHAPATRO

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "AI-EMPLOYEE DETECTION USING DEEP LEARNING" is a bonafide work done by DHARANI G submitted in partial fulfillment of IV SEMESTER M.Sc DATA SCIENCE during the academic year 2022-2023.

INTERNAL GUIDE

Dr. Arati Mohapatro

HEAD OF THE DEPARTMENT

Mrs. Anuradha.P
Rao

Department of Computer Science
Indian Academy Degree College
Banner Cross, Hennur Main Road
Bangalore-560043

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED

Examiners
1.  /to by 
2. 
Date:

22-September-2023

NB/TL/2023/005

INTERNSHIP CERTIFICATE**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms.Dharani G (Reg No.21IAMOS121)**, a M.Sc Data Science from **Indian Academy Degree College – Autonomous, Bangalore** has completed her internship program in "**AI - Employee Detection With CCTV Camera**" at our company from 12-June-2023 to 15-September-2023.

During the course of her internship in our company, her performance was good. She was punctual, hardworking and inquisitive.

We wish her all the very best in her future endeavours.

For Nextbrain Technologies Pvt Ltd,



Authorised Signatory

Abstract:

In an era characterized by data-driven decision-making, the "AI Employee Detection Using Deep Learning" project emerges as a groundbreaking endeavor at the intersection of artificial intelligence and workforce management. Developed in collaboration with cutting-edge technology, this project revolutionizes traditional employee recognition and attendance tracking in office environments. By harnessing the capabilities of deep learning models and real-time camera data, it achieves remarkable accuracy and efficiency in attendance recording.

In my collaborative initiative, the "AI Employee Detection Using Deep Learning," not only addresses current challenges but also paves the way for the future of office security and attendance management. It positions organizations at the forefront of innovation, where AI and computer vision become strategic assets for streamlining operations and enhancing security.

This project's multifaceted methodology covers various aspects, including data collection, model development, real-time implementation, database integration, email notifications, and more. By seamlessly integrating these components, the system ensures a comprehensive and intelligent solution for employee detection and attendance tracking.

With the "AI Employee Detection Using Deep Learning," i embark on a journey that propels the workplace into a new era of data-driven efficiency and security. It is a testament to the power of AI and deep learning in redefining how organizations manage their workforce, making attendance tracking not just accurate but also intelligent.

INDIAN ACADEMY
Degree College - Autonomous

DEPARTMENT OF COMPUTER SCIENCE

An Internship Report on
“FORECASTING PHARMA BOUNCE RATE”

Submitted in partial fulfilment of
IV SEMESTER M.Sc DATA SCIENCE

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Developed by
MAHAMMED BAASHIK
21IAMOS122

Under the guidance of
DR. ARATI MOHAPATRO

CERTIFICATE

This is to certify that the project entitled “**FORECASTING PHARMA BOUNCE RATE**” is a bonafide work done by **MAHAMMED BAASHIK**, submitted in partial fulfilment of IV SEMESTER M.Sc DATA SCIENCE during the academic year 2021-2023.

Arati Mohapatro
INTERNAL GUIDE
Dr. Arati Mohapatro

Anuradha P.
HEAD OF THE DEPARTMENT
Mrs. Anuradha P.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED

Examiners

1. *Arati Mohapatro* *12/10/23* *Anuradha P.*

2. *Arati Mohapatro*

Date:

Head
Department of Computer Science
Indian Academy Degree College
Gannur Cross, Hennur Main Road
Bangalore-560043



CERTIFICATE *of* COMPLETION

This certificate is presented to

Mahammed Baashik

for successfully completing the Free Mini Internship Project on
" **Forecasting Pharma Bounce Rate Free Internship Project** "
through emerging technologies consulting firm
360DigiTMG from 12th September '2023 to 28th September'2023

Code: 360-IN/23/Q3/07/00938



September 28, 2023

Date

Bharani Kumar Depuru

Director

Abstract

In an era where data-driven decision-making reigns supreme, the pharmaceutical industry finds itself at the intersection of innovation and optimization. The "Forecasting Pharma Bounce Rate" project, in partnership with 360DigitMG, embarks on a transformative journey to leverage the power of data analytics and predictive modelling to address a pressing challenge within the pharmaceutical business – the bounce rate.

This collaborative initiative sets out to develop and deploy an AutoRegressive Integrated Moving Average (ARIMA) model, a potent tool in the data scientist's arsenal, to predict and minimize bounce rates.

The "Forecasting Pharma Bounce Rate" project, in partnership with 360DigitMG, isn't just about addressing today's challenges; it's about shaping the future of pharmaceutical retail. It's about positioning the pharmaceutical industry at the forefront of data-driven innovation, where data isn't just a resource; it's a strategic asset.

We delve into the intricacies of the project, exploring its objectives, methodologies, and the tangible benefits it brings to the pharmaceutical industry. Together with 360DigitMG, we embark on a journey of innovation and optimization, where data-driven decision-making is the compass guiding us toward success.

INDIAN ACADEMY
Degree College - Autonomous

A Project Report on

**“COVID-19 DETECTION USING DEEP
LEARNING”**

Submitted in partial fulfillment of
IV SEMESTER M.Sc DATA SCIENCE

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

NITHISH KUMAR K S

21IAMOS123

Under the guidance of

DR. ARATI MOHAPATRO

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "COVID-19 DETECTION USING DEEP LEARNING" is a bonafide work done by NITHISH KUMAR K S submitted in partial fulfillment of IV SEMESTER M.Sc DATA SCIENCE during the academic year 2022-2023.



INTERNAL GUIDE

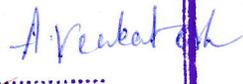
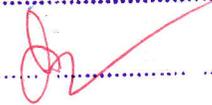
Dr. Arati Mohapatro



HEAD OF THE DEPARTMENT

Mrs. Anuradha.P

Head
Department of Computer Science
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1.   	
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ABSTRACT :-

In response to the ongoing COVID-19 pandemic, the need for efficient and accurate diagnostic tools has become increasingly pressing. This project represents an innovative effort to address this need through the development and deployment of a deep learning model capable of classifying chest X-ray images into three distinct categories: COVID-19, normal lung images, and viral pneumonia. Furthermore, this model has been deployed locally via Python Flask, allowing users to upload images and receive real-time predictions.

The COVID-19 pandemic, caused by the novel coronavirus SARS-CoV-2, has presented a unique set of challenges for healthcare professionals worldwide. Early and accurate diagnosis is paramount for effective patient management, as it enables timely isolation and treatment for COVID-19 cases while differentiating them from other respiratory conditions. Chest X-ray images have emerged as a valuable resource for this purpose, offering insights into the state of a patient's lungs.

To address this critical need, this project leverages deep learning and transfer learning techniques. Four distinct models—EfficientNetB0, VGG16, MobileNetV2, and a custom convolutional neural network (CNN)—are evaluated in terms of their performance metrics, including accuracy, precision, recall, and F1-score. These models serve as the foundation for the development of a diagnostic tool capable of classifying X-ray images into the aforementioned categories with a high degree of accuracy.

What sets this project apart is its focus on practical implementation. The deployment of the trained model through Python Flask, accessible via localhost, enables users, including healthcare professionals, to upload chest X-ray images and instantly obtain predictions regarding their classification. This user-friendly interface enhances the utility of the model, facilitating rapid decision-making in clinical settings.

I have provided an overview of the project's objectives, emphasizing the significance of accurate classification in the context of COVID-19 diagnosis, and highlighting the deployment aspect for real-time applications. Subsequent sections will delve into the methodology, results, and discussion, offering a detailed exploration of the project's approach and its potential impact in aiding early and accurate diagnoses in clinical practice.

INDIAN ACADEMY
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A Project Report on

**“PARKINSON’S DISEASE PREDICTION
USING MACHINE LEARNING”**

Submitted in partial fulfillment of
IV SEMESTER M.Sc DATA SCIENCE

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

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Under the guidance of

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Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled **“PARKINSON’S DISEASE PREDICTION USING MACHINE LEARNING”** is a bonafide work done by **SARANYA K (21IAMOS124)** submitted in partial fulfillment of **IV SEMESTER M.Sc DATA SCIENCE** during the academic year **2022-2023**.

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ABSTRACT

Parkinson's disease (PD) is a complex neurodegenerative disorder that affects millions of individuals worldwide. Early and accurate diagnosis of PD is crucial for timely intervention and improved patient outcomes. Machine learning, a subset of artificial intelligence, has emerged as a powerful tool in the field of medical diagnosis. This study presents a novel approach for the prediction of Parkinson's disease using machine learning algorithms.

Our research leverages a dataset containing clinical and voice-related features from individuals with and without PD. The dataset includes parameters such as vocal tremors, pitch, jitter, and other relevant clinical measurements. Several machine learning algorithms, including Random Forest, XGBoost, and Ensemble model, Catboost, Gradient Boosting were employed to build predictive models.

The dataset was preprocessed to handle missing values and outliers, and feature engineering techniques were applied to extract meaningful information. Model performance was evaluated using metrics such as accuracy, precision, recall, and F1-score. The results indicate that machine learning models, when trained on this dataset, can effectively predict the presence or absence of Parkinson's disease with high accuracy.

The proposed model has the potential to serve as a valuable tool for healthcare professionals in early PD diagnosis, allowing for proactive patient care and treatment planning. This research contributes to the growing body of work aimed at harnessing the power of machine learning to improve the diagnosis and management of Parkinson's disease.

Keywords: Parkinson's disease, machine learning, diagnosis, predictive modeling, healthcare, neurodegenerative disorders.

INDIAN ACADEMY
Degree College - Autonomous

DEPARTMENT OF COMPUTER SCIENCE

A Project Report on
**“PLANT LEAF DISEASE DETECTION
USING DEEP LEARNING ”**

Submitted in partial fulfillment of
IV SEMESTER M.Sc DATA SCIENCE

As prescribed by
**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by
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Under the guidance of
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INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**PLANT LEAF DISEASE DETECTION USING DEEP LEARNING**” is a bonafide work done by **SNEHALATHA N**, submitted in partial fulfillment of IV SEMESTER M.Sc DATA SCIENCE during the academic year 2022-2023.

Arati Mohapatro
11/10/23

INTERNAL GUIDE

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2. *Arati Mohapatro*

Date:

Abstract :

Foliar diseases are plant disorders that affect the leaves of a plant. Foliar diseases can be caused by fungi, bacteria, or even viruses. These diseases can spread quickly and easily from plant to plant, which is why it's important to take measures to prevent them and it can have devastating effects on crop yields and food security. There are many different types of foliar diseases, but some of the most common include, Black spot, Rusts, Leaf spots. Each type of foliar disease is caused by a different pathogen and can cause different symptoms in plants. Accurate diagnosis of diseases is essential to early treatment and can avoid yield loss. Traditional methods rely on inefficient field scouting. In this project, I used deep learning methods to classify plant leaf diseases that is healthy, scab, rust and multiple_disease. I used confusion matrix and pretrained CNN models to extract features.

I applied transfer learning with four deep learning models, VGG19, DenseNet121, ResNet50 and InceptionNet. Among these methods, DenseNet121 achieving the highest accuracy of 97%. The main goal of this project is to detect and classify whether the plant leaf is healthy or infected with disease such as scab,rust or multiple_diseases. And also improve the early detection of plant leaf disease and avoid the spread of the leaf disease. Solving this problem is important because diagnosing plant diseases early can save tonnes of agricultural produce every year. This will benefit not only the general population by reducing hunger, but also the farmers by ensuring they get the harvest they deserve

INDIAN ACADEMY

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DEPARTMENT OF COMPUTER SCIENCE

A Project Report on

**“HELMET AND NUMBER PLATE
DETECTION USING DEEP LEARNING”**

Submitted in partial fulfillment of

IV SEMESTER M.Sc DATA SCIENCE

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

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This is to certify that the project entitled “**HELMET AND NUMBER PLATE DETECTION USING DEEP LEARNING**” is a bonafide work done by **SUPRAJA YK**, submitted in partial fulfillment of IV SEMESTER M.Sc DATA SCIENCE during the academic year 2022-2023.

INTERNAL GUIDE

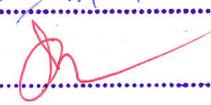
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Abstract

In today's fast-world, road safety has emerged as a critical concern, particularly with the increasing number of motorcycles on our streets. Manual monitoring of helmet compliance among motorcycle riders is not only labor-intensive but also susceptible to errors. To address this challenge, I have developed an advanced computer program designed to automate the detection of helmets in images and videos. This innovative system leverages YOLO (You Only Look Once) object detection to identify motorcycle riders and classify them as either helmeted or non-helmeted using a Convolutional Neural Network (CNN) model.

The program operates in two primary modes: live detection and video processing. In live detection, it continuously analyzes frames from a camera feed to assess helmet compliance. When a rider without a helmet is detected, the program captures the frame, records the timestamp, and securely stores this data in a MongoDB database. Additionally, the system features an email notification system that promptly alerts relevant personnel by sending an email with the captured image as an attachment and timestamp information.

This comprehensive system not only automates the monitoring of helmet compliance but also enhances road safety through the seamless integration of computer vision, deep learning, and efficient data management. It stands as a valuable tool for promoting safer roads in our technologically-driven environment, contributing to the welfare of all road users.

**A STUDY ON BANKS PERFORMANCE USING THE CAMEL APPROACH WITH
REFERENCE TO PUBLIC AND PRIVATE BANKS IN INDIA**

**“A STUDY ON BANKS PERFORMANCE USING THE CAMEL
APPROACH WITH REFERENCE TO PUBLIC BANKS AND PRIVATE
BANKS IN INDIA.”**

A Dissertation/ Project Report Submitted in Partial Fulfilment of the Requirements for the

Award of the Degree of

MASTER OF COMMERCE (Financial Analysis)

of

INDIAN ACADEMY
Degree College - Autonomous

By

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Register No. 21IAMOC001

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Faculty Member

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2021-2023

A STUDY ON BANKS PERFORMANCE USING THE CAMEL APPROACH WITH
REFERENCE TO PUBLIC AND PRIVATE BANKS IN INDIA

INDIAN ACADEMY
Degree College - Autonomous

Mr. Mohammed Arshad Ulla Khan
Faculty and the Guide

Dr.N. Thilaka
Principal

CERTIFICATE

This is to certify that Ms. ANJALI CHAND B, (Reg. No: 20IAMOC001) studying in IV Semester Master of Commerce at Indian Academy Degree College Autonomous has successfully completed dissertation/ Project and has prepared a report entitled "A STUDY ON BANKS PERFORMANCE USING THE CAMEL APPROACH WITH REFERENCE TO PUBLIC AND PRIVATE BANKS IN INDIA," under the guidance of Mr. Mohammed Arshad Ulla Khan, Faculty Member, Department of Commerce - PG Studies, Indian Academy Degree College - Autonomous, Bangalore. This is submitted to Indian Academy Degree College - Autonomous, in partial fulfilment of the requirements of the Institution for the Award degree of "Master of Commerce".

Date: 10-10-2023

Place: Bangalore.

Arshad.
Signature of the Guide

12/10/2023

Thilaka
Signature of the Principal

PRINCIPAL
INDIAN ACADEMY DEGREE COLLEGE
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**A STUDY ON BANKS PERFORMANCE USING THE CAMEL APPROACH WITH
REFERENCE TO PUBLIC AND PRIVATE BANKS IN INDIA**

INDIAN ACADEMY
Degree College - Autonomous

Ms. ANJALI CHAND B

IV Semester, M.Com

Register No. 21IAMOC001

Bengaluru – 560 043

DECLARATION

I hereby declare that this dissertation/ Project Report entitled “**A STUDY ON BANKS PERFORMANCE USING THE CAMEL APPROACH WITH REFERENCE TO PUBLIC AND PRIVATE BANKS IN INDIA**” submitted to Indian Academy Degree College - Autonomous in partial fulfilment of requirements of M.Com programme is a bonafide work carried by me under the guidance of **Mr. Mohammed Arshad Ulla Khan**. This has not been submitted to any other University or Institution for the award of any Degree/Diploma/Certificate or published any time before.

Date: 10/10/2023

Place: BANGALORE



Signature of the Student

**A STUDY ON BANKS PERFORMANCE USING THE CAMEL APPROACH WITH
REFERENCE TO PUBLIC AND PRIVATE BANKS IN INDIA**

ACKNOWLEDGEMENT

I am glad to use the opportunity to express my gratitude to all of them who are connected in bringing out this report.

I wish to express my special thanks to **Indian Academy Degree College – Autonomous** for giving me an opportunity to do this report.

I extend my thanks to **Dr.N.Thilaka**, Principal, Indian Academy Degree College Autonomous, Hennur cross, Kalyan Nagar, Bengaluru for encouragement in all our endeavour.

I express my heartfelt thanks to my HOD, **Prof.Magdalene Daniel**, Department of Commerce Indian Academy Degree College Autonomous, Hennur cross, Kalyan Nagar, Bengaluru for her support.

I extent my sincere thanks to my guide, **Mr. Mohammed Arshad Ulla Khan**, Faculty Member, Department of Commerce PG - Studies, Indian Academy Degree College Autonomous, Hennur cross, Kalyan Nagar, Bengaluru for his valuable advice, guidance and mentorship to complete this report successfully.

I am also thankful to my family, friends and all those who have helped me directly and indirectly in bringing out this dissertation / project report successfully.

Date: 10/10/2023

Place: BANGALORE



ANJALI CHAND B

REG. NO: 21IAMOC001

**A STUDY ON CREDIT RISK MANAGEMENT IN
STATE BANK OF INDIA DOORAVANINAGAR
BANGALORE.**

**Project Report Submitted In Partial Fulfilment of the Requirements For The
Award of the Degree Of**

**MASTER OF COMMERCE (FINANCIAL ANALYSIS)
Of**

INDIAN ACADEMY

DEGREE COLLEGE -AUTONOMOUS

Reaccredited by NAAC with 'A++' Grade

Recognized by Government of Karnataka & Affiliated to Bangalore North University

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Register No: 21IAMOC002

Under the guidance of

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(Assistant professor)

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Department of Commerce – PG Studies

Hennur Cross, Hennur Main Road, Bangalore – 560043

2021 - 2023

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY ON CREDIT RISK MANAGEMENT IN STATE BANK OF INDIA DOORAVANINAGAR BANGALORE" is the result of the dissertation work carried out by me under the guidance of Professor. Magdalene Daniel in partial fulfilment for the award of Master's Degree in Commerce (Financial Analysis) by Indian Academy Degree - Autonomous (Bangalore North University)

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other Degree or Diploma or Certificate.

Place: BANGALORE

Date: 12-10-2023

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ACKNOWLEDGEMENT

With immense gratitude, I acknowledge my sincere thanks to all those whose guidance made my efforts a success.

I express my heartfelt thanks to the HOD as well as my Guide Prof. Magdalene Daniel department of Commerce Indian Academy Degree College Autonomous for his support, valuable advice, guidance and mentorship to complete this report successfully.

Finally, I would like to express my appreciation and gratitude to my beloved family and my friends who helped me in whatever way possible in materializing this project report.


KRITHIKA R

**A STUDY ON WORKING CAPITAL MANAGEMENT OF STATE
BANK OF INDIA
VIJAYANAGARA, BANGALORE**

A Dissertation / Project report submitted in partial fulfilment of

The requirements for the award

Degree of MASTERS OF COMMERCE

(FINANCIAL ANALYSIS)

INDIAN ACADEMY

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Reaccredited by NAAC 'A++' Grade

Recognized by Government of Karnataka & Affiliated to Bengaluru North University

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HENNUR MAIN ROAD, BANGALORE – 43

2021-2023



A STUDY ON WORKING CAPITAL MANAGEMENT OF STATE
BANK OF INDIA
VIJAYANAGARA, BANGALORE

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Mr. Jaffer Mohammed C
Faculty and the Guide

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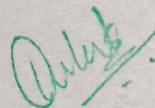
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This is to certify that **Mr. Prathiba D, (Reg. No: 21IAMOC004)** studying in IV Semester **Master of Commerce (financial Analysis)** at Indian Academy Degree College Autonomous has successfully completed dissertation/ Project and has prepared a report entitled "**A Study on working capital management of SBI,**" under the guidance of **Mr. Jaffer Mohammed C, Faculty Member, Department of Commerce - PG Studies, Indian Academy Degree College - Autonomous, Bangalore.** This is submitted to Indian Academy Degree College - Autonomous, in partial fulfilment of the requirements of the Institution for the Award degree of "**Master of Commerce (Financial Analysis)**".

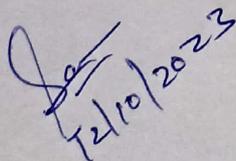
Date: 12-10-2023

Place: Bangalore


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Signature of the Principal

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12/10/2023

A STUDY ON WORKING CAPITAL MANAGEMENT OF STATE

BANK OF INDIA

VIJAYANAGARA, BANGALORE

Acknowledgement

I am glad to use the opportunity to express my gratitude to all of them who are connected in bringing out this report. I wish to express my special thanks to Indian Academy Degree College Autonomous for giving me an opportunity to do this report. I extend my thanks to Dr.N Thilika, Indian Academy Degree College Autonomous, Hennur Cross, Kalyan Nagar, Bengaluru for encouragement in all our endeavours.

I express my heartfelt thanks to the HOD Prof. Magdalene Daniel Department of Commerce Indian Academy Degree College Autonomous Hennur Cross, Kalyan Nagar Bengaluru for his support. I extend my sincere thanks to my guide, Mr. Jaffer Mohammed C, faculty member Department of Commerce PG - Studies, Indian Academy Degree College Autonomous Hennur cross, Kalyan Nagar Bengaluru for his valuable advice, guidance and mentorship to complete this report successfully.

My deep sense of gratitude to Mr SRIDHAR JOSHI - BANK MANAGER for giving me this opportunity for doing the project as well guiding me to complete the report. I sincerely thank the manager and staff of the finance department for their valuable time, co-operation throughout the project. I am also thankful to my family, friends and all those who have helped me directly and indirectly in bringing out this project successfully.

Date: 12-10-2023

Place: Bangalore

Ms. PRATHIBA. D

(21IAMOC004)



A STUDY ON CAPITAL BUDGETING AND PRACTICES AT RAIL WHEEL FACTORY
YELAHANKA BENGALURU

A Dissertation/Project Report Submitted in Partial Fulfilment of the
Requirements for the award of the degree of

MASTER OF COMMERCE (FINANCIAL ANALYSIS)

OF

INDIAN ACADEMY

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Re accredited by NAAC with 'A++' Grade

Recognized by Government of Karnataka and affiliated to Bangalore North University

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Register Number: 21IAMOC005

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2021-2023

A STUDY ON CAPITAL BUDGETING AND PRACTICES AT RAIL WHEEL FACTORY
YELAHANKA BENGALURU

ACKNOWLEDGEMENT

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I express my heartfelt thanks to the HOD prof. Magdalene Daniel Department of commerce, Indian Academy Degree Autonomous, Hennur cross, Kaylan Nagar, Bengaluru for his support, I extend my sincere thanks to my guide, Mrs. Shobha, faculty member Department of commerce PG- studies, Indian Academy Degree Autonomous, Hennur cross, Kaylan Nagar, Bengaluru for her valuable advice, guidance and mentorship to complete this report successfully

My deep sense of gratitude to Mr. Vassu-Manager of finance for giving me this opportunity for doing the. Dissertation well guiding me to complete the report. I sincerely thank the manager and staff of the finance department for their valuable time, co-operation throughout the project. I am also thankful to my family, friends and all those who have helped me directly and indirectly in bringing out this internship successfully

Date: 12/10/23

Place: Banglore.

Ms. Preethi.N

Reg No: 21IAMOC005

A STUDY ON CAPITAL BUDGETING AND PRACTICES AT RAIL WHEEL FACTORY
YELAHANKA BENGALURU

Ms. Preethi.N

VI Semester, M.com

Register No: 21IAMOC005

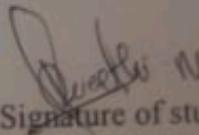
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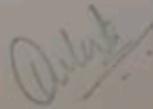
DECLARATION

I hereby declare that "A STUDY ON CAPITAL BUDGETING TECHNIQUES" is the result of the project work carried out by me under the guidance of Mrs. Shoba in partial fulfilment for the award of master's in commerce by Indian Academy Degree College autonomous affiliated to Bengaluru North University. I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university of the institute for the award of any other degree or certificate

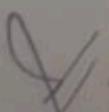
Date: 12/10/23

Place: Bangalore


Signature of student



PRINCIPAL
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HENNUR MAIN ROAD
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12/10/2023

**"PROCESS COSTING AS AN EFFECTIVE TOOL IN MANUFACTURING TO
IDENTIFY TOTAL PRODUCTION COST OF EACH UNIT OF PRODUCT- A CASE
STUDY OF RAIL WHEEL FACTORY, BENGALURU".**

A Dissertation / Project Report Submitted in Partial Fulfilment of the Requirement for the
Award of the Degree

MASTER OF COMMERCE (FINANCIAL ANALYSIS)

Of

INDIAN ACADEMY

DEGREE COLLEGE- AUTONOMOUS

Reaccredited by NAAC 'A++' Grade

Recognized by Government of Karnataka & Affiliated to Bengaluru North University

By

SINDHU N B

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Under the guidance of

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2021-2023

INDIAN ACADEMY

Degree College - Autonomous

Prof. Magdalene Daniel

HOD and the Guide

Dr. N. Thilaka

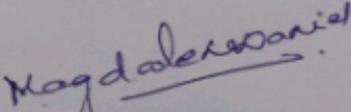
Principal

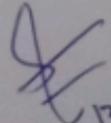
CERTIFICATE

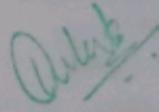
This is to certify that Ms Sindhu N.B, (Reg.No:21IAMOC006) studying in IV Semester **Master of Commerce (Financial Analysis)** at Indian Academy Degree College Autonomous has successfully completed dissertation/ Project and has prepared a report entitled “ **Process Costing as an effective tool in Manufacturing to identify production cost of each unit of product - A Case Study of Rail Wheel Factory, Bengaluru,**” under the guidance of Prof. Magdalene Daniel, HOD, Department of Commerce - PG Studies, Indian Academy Degree College - Autonomous, Bangalore. This is submitted to Indian Academy Degree College - Autonomous, in partial fulfilment of the requirements of the Institution for the Award degree of “**Master of Commerce (Financial Analysis)**”.

Date: 12-10-2023

Place: Bengaluru


Signature of the Guide


12/10/2023


Signature of the Principal

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ACKNOWLEDGEMENT

I am glad to use the opportunity to express my gratitude to all of them who are connected in bring out this report. I wish to express my special thanks to Indian Academy Degree College Autonomous for giving me an opportunity to do this report.

I extend my thanks to, **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, Hennur Cross, and Kalyan Nagar Bengaluru for encouragement in all our endeavours..

I would like express my sincere thanks to **Dr N Thilaka**, Principal, **INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS** Hennur cross, Kalyan Nagar, Bengaluru

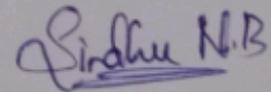
I express my heartfelt thanks to the HOD **Prof Magdalene Daniel**, Department of Commerce **INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS** Hennur cross, Kalyan Nagar Bengaluru for her Support.

I extend my sincere thanks to my guide, **Prof Magdalene Daniel** HOD Department of Commerce PG- Studies, **INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS**, Hennur Cross, Kalyan Nagar Bengaluru for her valuable advice, guidance and mentorship to complete this report successfully.

My deep sense of gratitude to **Mr N Vasudevan Nayak** (Asst Financial Adviser) for giving me this opportunity for doing this project as well as guiding me by giving information to complete the report. I am also thankful to my family, friends and all those who have helped me directly and indirectly in bringing out this project successfully.

Date: 12-10-2023

Place: Bengaluru



Ms SINDHU N B

(21IAMOC006)

**A STUDY OF PROSPECT AND PROBLEMS WITH REGARD TO
MODE OF DIGITAL PAYMENTS AMONG SMALL TRADERS AT K.R.
PURAM MARKET, BANGALORE.**

Project report submitted in partial fulfilment of the requirements for the
award of the Degree of

MASTER OF COMMERCE (FINANCIAL ANALYSIS)

Of

INDIAN ACADEMY

DEGREE COLLEGE -AUTONOMOUS

Reaccredited by NAAC with 'A++' Grade

Recognized by Government of Karnataka & Affiliated to Bangalore North University

By

SONIYA R B

Register No: 21IAMOC007

Under the guidance of

Mrs. Magdalene Daniel

(Assistant professor)

INDIAN ACADEMY
Degree College - Autonomous

Department of Commerce – PG Studies

Hennur Cross, Hennur Main Road, Bangalore – 560043

2021 - 2023

**A STUDY OF PROSPECT AND PROBLEMS WITH REGARD TO
MODE OF DIGITAL PAYMENTS AMONG SMALL TRADERS AT K.R.
PURAM MARKET, BANGALORE.**

ACKNOWLEDGEMENT

With immense gratitude, I acknowledge my sincere thanks to all those whose guidance made my efforts a success.

I would like to express my special thanks to Indian Academy Degree College – Autonomous for giving me an opportunity to present this report. I express my heartfelt thanks to the Head, Department of Commerce, Prof. Magdalene Daniel for the valuable support and for giving me an opportunity to do the dissertation work.

I express my deep sense of gratitude and sincere thanks to my guide Prof. Magdalene Daniel, for her valuable suggestions which directly influenced in the development of every step of my work. I would like to express my hearty thanks to all Lectures for their great support.

Finally, I would like to express my appreciation and gratitude to my beloved family and my friends who helped me in whatever way possible in materializing this project report.

Soumya
SC/17A/R.B

**A STUDY OF PROSPECT AND PROBLEMS WITH REGARD TO
MODE OF DIGITAL PAYMENTS AMONG SMALL TRADERS AT K.R.
PURAM MARKET, BANGALORE.**

DECLARATION BY THE STUDENT

I hereby declare that "A STUDY OF PROSPECT AND PROBLEM WITH REGARD TO MODE OF DIGITAL PAYMENTS AMONG SMALL TRADERS AT K.R. PURAM MARKET, BANGALORE." is the result of the dissertation work carried out by me under the guidance of Professor. Magdalene Daniel in partial fulfilment for the award of Master's Degree in Commerce (Financial Analysis) by Indian Academy Degree - Autonomous (Bangalore North University)

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other Degree or Diploma or Certificate.

Place: BANGALORE

Date: 12/10/23


Name: SONIYA R.B

Register No: 21IAMOC007

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

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT REPORT ON

**“NATURE’S CHROMATIC PALATE: EXPLORING THE SPECTRUM OF
CAROTENOIDS IN FRUITS WASTE AND MICROBES”**

Submitted by

**POOJA PANDEY (21IAMOS142),
CHANDRAKALA L (21IAMOS133),
MADDINI MONALISHA (21IAMOS139)**

Under the guidance of

**Dr. S. Anu Kiruthika, M.Sc., Ph.D.,
Associate Professor**

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

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

SEPTEMBER-2023

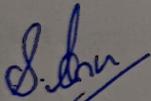
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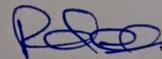
BONAFIDE CERTIFICATE

This is to certify that this dissertation entitled, "NATURE'S CHROMATIC PALATE: EXPLORING THE SPECTRUM OF CAROTENOIDS IN FRUITS WASTE AND MICROBES" submitted by POOJA PANDEY (21IAMOS142), CHANDRAKALA L (21IAMOS133), MADDINI MONALISHA (21IAMOS139) 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 there of has not been submitted elsewhere for any other degree.

Date:

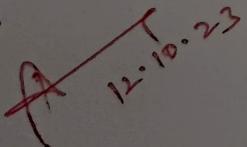
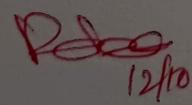


Guide and Supervisor



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

EXAMINERS

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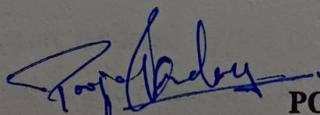
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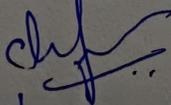
DECLARATION

We hereby declare that the thesis entitled “NATURE’S CHROMATIC PALATE: EXPLORING THE SPECTRUM OF CAROTENOIDS IN FRUITS WASTE AND MICROBES” 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 **Dr. S Anu Kiruthika**, Associate Professor, Department of Life Sciences - Microbiology, Indian Academy Degree College-Autonomous, Bengaluru.

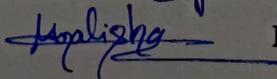
We further declare that the work reported in this thesis has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or University.



POOJA PANDEY (21IAMOS142),



CHANDRAKALA L (21IAMOS133),



MADDINI MONALISHA (21IAMOS139)

Place: Bengaluru

Date: 12/10/23

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT REPORT ON

“MICROBIAL SYMPHONY - TURNING FLOWER WASTE INTO NUTRIENT RICH FERTILIZER THROUGH CONSORTIA BASED DEGRADATION”

Submitted by

**JOYCE MADALENE (21IAMOS136),
PAVAN KUMAR A (21IAMOS141),
RAGHAVI KV (21IAMOS143)**

Under the guidance of

**Dr. S. Anu Kiruthika, M.Sc., Ph.D.,
Associate 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

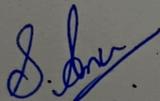
INDIAN ACADEMY

Degree College - Autonomous

BONAFIDE CERTIFICATE

This is to certify that this dissertation entitled, "Microbial Symphony - Turning Flower Waste Into Nutrient Rich Fertilizer Through Consortia Based Degradation" submitted by JOYCE MADALENE (21IAMOS136), PAVAN KUMAR A (21IAMOS141), RAGHAVI KV (21IAMOS143) 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 there of has not been submitted elsewhere for any other degree.

Date:



Guide and Supervisor



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

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Date	12-10-2023



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DECLARATION

We hereby declare that the thesis entitled “**Microbial Symphony - Turning Flower Waste Into Nutrient Rich Fertilizer Through Consortia Based Degradation**” 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 **Dr. S Anu Kiruthika**, Associate 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.

JOYCE MADALENE (21IAMOS136) *Joyce*

PAVAN KUMAR A (21IAMOS141) *Pavan*

RAGHAVI KV (21IAMOS143) *Raghu*

Place: Bengaluru

Date: 11/10/2023

INDIAN ACADEMY

Degree College - Autonomous

A Project Dissertation submitted on

**LANTIBIOTICS FROM ACTINOMYCETES: ISOLATION, GENETIC
ANALYSIS, EFFICACY EVALUATION AND MOLECULAR IN-SILICO
CLONING FOR ITS THERAPEUTIC APPLICATIONS AGAINST
STAPHYLOCOCCUS AUREUS CAUSING NOSOCOMIAL INFECTIONS**

Submitted By

M P Sandhya (21IAMOS138)

Sidra Khousin (21IAMOS152)

Sukanya Dutta (21IAMOS153)

In partial fulfillment of the requirements for the award of a degree of

MASTER OF SCIENCE In MICROBIOLOGY

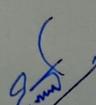
UNDER THE GUIDANCE OF Prof. P. Rajarajan

Department of Microbiology Indian Academy Degree College - Autonomous

September 2023

CERTIFICATE

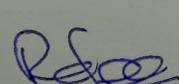
This is to certify that the thesis entitled "LANTIBIOTICS FROM ACTINOMYCETES: ISOLATION, GENETIC ANALYSIS, EFFICACY EVALUATION AND MOLECULAR IN-SILICO CLONING FOR ITS THERAPEUTIC APPLICATIONS AGAINST *STAPHYLOCOCCUS AUREUS* CAUSING NOSOCOMIAL INFECTIONS" submitted by M. P. Sandhya (21IAMOS138), Sidra Khousin (21IAMOS152) and Sukanya Dutta (21IAMOS153) in partial fulfillment of the requirements for the award of Master of Science in Microbiology of Department of Microbiology, Indian Academy Degree College - Autonomous, Bangalore is based on the original results of the original work carried out during the period of January 2023 to September 2023 under my guidance and supervision. The present work does not contain any other work, which has been previously submitted for the award of any degree anywhere. The thesis satisfies the academic requirements with respect to the work prescribed for the degree.


Project Guide

Prof. P. Rajarajan

Professor

IADC-A, Bangalore


Program Co-ordinator

Dr. Malaiyarasa Pandian. P

Professor

IADC-A, Bangalore

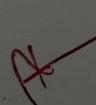
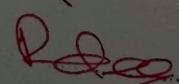
EXAMINERS:

Program Coordinator - Microbiology

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

INDIAN ACADEMY DEGREE COLLEGE	
Department of Microbiology	
Examiner:	
1. 	12.10.2023
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Date:	

DECLARATION

I hereby declare that the thesis entitled "LANTIBIOTICS FROM ACTINOMYCETES: ISOLATION, GENETIC ANALYSIS, EFFICACY EVALUATION AND MOLECULAR IN-SILICO CLONING FOR ITS THERAPEUTIC APPLICATIONS AGAINST *STAPHYLOCOCCUS AUREUS* CAUSING NOSOCOMIAL INFECTIONS" submitted to Department of Microbiology, Indian Academy Degree College - Autonomous, Bangalore, in partial fulfillment of requirements for the award of Degree of Master of Science in Microbiology is the result of original work carried out by me during the period of January 2023 to September 2023 under the guidance of Prof. P. Rajarajan. This work is original and has not been submitted earlier as a whole or in part for a degree/diploma at this or any other institution.

Place: Bangalore

Date: 12/10/2023

Signature and Name of Student

Sidra Khousin (21IAMOS152) - Sidra Khousin

Sukanya Dutta (21IAMOS153) - Sukanya Dutta

M. P. Sandhya (21IAMOS138) - Sandhya

INDIAN ACADEMY

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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

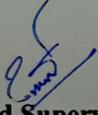
INDIAN ACADEMY

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

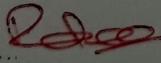


Programme- Coordinator

Dr. Malaiyarasa Pandian P

Professor

INDIAN ACADEMY DEGREE COLLEGE
Bengaluru
EXAMINERS

Examiners:
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Date: 12/10/2023

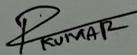
INDIAN ACADEMY

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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.

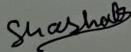
We further declare that the work reported in this thesis has not been submitted and will not be submitted, either in part or in full, for the award of any other degree or diploma in this institute or any other institute or university.



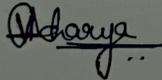
RANJITH KUMAR G S (21IAMOS146),



SANJOTA K PETKAR (21IAMOS148),



SHASHANK V (21IAMOS150),



VAISHNAVI GANAPATI ACHARYA (21IAMOS154)

Place: Bengaluru

Date: 12 | 10 | 23

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A PROJECT REPORT ON

**“BIOPROSPECTING MICROALGAL ISOLATES FROM BENGALURU
CITY'S FRESHWATER LAKE: CHARACTERIZATION, AND
OPTIMIZATION OF LIPID AND PROTEIN YIELD UNDER VARIED
CULTURE CONDITIONS”**

Submitted by

**ALICE SHEBA S (21IAMOS127)
HARISH K R (21IAMOS135),
SHILPA S (21IAMOS151),**

Under the guidance of

**Dr. Malaiyarasa Pandian P, M.Sc., Ph.D.,
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

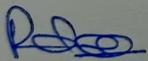
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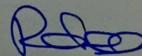
BONAFIDE CERTIFICATE

This is to certify that this dissertation entitled, "BIOPROSPECTING MICROALGAL ISOLATES FROM BENGALURU CITY'S FRESHWATER LAKE: CHARACTERIZATION, AND OPTIMIZATION OF LIPID AND PROTEIN YIELD UNDER VARIED CULTURE CONDITIONS" submitted by HARISH K R (21IAMOS135), SHILPA S (21IAMOS151), and ALICE SHEBA S (21IAMOS127) 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:



Guide and Supervisor



Programme- Coordinator

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

EXAMINERS

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Examiners	_____
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Handwritten signature

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DECLARATION

We hereby declare that the thesis entitled **“BIOPROSPECTING MICROALGAL ISOLATES FROM BENGALURU CITY'S FRESHWATER LAKE: CHARACTERIZATION, AND OPTIMIZATION OF LIPID AND PROTEIN YIELD UNDER VARIED CULTURE CONDITIONS”** 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 **Dr. MALAIYARASA PANDIAN P**, 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.

Alice Sheba S

ALICE SHEBA S (21IAMOS127)

Harish K R

HARISH K R (21IAMOS135)

Shilpa S

SHILPA S (21IAMOS151)

Place: Bengaluru

Date: 11-10-2023

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT REPORT ON

**“EXTRACTION OF PIGMENT FROM *SERRATIA* AND IT'S APPLICATION AS
TEXTILE DYE”**

Submitted by

DIVYA R

Reg. No: 21IAMOS134

MONALISA S

Reg. No: 21IAMOS140

Under the guidance of

Dr. Sahithya K, M.Sc., Ph.D.,

Assistant 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

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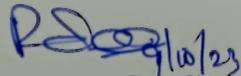
BONAFIDE CERTIFICATE

This is to certify that this dissertation entitled, "Extraction of pigment from *Serratia* and it's application as textile dye" submitted by Ms. DIVYA R (21IAMOS134) and MONALISA S (21IAMOS140) 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 there of has not been submitted elsewhere for any other degree.

Date: 09/10/2023



Guide and Supervisor



Programme- Coordinator
Program Coordinator - Microbiology

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

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2.

Date:

A 12-10-2023



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Degree College - Autonomous

DECLARATION

We hereby declare that the thesis entitled "**Extraction of pigment from *Serratia* and its application as textile dye**" 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 me under the supervision of Dr. Sahithya K, Assistant 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.

Place: Bengaluru

Date: 12.10.2023

Divya R
D*

Monalisa S.
Monalisa S.

Signature of the Candidate

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT REPORT ON

**“BACTERIAL NANOCELLULOSE PRODUCTION FROM
LOW-COST SUBSTRATES: SUGARCANE AND PAPAYA JUICE”**

Submitted by

**KEERTHI VARMA (21IAMOS137),
RUKSANA S (21IAMOS147),
SHALINI M (21IAMOS149)**

Under the guidance of

**Dr. Malaiyarasa Pandian P, M.Sc., Ph.D.,
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

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Degree College - Autonomous

BONAFIDE CERTIFICATE

This is to certify that this dissertation entitled, "BACTERIALNANOCELLULOSE PRODUCTION FROM LOW-COST SUBSTRATES: SUGARCANE AND PAPAYA JUICE" submitted by KEERTHI VARMA (21IAMOS137), RUKSANA S (21IAMOS147), and SHALINI M (21IAMOS149) 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:



Guide and Supervisor



Programme- Coordinator

Program Coordinator - Microbiology
Department of Life Sciences

Indian Academy Degree College - Autonomous
Bangalore - 560043

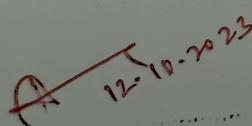
EXAMINERS

INDIAN ACADEMY DEGREE COLLEGE

1. Department of Microbiology

2.

Examiner:

1.  12-10-2023

2. 

Date:

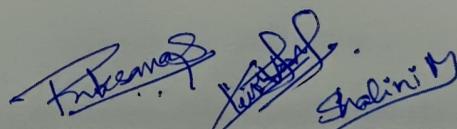
INDIAN ACADEMY

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DECLARATION

We hereby declare that the thesis entitled **BACTERIALNANOCELLULOSE PRODUCTION FROM LOW-COST SUBSTRATES: SUGARCANE AND PAPAYA JUICE**” 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 **Dr. MALAIYARASA PANDIAN P**, 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.



KEERTHI VARMA (21IAMOS137)
RUKSANA S (21IAMOS147)
SHALINI M (21IAMOS149)

Place: Bengaluru

Date: 11/10/2023

INDIAN ACADEMY

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A PROJECT REPORT ON

**“GREEN SYNTHESIS OF COPPER NANOPARTICLES FROM VITIS VINIFERA
AND THEIR ANTIFUNGAL ACTIVITY AGAINST PHYTOPATHOGENS”**

Submitted by

BELLARY JASWANTH (21IAMOS132)

B. BRUNDA (21IAMOS130)

B. PRIYANKA (21IAMOS131)

Under the guidance of

Dr. SAHITHYA K, M.Sc., Ph.D.,

Assistant Professor

Submitted in partial fulfilment 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-2022

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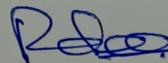
BONAFIDE CERTIFICATE

This is to certify that this dissertation entitled, "Green Synthesis of Copper Nanoparticles from Vitis Vinifera and Their Antifungal Activity Against Phytopathogens" submitted by BELLARY JASWANTH (21IAMOS132), B. BRUNDA (21IAMOS130), B. PRIYANKA (21IAMOS131) in partial fulfilment 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 him 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: 11/10/2023



Guide and Supervisor



Program Coordinator
Program Coordinator - Microbiology

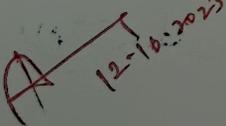
Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

INDIAN ACADEMY DEGREE COLLEGE

EXAMINERS

1. 

2. 

Date: 12-10-2023

INDIAN ACADEMY

Degree College - Autonomous

DECLARATION

I hereby declare that the thesis entitled “**Green Synthesis of Copper Nanoparticles from Vitis Vinifera and Their Antifungal Activity Against Phytopathogens**” submitted by me, 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 me under the supervision of **Dr. K Sahithya**, Assistant Professor, Department of Microbiology, Indian Academy Degree College-Autonomous, Bengaluru.

I 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.

(BELLARY TASWANATH)

(B. Brunda)

(B. Priyanka)

Signature of the Candidate

Place: Bengaluru

Date:

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT REPORT ON

**" THE DESIGN AND DEVELOPMENT OF WINE FROM FRUITS AND GRAINS
WITH LOW GLYCEMIC LOAD INDEX FOR DIABETIC PATIENTS"**

Submitted by

**RAKSHA R (21IAMOS145),
ANUSHA K P (21IAMOS128),
RAHUL E (21IAMOS144)**

Under the guidance of

**Ms. Qurath Ul Ain, M.Sc.,
Assistant 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

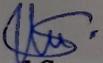
INDIAN ACADEMY

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BONAFIDE CERTIFICATE

This is to certify that this dissertation Entitled " The Design and Development of Wine From fruits And Grains with Low Glycemic Load Index for Diabetic Patients", submitted by RAKSHA R (21IAMOS145), ANUSHA K P (21IAMOS128), RAHUL E (21IAMOS144) 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

Ms. Qurath Ul Ain

Assistant Professor

IADC-A



Programme- Coordinator
Program Coordinator - Microbiology

Department of Life Sciences

Indian Academy Degree College - Autonomous

Bangalore - 560043

EXAMINERS

1.

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Degree College - Autonomous

DECLARATION

We hereby declare that the thesis entitled " **The Design and Development of Wine From fruits And Grains with Low Glycemic Load Index for Diabetic Patients**" 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 **Ms. Qurath Ul Ain**, Associate 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.

RAKSHA R(21IAMOS145) *Raksha R*
ANUSHA K P (21IAMOS128) *Anusha K.P*
RAHULE (21IAMOS144) *E. RLP*

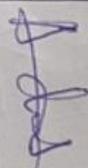
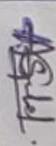
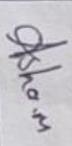
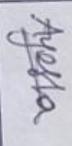
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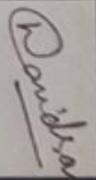
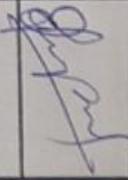
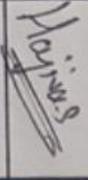
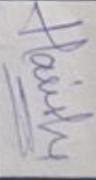
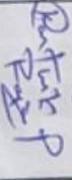
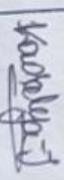
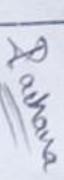
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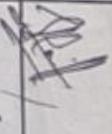
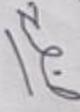
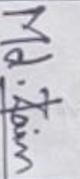
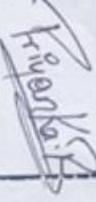
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DEPARTMENT OF BUSINESS ADMINISTRATION
VI SEM BBA PROJECT TITLE - MARCH 2023
BONOFIDE CERTIFICATE - ISSUE ON 24TH JUNE, 2023

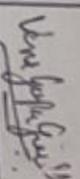
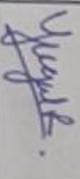
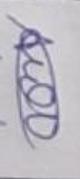
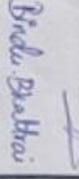
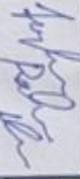
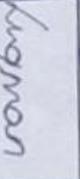
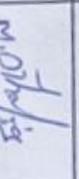
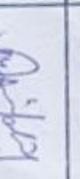
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1	20IABBA007	ALLON DANIEL V P	Fin	A study on Financial Derivatives of Futures at Wayonc Investments Pvt Ltd.	Wayonc Investments Pvt Ltd.	
2	20IABBA012	ARUN GULED	Fin	A study on Loans and Advances at State Bank of India.	State Bank of India.	
4	20IABBA014	ARVIND RAJESH S	Fin	A study on Performance Analysis of Mutual Fund at Jana Small Finance Bank Ltd.	Jana Small Finance Bank Ltd.	
5	20IABBA015	ASHA M	Fin	A study on effects of Risk Management practices on the performance of insurance at Ideal Insurance Brokers Pvt. Ltd	Ideal Insurance Brokers Pvt. Ltd	
6	20IABBA017	AYESHA SIDDIQUA	Fin	A study on role of Information Technology in Banking at Canara Bank	Canara Bank	
7	20IABBA019	BHOOMIKA L.	Fin	A study on Financial Literacy and Investment Behaviour of Employees at Sigma Byte Computes pvt Ltd.	Sigma Byte Computes pvt Ltd.	
8	20IABBA020	BHUVANESHWARI A G	Fin	A study on Personal Loan Recovery and NPAs at Bajaj Finance Limited.	Bajaj Finance Limited.	
9	20IABBA023	CLEMENT S	Fin	A Study on Cost Investment and Planning Financial needs at Venesco Corp Pvt. Ltd.	Venesco Corp Pvt. Ltd.	

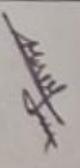
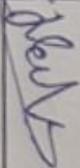
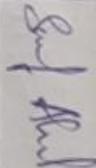
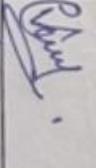
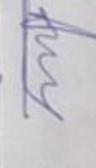
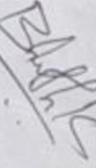
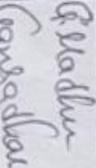
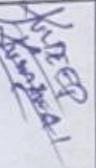
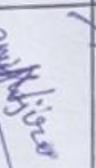
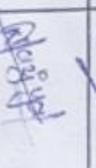
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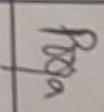
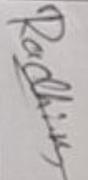
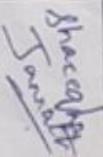
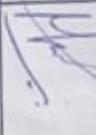
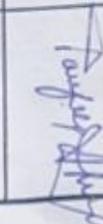
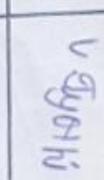
10	20IABBA024	DAVID SAM A	Fin	A study on Cost Reduction at Yaa Apparels Pvt. Ltd.	Yaa Apparels Pvt. Ltd.	
11	20IABBA028	FEVIYA RUTH D	Fin	A study on Methods of Cost Control in Construction contracts at Anand Constructions	Anand Constructions	
12	20IABBA032	HAIIRA SULTAN	Fin	A Comparative Study on Financial Statement Analysis with reference to Arise Electric.	Arise Electric.	
13	20IABBA033	HARISH M R	Fin	A study on Debt Management of Employees at Flatworld Solutions Pvt. Ltd	Flatworld Solutions Pvt. Ltd	
14	20IABBA036	HIMANSHU KUMAR	Fin	A study on Stock Control Management at Reliance Retail Ltd. Bangalore	Reliance Retail Ltd.	
15	20IABBA037	JEEVAN J	Fin	A study on Financial Performance at Flatworld Solutions Pvt Ltd.	Flatworld Solutions Pvt Ltd.	
16	20IABBA038	KARTHIK RAJA P	Fin	A study on Cash Flow Statement at Wipro Ltd.	Wipro Ltd.	
17	20IABBA039	KAUSHIK R	Fin	A study on Non Performing Assets at Karnataka Gramin Bank.	Karnataka Gramin Bank	
18	20IABBA040	KOWSALYA J	Fin	A study on Tax Saving Strategies of Salaried Employees at Royalls ReDegors LLP	Royalls ReDegors LLP	
19	20IABBA042	LOUSSILAHO MIET INNEL DIVINE	Fin	A study on the Impact of Economic factors on investor's behaviour in North Bangalore.	Open Project	
20	20IABBA043	M RACHANA	Fin	A study on Pre and Post Covid Stock Price Movements at Reliance Retail Ltd.	Reliance Retail Ltd.	

21	20IABBA044	MALIK REHAN BARID	Fin	A Study on Economics and Mechanism of Forex Markets at Aiwa Tours and Travels	Aiwa Tours and Travels	
22	20IABBA045	MANJUNATH M	Fin	A Study on Gold Loan Scheme at Jana Small Finance Bank Ltd.	Jana Small Finance Bank Ltd.	
23	20IABBA048	MOHAMMED ATIUR RAZAQH	Fin	A study on Impact of Inflation on operations of State Bank of India	State Bank of India	
24	20IABBA053	MOHAMMED SAFWAN SHARIFF	Fin	A Comparative Study on Financial Performance of Caravel Info Systems Private Limited.	Caravel Info Systems Private Limited	
^P 25	20IABBA057	MOHAMMED ZAHID	Fin	A Study on Impact of GST at Hayyan and Associates.	Hayyan and Associates.	
26	20IABBA058	MOHAMMED ZAID	Fin	A Study on the Impact of Demonetization at Antrax Technoogies Pvt. Ltd.	Antrax Technoogies Pvt. Ltd.	
27	20IABBA059	MOHAMMED ZAINULLAH SHARIFF	Fin	A study on Mutual Funds awarness among self employed people with referrence to Atom Prive Financial Services Pvt. Ltd	Atom Prive Financial Services Pvt. Ltd	
28	20IABBA064	NIKHIL CHRISTOPHER	Fin	A study on the Impact of UPI on the Financial Operations at SBI	SBI	
^P 29	20IABBA066	PAVANI M	Fin	A study on cost Reduction Techniques at Busybees Logistics Solutions Pvt Ltd.	Busybees Logistics Solutions Pvt Ltd.	
30	20IABBA071	PREETHI P	Fin	A study on Investors Preference on Insurance and Tax Savings at Ideal Insurance Brokers Pvt. Ltd.	Ideal Insurance Brokers Pvt. Ltd.	
31	20IABBA072	PRIYANKA B	Fin	A study on Valuation of shares at JSW Steel Limited.	JSW Steel Limited.	

32	20IABBA075	RAJESH	Fin	A Study on Role of Insurance in Mitigating Logistics Risk at Pota Global Logistics India Pvt Ltd.	Pota Global Logistics India Pvt Ltd.	<i>Rajesh</i>
33	20IABBA076	RAM BHAVAN SAHANI	Fin	A Study on Tax Saving Techniques of an Individual at Pota Global Logistics India Pvt Ltd.	Pota Global Logistics India Pvt Ltd.	<i>Ram Bhawan Sahani</i>
34	20IABBA079	RIMSHA BI BI ZAINAB	Fin	An Analysis on the various methods used in the Valuation of Goodwill at Azam Electricals Pvt Ltd.	Azam Electricals Pvt Ltd	<i>Rimsha Bi Bi Zainab</i>
35	20IABBA080	RIVAZ S	Fin	A Study on Employee Benefits Costs at Crescento Components Company.	Crescento Components Company	<i>Rivaz S</i>
36	20IABBA085	SAMI UL HUQ K	Fin	A study on Financial Performance at Redifice Developers.	Redifice Developers.	<i>Sami Ul Huq K</i>
37	20IABBA087	SHAHIDULLA KHAN	Fin	A study on Capital Structure Analysis with reference to Redifice Developers.	Redifice Developers.	<i>Shahidulla Khan</i>
38	20IABBA092	SUHAS R	Fin	A Study on Budgetary Control with Reference to Ramya Buildtech Pvt Ltd.	Ramya Buildtech Pvt Ltd.	<i>Suhas R</i>
40	20IABBA095	SUNNY KUMAR SHARMA	Fin	A study on Inflation and its effects on the Financial Performance of Enerzea Power Solution Pvt. Ltd.	Enerzea Power Solution Pvt. Ltd.	<i>Sunny Kumar Sharma</i>
41	20IABBA096	SUPRIYAM DIGAL	Fin	A study on Credit Appraisal Process at Karnataka Gramin Bank.	Karnataka Gramin Bank	<i>Supriyam Digal</i>
42	20IABBA097	SYED ADNAN	Fin	A study on Electronic payment at FF Bioworks (India) pvt ltd.	FF Bioworks (India) pvt ltd.	<i>Syed Adnan</i>
43	20IABBA101	UMESH KUMAR S	Fin	A study on Financial Planning of Salaried Employees in Trupp Global Technologies Pvt Ltd.	Trupp Global Technologies Pvt Ltd.	<i>Umesh Kumar S</i>

44	20IABBA106	VENUGOPAL GOWDA N	Fin	A study on cost analysis on sales at Vow Auto Parts LLC	Vow Auto Parts LLC	
45	20IABBA111	YUGAL R	Fin	A study on the factors affecting investors preference on mutual fund at Atom Prive Financial Services Pvt. Ltd	Atom Prive Financial Services Pvt. Ltd	
47	17IABBA028	AYESHA SAYERA	Fin	A study on Financial Cost Analysis at JSW Steel Limited.	JSW Steel Limited.	
48	20IABBA001	ABDUL WAJID KHAN	Mkt	A study on Promotion and Pricing at Girias Investment Pvt. Ltd.	Girias Investment Pvt. Ltd.	
49	20IABBA002	ABDULLA SHAREEF	Mkt	A study on Customer Loyalty at The Burger Bey, Mysore, Karnataka.	The Burger Bey, Mysore, Karnataka.	
50	20IABBA021	BINDU BHATTRAI	Mkt	A study on Sales Promotion at Enpossibilities Pvt Ltd, HSR Layout, Bangalore.	Enpossibilities Pvt Ltd	
51	20IABBA027	FAZLUR RAHMAN KHAN	Mkt	A study on Consumer Perception about retail services at Reliance Retail Ltd.	Reliance Retail Ltd.	
52	20IABBA049	MOHAMMED FAZIL	Mkt	A study on impact of Customer Relationship Management at Girias Investment Pvt Ltd.	Girias Investment Pvt Ltd.	
53	20IABBA050	MOHAMMED LUQMAN	Mkt	A Study on Customer Satisfaction at Savoury Family Restaurant, Frazer Town.	Savoury Family Restaurant.	
55	20IABBA055	MOHAMMED THOUFIQ	Mkt	A Study on Consumer Buying Behaviour at Kundan Electronics.	Kundan Electronics	
56	20IABBA056	MOHAMMED UZAIR P	Mkt	A study on Brand Awareness at Ideal Insurance Brokers Pvt. Ltd.	Ideal Insurance Brokers Pvt. Ltd.	

57	201ABBA065	NSUELA MANA HERMELINE	Mkt	A study on Consumer Behaviour Regarding Footwear Apparel at Skechers, Hennur, Bangalore.	Skechers, Hennur, Bangalore.	
S9	201ABBA082	S DARSHAN	Mkt	A study on Promotion Strategy - Running Google Ads for Varna Enterprise, RT Nagar, Bangalore.	Varna Enterprise	
60	201ABBA084	SAIF AHMED S	Mkt	A study on Brand positioning at Vinayak Motors	Vinayak Motors	
64	201ABBA006	ALLA VAMSI KRISHNA REDDY	HR	A study on Employee Motivation with reference to the employees of Megha Engineering and Infrastructures Limited (MEIL), Balanagar, Hyderabad	Megha Engineering and Infrastructures Limited (MEIL)	
65	201ABBA008	AMAR PREET SINGH R	HR	A study on Organisation Culture with reference to the employees of Inbuilt Concept, Bangalore.	Inbuilt Concept, Bangalore.	
66	201ABBA009	ANEESH B	HR	A Study on Employee and Employer Relationship at Trupp Global technologies Pvt Ltd.	Trupp Global technologies Pvt Ltd.	
67	201ABBA018	BHARATH M	HR	A study on Recruitment & Selection with reference to the employee of Vijay Engineers, Rajajinagar, Bangalore.	Vijay Engineers, Rajajinagar, Bangalore.	
68	201ABBA031	GODINA MADHU GANGADHAR	HR	A study on Employee Worklife Balance with reference to employee of Skechers, Hennur, Bangalore.	Skechers, Hennur, Bangalore.	
71	201ABBA041	KULDEEP KUMAWAT	HR	A study on Stress Management with reference to the employees at Divya Jyothi Plast, Bangalore.	Divya Jyothi Plast, Bangalore.	
73	201ABBA061	NAMIHA HAJIRA N	HR	A study on Health and Safety Measures of an employee in Government Ayurvedic Dispensary.	AYUSH	
75	201ABBA063	NAZIYA	HR	A study on Virtual working and it's impact on employees performance at FF Bioworks (India) Pvt Ltd. Bangalore	FF Bioworks (India) Pvt Ltd.	

76	20IABBA067	POOJA S	HR	A study on Stress Management with reference to the employees of Skechers, Hennur, Bangalore.	Skechers, Hennur, Bangalore.	
77	20IABBA069	PRASANNA KUMAR G	HR	A study on performance appraisal with reference to the employee of Milles Education Pvt. Ltd., Koramangala, Bangalore.	Milles Education Pvt. Ltd	
78	20IABBA070	PRAVEEN KUMAR V	HR	A study on Employee Perception towards Compensation at Surya Financial Technologies Pvt. Ltd	Surya Financial Technologies Pvt. Ltd	
79	20IABBA074	RADHI M	HR	A study on Employee Retention with reference to the employees of Kansai Nerolac Paints Limited, Kanakapura Road, Bangalore.	Kansai Nerolac Paints Limited	
80	20IABBA083	SADHANA SINGH R	HR	A Study on Relationship between Employer and Employee at Zaurac Technologies Pte Ltd.	Zaurac Technologies Pte Ltd.	
81	20IABBA086	SHAEEOHA JANNATH	HR	A study on Employee Engagement with reference to the employees of Azam Electricals Pvt Ltd.	Azam Electricals Pvt Ltd.	
82	20IABBA089	SOPHIA R	HR	A study on Employee Welfare with reference to the employee of Dynamatic Manufacturing Limited, Peenya IV Phase, Bangalore.	Dynamatic Manufacturing Limited,	
84	20IABBA098	SYED HASHIM K	HR	A study on Job satisfaction with reference to the employees of Hothur Ispat Pvt Ltd. Indiranagar Bangalore	Hothur Ispat Pvt Ltd.	
86	20IABBA100	TAUFEEQ AHMED	HR	A study on Employee Satisfaction with reference to the employees at Amala Engineering Pvt Ltd. Bangalore.	Amala Engineering Pvt Ltd. Bangalore	
87	20IABBA102	V JYOTHILINGAM	HR	A study on Recruitment and Selction at Toyoto	Toyoto	
88	20IABBA104	VAISHNAVI D	HR	A study on Training and Development at Tartan Aerial Sense Tech Pvt. Ltd.	Tartan Aerial Sense Tech Pvt. Ltd.	

89	201ABBA105	VENU C	HR	A Study on Flexible Working Conditions and its impact on the performance of employees at Busybees Logistics Solutions Pvt. Ltd.	Busybees Logistics Solutions Pvt. Ltd.	<i>Venu C</i>
90	201ABBA107	VIGNESH G Y	HR	A study on Compensation Management at Smile Electronics Ltd. Bangalore.	Smile Electronics Ltd. Bangalore.	<i>Vignesh G Y</i>
91	201ABBA109	VISHNU M	HR	A Study on Recruitment and Selection at Busybees Logistics Solutions Pvt. Ltd.	Busybees Logistics Solutions Pvt. Ltd.	<i>Vishnu M</i>

92. 191ABBA
019 Ashutosh
Kumar
Met
A Study on Customer Satisfaction in Brigade Hypermart.

Brigade
Hypermart

Ashutosh

A project report on
"A STUDY ON SALES PROMOTION AT ENPOSSIBILITIES, HSR
LAYOUT, BANGALORE"



Submitted in partial fulfillment of the requirements for the Award of the degree
of

BACHELOR OF BUSINESS ADMINISTRATION

By

MS. BINDU BHATTRAI

20IABBA021

2022-2023

Under the guidance of

Mr. KESAVAN R.

Assistant Professor

INDIAN ACADEMY
Degree College - Autonomous

Affiliated to Bengaluru North University

Hennur main road, Bengaluru- 560043

Date: 05-07-2023

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Bindu Bhattra (20iabba021) has completed her project on Sales Promotion at enPossibilities HSR Bangalore under the guidance of the Manager.

We wish her all the best for future Endeavours.

For enPossibilities Private Limited



Authorized Signatory

INDIAN ACADEMY DEGREE COLLEGE

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CERTIFICATE

This is to certify that **BINDU BHATTRAI**, Reg. No **20IABBA021**, of VI Semester BBA, a student of Indian Academy Degree College- Autonomous, Bengaluru, has successfully carried out this project report Titled "**A study on Sales Promotion at Enpossibilities Pvt Ltd, HSR Layout, Bangalore.**" during the academic year 2022-2023, in partial fulfilment of the requirement for the award of Bachelor of Business Administration Degree at Indian Academy Degree College, Autonomous.



PRINCIPAL

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HENNUR MAIN ROAD

BENGALURU - 43

GUIDE CERTIFICATE

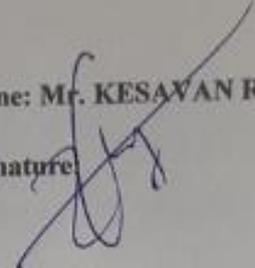
This to certify that the project report entitled "A STUDY ON SALES PROMOTION AT ENPOSSIBILITIES, HSR LAYOUT, BANGALORE" is submitted in partial fulfilment for the award of Bachelor of Business Administration at Indian Academy Degree College – Autonomous, Affiliated to Bangalore North University. This is a record of Bonafide research work carried out by MS. BINDU BHATTRAI under my guidance and no part of this has been submitted for the award of any other Degree/ Diploma/ Fellowship of other institution.

Place: Bangalore

Date:

Guide Name: Mr. KESAVAN R.

Guide Signature



DECLARATION BY THE STUDENT

I hereby declare that the Project Report titled "A STUDY ON SALES PROMOTION AT ENPOSSIBILITIES, HSR LAYOUT, BANGALORE" is the result of the project work carried out by me under the guidance of Mr. Kesavan R., Faculty of Department of Business Administration in partial fulfillment for the award of Bachelor's Degree in Business Administration by Indian Academy Degree College – Autonomous, Affiliated to Bengaluru North University.

I also declare that this project is the outcome of my own efforts and that it has not been submitted to any other university or Institute for the award of any other degree or Diploma or Certificate.

Place: Bangalore

Date:

Bindu Bhattra
Name: BINDU BHATTRAI

Reg No: 20IABBA021

ACKNOWLEDGEMENT

I would like to express my sincere gratitude to all those who have been instrumental in presentation of this project report.

No work can be accomplished alone. It needs of various people to give a final stage.

I would like to express my sincere thanks to **Dr. N Thilaka**, Principal, Indian Academy Degree College- Autonomous, and **Ms. Shalini S**, Vice-Principal IADCA for her kind support and encouragement.

My special thanks go to **Dr. Bharathi T**, HOD Department of Business Administration for granting permission and also for her support and guidance.

I am indebted to my Project Guide, **Mr. Kesavan R**, Assistant Professor, Department of Business Administration, who has helped in the successful completion of the project.

My Special thanks to **Mr. Gajender Singh, Senior Manager and EnPossibilities** for granting permission and also for his/her support and guidance. A Special thanks for providing opportunity to undertake this project and for their kind co-operation during my data collection process.

I am thankful to other distinguished faculties, my parents and friends for their support that has largely contributed to the successful completion of the project.

Place: Bangalore

Date:

Bindu Bhattarai
Name: BINDU BHATTRAI

Reg No:20IABBA021

INDIAN ACADEMY

Degree College - Autonomous

A Project Report On

“IA(E-Learning Management System)”

Submitted In Partial Fulfilment of

VI Semester BCA

As Prescribed by

INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS

Developed By

Abdul Waheed Usama 20IABCA002

Under The Guidance of

Mrs. Sona K V

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project report titled "IA (E-Learning Management System)" is a bonafied record of work done by **Abdul Waheed Usama (201ABCA002)** of Indian Academy Degree College-Autonomous, Bangalore.

In partial fulfilment of the requirement of VI semester BCA during the year 2022-2023

INTERNAL GUIDE

1. Mrs. Sona K V

for
16/8/23
HEAD OF DEPARTMENT

EXTERNAL GUIDE

1.

2.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *Jy* 18/8/23

2. *[Signature]*

Date: *[Signature]*

Abstract

IA (E-Learning Management System) is a project which aims in developing an online application to provide Online Education, maintain Study Materials, keep Student records and collect Payments. This project has login features, Educator as Admin and Student as an user can login into their own portal separately. The Admin can login, through which the admin can monitor the whole system. This System can be used to search for course, add new courses, edit course, check payment status etc. The Admin after logging into his account can generate reports such as sell Report. The User can login into his account to follow course he purchased and can share his/her feedback.

Overall this project of ours is being developed to help the Educator (Admin) as well as Students (User) to provide Teaching-Learning platform in the best way possible.

INDIAN ACADEMY
Degree College - Autonomous

A Project Report on
"MUSICAL-WORLD"

Submitted in partial fulfillment of

VI SEMESTER BCA

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

ABHILASH A (201ABCA003)

Under the guidance of

Mrs.SONA K V

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "MUSICAL-WORLD" is a Bonafide work done by **ABHILASH A (201ABCA003)** submitted in partial fulfillment of **VI SEMESTER BCA** as prescribed by **Indian Academy Degree college- Autonomous** during the academic year 2022-2023.

Sona
18/8/23
INTERNAL GUIDE

Mrs. SONA K V

Anuradha
18/8/23
HEAD OF THE DEPARTMENT

Mrs. ANURADHA

EXAMINERS

1.

2.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED
Examiners
1. *Sona* 18/8/23
2. *Anuradha*
Date: _____

ABSTRACT

This project is entitled Musical-World (Music Class Enrollment System). This is a web-based application project developed in PHP and MySQL Database. The main goal of this system is to provide an online enrollment platform for Music Class possible students. The application is also sort of a school website that contains some data about them. It has a pleasant dark mode user interface with the help of Bootstrap Framework and AdminLTE Template. It also consists of user-friendly features and functionalities.

INDIAN ACADEMY
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A Project Report on
“MEN SALON MANAGEMENT SYSTEM”

Submitted in partial fulfilment of
VI SEMESTER BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Developed by
ABHISHEK SAHANI DV **20IABCA004**

Under the guidance of
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Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report titled “MEN SALON MANAGEMENT SYSTEM” is a bona fide record of work done by ABHISHEK SAHANI DV of Indian Academy Degree College-Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2022-2023.

Sona K V
27/1/23

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Anuradha

HEAD OF DEPARTMENT
Mrs. ANURADHA P

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2.

INDIAN ACADEMY DEGREE COLLEGE
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1. *[Signature]* 18/8/23
2. *[Signature]*
Date:

ABSTRACT

This project can efficiently handle and manage various activities of a Salon and all these activities will be happening under the supervision of the administrator. Admin is the superuser who can manage everything. The administrator account controls everything.

"Men's Salon Management System" is a web-based application with appointment scheduling functionality. It provides the interface between salon and clients. In this web application clients take an appointment online and salon administrator approve and cancel that appointment.

In this Men's Salon Management System project, There is a need for efficient management of the network-based system for handling customers' orders.

This project is an endeavor to provide a solution to this. The proposed system enables an administrator to keep track of customer orders and maintain records of the customers. He can view the submitted requirements made by the customer. He can also view the reports generated by him and can also send approvals or rejections instantly.

Thus the project is a sincere effort in simplifying the task of administrators in an easily usable format.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on

“PRE-SCHOOL ENROLLMENT SYSTEM”

Submitted in partial fulfillment of

VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

Developed by

STUDENT NAME

AISHWARYA N

REGNO

20IABCA008

Under the guidance of

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Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report titled “**PRE-SCHOOL ENROLLMENT SYSTEM**” is a bonafide record of work done by **AISHWARYA N (20IABCA008)** of Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2022-2023.


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HEAD OF DEPARTMENT
MRS.ANURADHA. P

EXTERNAL EXAMINAR

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

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1.  18/8/23

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Date:

ABSTRACT

“Pre-School Enrolment System” is a web-based application which is developed in PHP and MySQL server. It helps parents to enroll their child in pre-school without standing in a queue. “Pre-School Enrolment System” contain data of user who want to enroll their child. The main purpose of “Pre-School Enrolment System” is to systematically record, store and update recorded data.

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A PROJECT REPORT ON

"Apartment Visitor Management System"

Submitted in partial fulfilment of

VI SEM BCA

As prescribed by

Indian Academy Degree College Autonomous

Developed by

AKSHAY SREEDHAR 20IABCA009

Under the guidance of

Mrs. SONA K V

Hennur Cross, Hennur Main Road, Kalyan Nagar, Bangalore-560043.

080-22022900/25442370/08025445605. www.iadcollege.com

CERTIFICATE

This is to certify that the Project report titled **APARTMENT VISITOR MANAGEMENT SYSTEM** is a bona fide record of work done by **AKSHAY SREEDHAR (20IABCA009)**, of Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2023.

[Handwritten Signature]
18/8/23

Head of the Department

Mrs. Anuradha P

[Handwritten Signature]
18/8/23

Project Guide

Mrs. Sona KV

Valued-by:

1. Internal Examiner 1:
2. External Examiner 2:
3. Date of Exam:

INDIAN ACADEMY DEGREE COLLEGE Department of Computer Science VALUED Examiners <i>[Handwritten Signature]</i> <i>18/8/23</i> <i>[Handwritten Signature]</i> Date:

ABSTRACT

The Apartment Visitor Management System deals with the security provided at society premises from unauthorized or unwanted visitors and provides an entry pass to the regular visitor.

Nowadays, in most society visitor management consists of visitors scribbling their name in a paper book.

Instead, Apartment Visitor Management System will assist you in the professionalized way in which you welcome your visitors. This software is a complete Visitor Management service to improve efficiency, productivity, and security.

INDIAN ACADEMY

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A Project Report on

“MAID HIRING MANAGEMENT SYSTEM”

Submitted in partial fulfillment of

VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

Developed by

STUDENT NAME

AMOOS AKASH P

REGNO

20IABCA011

Under the guidance of
Mrs. SONA K V

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “Maid Hiring Management System” is a bona fide work done by **AMOOS AKASH P** (20IABCA011) submitted in partial fulfillment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.


INTERNAL GUIDE

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Mrs.Anuradha P

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED

Examiners
1.  18/8/23 - 2

2. 

Date:

Abstract

The aim of 'Maid Hiring Management System' is to automate its existing manual system by the help of computerized equipment and full-fledge computer software, fulfilling their requirements so that their valuable data can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to handle good performance and provide better services to clients. This project can lead to error free, secure, reliable and fast management system. This system will help the organization in better utilization of resources.

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT REPORT ON

“ONLINE GAS BOOKING ”

Submitted in partial fulfillment of

VI SEM BCA

As prescribed by

Indian Academy Degree College Autonomous

Developed by

ANIL KUMAR BADAGHIYA

20IABCA012

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INDIAN ACADEMY

Degree College - Autonomous

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This is to certify that the Project report titled **ONLINE GAS BOOKING** is a bonafide record of work done by **ANIL KUMAR BADAGHIYA (20IABCA012)**, of Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2023.

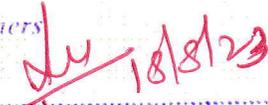

Head of the Department
Mrs. Anuradha


Project Guide
Mrs. Sona K V

Valued-by:

1. Internal Examiner
2. External Examiner

Date of Exam:

INDIAN ACADEMY DEGREE COLLEGE Department of Computer Science VALUED Examiners   Date: 

ABSTRACT

The online gas booking system is a web-based application that allows consumers to book LPG cylinders online. The system is designed to be easy to use and convenient for consumers, and it can help to save time and hassle.

The online gas booking system offers a number of benefits for consumers, including convenience, time savings, and a hassle-free experience. The system is also available 24/7 and uses SSL encryption to protect consumer data.

In addition to the benefits for consumers, the online gas booking system also offers a number of benefits for gas agencies, including increased efficiency, improved customer service, and increased sales.

Overall, the online gas booking system is a valuable tool for both consumers and gas agencies. It can help to save time, improve customer service, and increase sales.

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A PROJECT REPORT ON

**“PHARMACY MANAGEMENT
SYSTEM”**

Submitted in partial fulfillment of

VI SEM BCA

As prescribed by

Indian Academy Degree College Autonomous

Developed by

ANKUSH KUMAR GOYAL

20IABCA013

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This is to certify that the Project report titled **PHARMACY MANAGEMENT SYSTEM** is a bonafide record of work done by **ANKUSH KUMAR GOYAL (20IABCA013)**, of Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2023.

Anuradha

Head of the Department
Mrs. Anuradha P

Sona K V
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Mrs. Sona K V

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2. External Examiner 2 :
3. Date of Exam:

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1.....	<i>AKG</i> 18/8/23
2.....	<i>AKG</i>
Date:	

ABSTRACT

The Pharmacy Management in PHP is a web-based system developed using PHP, JavaScript, Bootstrap, and CSS, aimed at facilitating efficient management of a pharmacy. The system offers a user-friendly interface and straightforward navigation, making it easy for users to operate and understand.

The project primarily focuses on the admin side, where all the essential management tasks related to customers, medicines, purchases, sales, and suppliers are performed. The admin side allows users to add, edit, and delete records, providing complete control over the system's functionalities.

The Pharmacy Management offers an effective solution for pharmacy owners to streamline their operations and efficiently manage key aspects of their business. With its user-friendly interface and essential features, the system empowers pharmacy administrators to maintain accurate records and make informed decisions to enhance business performance.

INDIAN ACADEMY
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A Project Report on
“**BUS PASS MANAGEMENT SYSTEM**”
Submitted in partial fulfilment of
V SEMESTER BCA

As prescribed by
**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

BHARATH . P

20IABCA014

Under the guidance of
Mrs. SONA KV

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**BUS PASS MANAGEMENT SYSTEM**” is a bona fide work done by **BHARATH P(20IABCA014)** submitted in partial fulfilment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.

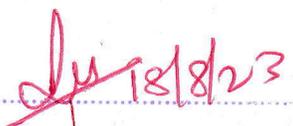

INTERNAL GUIDE
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Mrs. ANURADHA P

EXTERNAL EXAMINERS

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2.

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Abstract

'Bus Pass Management System' is a web application that will manage the records of pass which is issue by bus administrative. 'Bus Pass Management System is an automatic system which delivers data processing in very high speed in systematic manner.

This system helps bus administrative to keep records of bus passes. Before this application the manual process is used to do the process of issuing the bus pass to the traveller. This manual process requires man power and more time consuming.

This Manual process requires man power and more time consuming. The system is intended to develop an application to perform functions like accessing basic information for authentication and provide passes without the need to wait in any queue. Online bus pass generation system is for students to get pass through online.

Before this application implementation the manual process is used to do the process of issuing the bus pass to the students. To avoid such difficulties, we implemented this system.

INDIAN ACADEMY

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A Project Report on

“AUTOMOBILE INVENTORY MANAGEMENT”

Submitted in partial fulfillment of

VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

STUDENT NAME

BHUVANESHWARI.G

REGNO

20IABCA015

Under the guidance of

Mrs. SONA K V

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report titled “AUTOMOBILE INVENTORY MANAGEMENT” is a bona fide record of work done by BHUVANESHWARI.G (20IABCA015) of Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2022-2023.


INTERNAL GUIDE
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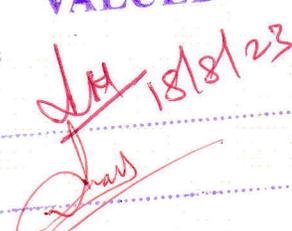
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INDIAN ACADEMY

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A Project Report on

“Art Gallery Management System”

Submitted in partial fulfilment of

VI SEMESTER BCA

As prescribed by

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STUDENT NAME

CHANDANA.M

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Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**Art Gallery Management System**” is a bona fide work done by **CHANDANA.M (20IABCA016)** submitted in partial fulfilment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.


INTERNAL GUIDE

Mrs.Sona K V

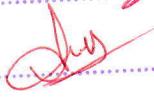

HEAD OF DEPARTMENT

Mrs.Anuradha P

EXTERNAL

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- 2.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
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Examiners
1.  18/8/23
2. 
Date:

Abstract

The aim of 'Art Gallery Management System' is to automate its existing manual system by the help of computerized equipment and full-fledge computer software, fulfilling their requirements so that their valuable data can be stored for a longer period with easy accessing and manipulation of the same. Basically the project describes how to handle good performance and provide better services to clients. This project can lead to error free, secure, reliable and fast management system. This system will help the organization in better utilization of resources.

The art gallery is where the arts or art crafts of the artists can be displayed for the visitors' view. People additionally comment on arts that artist's show so that there will be some scope of improvement of the arts that is displayed. However, these days because of the busy schedule of the people, they don't have time schedule-wise to visit the art gallery to view the paintings of the famous artist. Yet, imagine a scenario where the artist display is available on the online. Indeed, it is conceivable. The online art gallery is the application that enables the clients to transfer their paintings and make it available to the visitors' view.

ONLINE ART GALLERY is application software and it is very helpful for the art lovers and others who want to know the addresses where this kind of arts will be sold. This application helps the end-users to search their arts and paintings and they can place order for the selected pieces. The end-user can also get the information about the art.

The Art Gallery Management System has been designed to override the problem of the existing manual system. This web application is supported to eliminate and, in some cases, reduce the hardship faced by manual systems. The application is reduced as much as possible to avoid errors while entering the data. It also provides a message while entering invalid data. No formal knowledge is required for the user to operate this system. Overall, we said that Art Gallery Management System project in PHP is user-friendly.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on
“ZOO MANAGEMENT SYSTEM”
Submitted in partial fulfillment of
VI SEMESTER BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Developed by

STUDENT NAME

CHETAN KUMAR GUPTA

REGNO

20IABCA017

Under the guidance of
Mrs. SONA K V

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report titled "ZOO MANAGEMENT SYSETM"
is a bonafide record of work done by **CHETAN KUMAR GUPTA**
(CHABCA017) of Indian Academy Degree College- Autonomous, Bangalore, in
partial fulfillment of the requirements of VI Semester BCA during the year 2022-2023.


INTERNAL GUIDE

SONA K V


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EXTERNAL GUIDE

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INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

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Examiners

1.  18/8/23

2. 

ABSTRACT

This project "ZOO Management System" is all about to have an entire detail of the ZOOLOGICAL PARK and to elaborate more on providing the visitors entry tickets, keeping the animals details and maintaining their birth, death & update. Zoological Park faced the problems of issuing a ticket and maintaining the animal's data by manually. It takes more time and difficult to maintain. The data are stored in record book. This leads to the difficulty of calculating the data. ZMS will find a new way to overcome the above problem that will help to provide the tickets effectively without any corrupted data or information and to provide a security data base to store all animal's details. By this way, the history record can be maintained without much manual effort and storage of paper. So, this reduces the usage of papers which in turns helps to keep Green Environment.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on
“ONLINE PIZZA DELIVERY”
Submitted in partial fulfillment of
VI SEMESTER BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Developed by

STUDENT NAME

DARSHAN V

REGNO

20IABCA018

Under the guidance of
Mrs. SONA KV

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "ONLINE PIZZA DELIVERY" is a bona fide work done by DARSHAN V (20IABCA018) submitted in partial fulfilment of VI Semester BCA, as prescribed by INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS, during the academic year 2022-23.

Sona KV
18/8/23

INTERNAL GUIDE

Mr.SONA KV

Anuradha P
18/8/23

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EXTERNAL EXAMINER
INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

1. **VALUED**
Examiners
Sona KV 18/8/23

2. *Anuradha P*

Date: _____

2

ABSTRACT

The Online Pizza Delivery System is a web-based application that facilitates the efficient ordering and delivery of pizzas through an intuitive and user-friendly interface. The system aims to provide a convenient and seamless experience for both customers and pizza vendors, streamlining the entire process from placing an order to receiving the delivery. The Online Pizza Delivery System aims to revolutionize the pizza delivery industry by offering an enhanced digital platform that empowers customers and vendors alike. The project's implementation will involve using cutting-edge web technologies to create a robust and scalable system, providing an enjoyable and convenient experience for all users involved in the pizza delivery process.

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT REPORT ON
“RESTURANT TABLE BOOKING SYSTEM”

Submitted in partial fulfilment of
VI SEM BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

Deepa S (20IABCA019)

Under the guidance of

Mrs. Sona KV

Hennur Cross, Hennur Main Road, Kalyan Nagar, Bangalore-560043.

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This is to certify that the Project report entitled "RESTURANT TABLE BOOKING SYSTEM" is a bona fide work done by DEEPA S (20IABCA019) submitted in partial fulfilment of VI Semester BCA as prescribed by Indian Academy Degree College- Autonomous, during the academic year 2022-23.

INTERNAL GUIDE

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Mrs. ANURADHA P

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18/8/23

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INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

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1. *[Signature]* 18/8/23

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Date:

Abstract

Restaurant Table Booking System” is web based application which help restaurant administration to store the details of booking tables and manage sub-admin . The system is also intended to provide better services to users, provide meaningful, consistent, and timely data and information and finally promotes efficiency by converting paper processes to electronic form. The system was developed using basic technologies such as MySQL database and PHP. The system is free of errors and very efficient and less time consuming due to the care taken to develop it. All the phases of software development cycle are employed and it is worthwhile to state that the system is user friendly and strong. Provision is made for future development in the system.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on

“ONLINE FIRE REPORTING SYSTEM”

Submitted in partial Fulfilment of

VI SEMESTER BCA

As Prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTOMOMOUS

Developed by

EDWARD JOHNSTEEN C 20IABCA020

Under the Guidance of

Mrs. Sona K V

INDIAN ACADEMY

Degree College - Autonomous

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This is to certify that the project entitled **“ONLINE FIRE REPORTING SYSTEM”** is a bonafide work done by **EDWARD JOHNSTEEN C (20IABCA020)** submitted in Partial fulfilment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE – AUTONOMOUS**, during the academic year **2022-23**.


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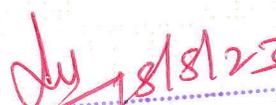
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INDIAN ACADEMY DEGREE COLLEGE
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1.  28/8/23
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Date:

1

ABSTRACT

This project is an online fire reporting system that allows users to report fire incidents and track the status of their reports. The system is developed using PHP and MySQL, and it has two modules: a user module and an admin module. The user module allows users to report fire incidents, view the status of their reports, and track the progress of fire relief work. The admin module allows administrators to view fire incidents, manage teams, and generate reports.

The system is designed to help fire departments and other organizations to improve their fire response capabilities. It can be used to track fire incidents, identify areas that are at risk of fire, and improve the efficiency of fire relief work.

Here are some of the key features of the system:

- Users can report fire incidents from anywhere.
- Users can track the status of their reports.
- Administrators can view fire incidents and manage teams.
- Administrators can generate reports.

The system is easy to use and it is scalable. It can be used by small fire departments as well as large organizations.

INDIAN ACADEMY

Degree College- Autonomous

A Project Report on
“ONLINE BIRTH CERTIFICATE SYSTEM”

Submitted in partial Fulfilment of
VI SEMESTER BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS

Developed by
EVANJALIN. J (20IABCA022)

Under the guidance of
Mrs SONA K V

INDIAN ACADEMY

Degree College- Autonomous

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This is to certify that the project entitled "**ONLINE BIRTH CERTIFICATE SYSTEM**" is a bona fide work done by EVANJALIN.J (20IABCA022) submitted in partial fulfilment of VI SEMESTER BCA during the academic year 2022-2023.


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INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
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18/8/23
Date

01.ABSTRACT

The manual method of obtaining birth certificate is a complex and impractical for increase in birth rate. The cost of obtaining a birth certificate if in case loss of certificate or some of the possible problems of the manual process of obtaining birth certificate. Before a birth certificate can be issued by NPC (National Population Commission), the birth must have been registered. Birth registration became very important as a result of difficulty encountered while obtaining accurate population statistics.

The performance of web-based birth certificate request application was evaluated in terms of speed, accessibility, cost and capacity. The result confirmed that the purpose web-based birth certificate requests applications will be able to accessed by government officials. In terms of having easily and globally accessible system, speeding up the process of issuing the birth certificate. The study therefore aims to address the challenges faced by the citizens in obtaining birth certificate from NPC by using web-based birth certificate request application.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on

“ONLINE DJ BOOKING MANAGEMENT SYSTEM”

Submitted in partial fulfilment of

VI SEMESTER BCA

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

STUDENT NAME

REGNO

GANESH KUMAR B V

20IABCA025

Under the guidance of
Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

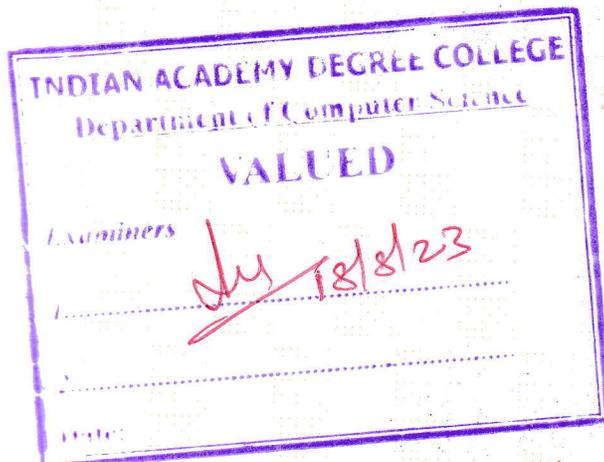
This is to certify that the project entitled “**ONLINE DJ BOOKING Management System**” is a bona fide work done by **Ganesh Kumar B V (20IABCA025)** submitted in partial fulfilment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.

18/8/23

Internal guide
Mrs. Parvathy J

Anuradha

Head of department
Mrs. Anuradha P



Department of Computer Science
Indian Academy Degree College
Hennur Cross, Hennur Main Road
Bangalore-560043.

1.ABSTRACT

The Online DJ Booking Management System (ODBMS) is a PHP and MySQL-based web application that allows users to book DJs for events. The system has two modules: an admin module and a user module.

The admin module allows administrators to manage DJ services, event types, pages, bookings, contact us queries, and reports. Administrators can add, delete, or update records in each of these categories.

The user module allows users to view a list of DJs, search for DJs based on criteria such as location, availability, and price, and book a DJ for an event. Users can also view their booking history and contact the administrators with questions or concerns.

The ODBMS is a powerful and versatile tool that can be used by DJs, event planners, and anyone else who needs to book DJs for events. The system is easy to use and provides a wide range of features, making it a valuable resource for anyone in the event planning industry.

Here are some of the key features of the ODBMS:

- Ability to add, delete, or update DJ services, event types, pages, bookings, contact us queries, and reports
- Ability to search for DJs based on criteria such as location, availability, and price
- Ability to book a DJ for an event
- Ability to view booking history
- Ability to contact the administrators with questions or concerns

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project report titled "Online Course Registration System" is a Bonafide record of work done by **Ghulam E Mohammed Khalandar(20IABCA026)** of Indian Academy Degree College- Autonomous, Bangalore.

In partial fulfilment of the requirement of VI semester BCA during the year 2022-2023

INTERNAL GUIDE

1. Mrs. Parvathy J

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16/8/23

HEAD OF DEPARTMENT

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16/8/23

EXTERNAL GUIDE

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INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED

Examiners
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Date: *[Handwritten date]* 28/8/23

1. Abstract

The project objective will be focused on developing an online course registration to ensure the effectiveness of the flow of registration. Moreover, the system will offer a complete management system that integrated with the online course registration to help the students for maintaining the flow process of the course.

The registration process can be done online without the need of paperwork anymore. It is also helps the student to get more information about the course process while they enrolled.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on

“ONLINE COSMETIC AND BEAUTY PRODUCTS SYSTEM”

Submitted in partial fulfillment of

VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

Developed by

STUDENT NAME

HARISH.P

REGNO

20IABCA027

Under the guidance of
Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**Online Cosmetic and Beauty Products System**” is a bona fide work done by **HARISH.P** (20IABCA027) submitted in partial fulfilment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.

PD
WS/23

INTERNAL GUIDE

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HEAD OF DEPARTMENT

Mrs.Anuradha P

Head
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EXAMINER

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2

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
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Date:

18/8/23

Abstract

Online Cosmetics and Beauty Products system is the name of this initiative. The data for this project are kept in a MySQL database and were written in PHP/OOP. It is a web-based program that acts as an online marketplace for the sale of cosmetics and other beauty products. Customers of the aforementioned business industry can browse, explore, and purchase their products using this application. With a user-friendly interface built using the Bootstrap Framework and the AdminLTE Template, this includes a variety of features and functionalities, including Online Payment using the PayPal API.

INDIAN ACADEMY
Degree College - Autonomous

A project Report on
“OLD AGE HOME MANAGEMENT SYSTEM”

Submitted in partial fulfilment of
VI SEMESTER BCA ‘A’

As Prescribed by
INDIAN ACADEMY DEGREE COLLEGE – AUTONOMOUS

Developed by
HARSHINI G Y **[20IABCA028]**

Under the guidance of
Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "OLD AGE HOME MANAGEMENT SYSTEM" is a bonafide work done by HARSHINI G Y[20IABCA028] Submitted in partial fulfilment of VI semester BCA 'A' section during the academic year 2023 – 2024.

PV
20/7/23

INTERNAL GUIDE
Mrs. PARVATHY J

Anuradha

HEAD OF THE DEPARTMENT
Mrs. ANURADHA P

Head
Department of Computer Science
Indian Academy Degree College
Hennur Cross, Hennur Main Road
Bangalore-560043

EXAMINERS

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INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

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01. ABSTRACT

The last century has witnessed a rapid increase in the population of the elderly people in developed and industrialized countries. This phenomenon is not restricted to the western world only, but many countries such as ours are now feeling the impact of this transaction. This situation leads the uncared of elder people which require extra care and which can be fulfilled by good environment. So, this web application provide interaction between elderly people and good home shelter(old age home).

In modern era , smart old age homes are identified as a proper medium for an independent and comfortable life of older and disable persons. In this project, the wireless home automation system allows voice control switching , location tracking , health monitoring and fall detection .The voice control switching system can do remote controlling of home appliance such as TV ,light ,fan ,etc...,The health monitoring and location tracking system are used in clinical perspectives and intensive care . A system of fall detection is added to abstain from unintentional injury and death . This paper will focus on integration of automation system and health monitoring system to develop smart old age homes.

INDIAN ACADEMY

Degree College - Autonomous

A project Report on
"PET SHOP"

Submitted in partial fulfilment of
VI SEMESTER BCA 'A'

As Prescribed by
INDIAN ACADEMY DEGREE COLLEGE – AUTONOMOUS

Developed by
HARSHITHA R **[20IABCA029]**

Under the guidance of
Mrs. PARVATHY J

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This is to certify that the project entitled "PET SHOP" is a bonafide work done by **HARSHITHA R[20IABCA029]** Submitted in partial fulfilment of VI semester BCA 'A' section during the academic year 2023 – 2024.

*PJ
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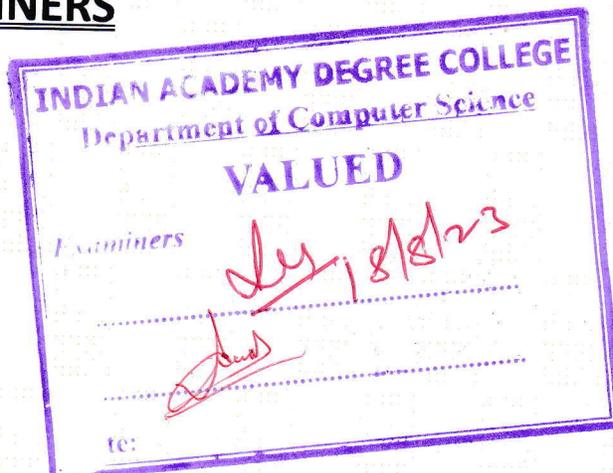
Anuradha

HEAD OF THE DEPARTMENT
Mrs. ANURADHA P

EXAMINERS

1.

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01. ABSTRACT

This app is an android application where the purchase of pets took place. Today we came to know about the instances that most of the people depends on Local markets and nearby houses in order to buy a pet for house. Through this project we are planning to digitalize this process by online marketing. Thus the users can also relay on other persons across the district in order to buy variety breeds of pets. People can also be able to come to know about the different price ranges for the same breed offered . Thus our app provides a platform where the users could buy pets by providing the contact details of the buyers. Our app also includes a special feature for buying street dogs through the app whereas its maintenance and feeding are carried out by different non-government organizations through a website. Through this, we aim to contribute something for reducing the count of street dogs in public places. We are building the android application in a way that we creates a login for all users. After logging in, the user is directed to the homepage where he/she could see the pets available for buying. Besides these, one could see options for selling pets and managing his/her account. The details of the pet, some of it's pictures, it's name (through one) etc are all to be provided if one could sell a pet whereas the buyer can view pets classified in different categories and can contact the seller if his desired pet is met. Moreover we are also providing a feature that allows the users to know about all the pet shops in the district so that they could buy pets or its food items there also. Besides normal users who can access the application, various users could also login to our app to upload the details of there pets so that they can be available for the users to buy. Thus our app provides a perfect choice for the ones who loves pets and seeks variant breeds of them.

INDIAN ACADEMY

Degree College - Autonomous

A project Report on
“STUDENT MANAGEMENT SYSTEM”

Submitted in partial fulfilment of
VI SEMESTER BCA ‘A’

As Prescribed by
INDIAN ACADEMY DEGREE COLLEGE – AUTONOMOUS

Developed by
INDRAJIT SARKAR [20IABCA030]

Under the guidance of
Mrs. PARVATHY J

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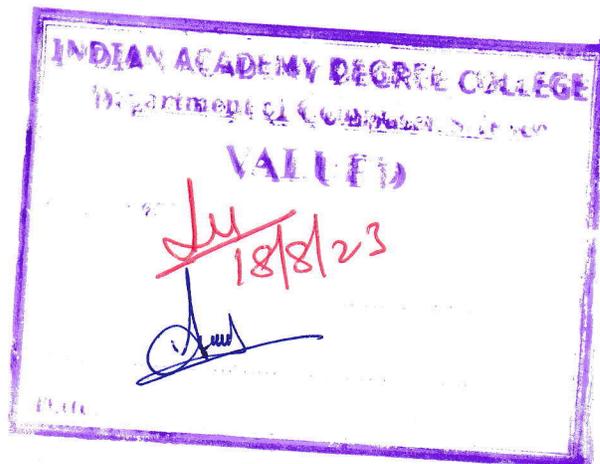
This is to certify that the Project report titled "STUDENT MANAGEMENT SYSTEM" is a bonafide record of work done by **INDRAJIT SARKAR** (ID: ABCA030) of Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2022-2023.

INTERNAL GUIDE
RESPARVATHI J

INTERNAL EXAMINER

*for p
18/8/23*

HEAD OF DEPARTMENT
MRS.ANURADHA. P



01. ABSTRACT

Our main focus is designing a unique Student Management system that will improve Data management in Institutes experience for both Students and the Administration authorities. The whole system will run on internet. The system is written in PHP, java script, jQuery, HTML and CSS. Users will have the facility to log in from any place with internet connection. After that they will be able to various tasks that are designed for them. It can be turned into a paid system only for doctors. Where the doctors can get additional cloud storage on payment. Student Management System is software which is helpful for students as well as the school authorities. In the current system all the activities are done manually. It is very time consuming and costly. Our Student Management System deals with the various activities related to the students

The Student Management System is a comprehensive software application designed to streamline and automate various administrative tasks related to managing students' information in educational institutions. This system aims to enhance efficiency, reduce manual work, and provide a centralized platform for managing student-related data.

Overall, the Student Management System offers a comprehensive solution for educational institutions to streamline and automate various administrative tasks related to student management. It promotes efficiency, accuracy, and transparency, enabling educators to focus more on delivering quality education while providing students and parents with a user-friendly platform to access essential information and communicate effectively.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on

“COVID19 TESTING MANAGEMENT SYSTEM”

Submitted in partial fulfillment of

VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

Developed by

STUDENT NAME

JAYASURYA CJ

REGNO

20IABCA031

Under the guidance of
Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “COVID19 Testing Management System” is a bona fide work done by JAYASURYA C J (CHABCA031) submitted in partial fulfilment of VI Semester BCA, as prescribed by INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS, during the academic year 2022-23.

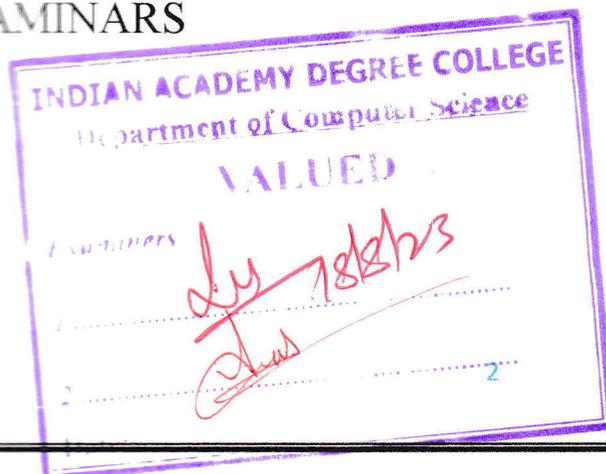

INTERNAL GUIDE

Mrs. Parvathy J


HEAD OF DEPARTMENT

Mrs. Anuradha P

EXAMINARS



INDIAN ACADEMY
Degree College - Autonomous

A Project Report on
“RAIL PASS MANAGEMENT SYSTEM”
Submitted in partial fulfillment of
VI SEMESTER BCA

As prescribed by
**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

JESLIN S

20IABCA032

Under the guidance of
Mrs. PARVATHY J

INDIAN ACADEMY

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CERTIFICATE

This is to certify that the project entitled
“**RAIL PASS MANAGEMENT SYSTEM**” is a bona fide
work done by **JESLIN S (20IABCA032)** submitted in partial
fulfilment of VI Semester BCA, as prescribed by **INDIAN
ACADEMY DEGREE COLLEGE – AUTONOMOUS**, during
the academic year **2022-23**.

DP
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INTERNAL GUIDE
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Anuradha
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Mrs. ANURADHA P

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INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
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1. *Jeslin S*
2. *Jeslin S*
Date: *18/8/23*

ABSTRACT

'Railway Pass Management System' is a web application that will manage the records of pass which is issue by railway administrative.

'Railway Pass Management System' is an automatic system which delivers data processing in very high speed in systematic manner.

This system helps railway administrative to keep records of railway passes. Before this application the manual process is used to do the process of issuing the railway pass to the traveler.

This manual process requires man power and more time consuming to avoid these difficulties we implement 'Railway Pass Management System'.

INDIAN ACADEMY
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A Project Report on
CUSTOMER RELATIONSHIP MANAGEMENT

Submitted in partial fulfilment
of

VI SEMESTER BCA

As prescribed by
**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed By
K.BHAVANI 20IABCA034

Under the guidance of
Mrs. PARVATHY.J

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This is to certify that the project entitled “**CUSTOMER RELATIONSHIP MANAGEMENT**” is a bona fide work done by **KBHAVANI (20IABCA034)**, submitted in partial fulfillment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.

21/7/23

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Anuradha

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ABSTRACT

This customer relationship management (CRM) project focuses on two key parameters: customer satisfaction and sales growth. By implementing an effective CRM system, the organization aims to enhance customer relationships, improve satisfaction levels, and drive increased sales revenue.

The project aims to analyze customer data, including preferences, behavior, and purchase history, to gain valuable insights into customer needs and expectations. Leveraging this information, the CRM system will enable personalized interactions and tailored communication strategies, resulting in increased customer satisfaction. By providing timely and relevant offers, recommendations, and support, the organization aims to foster long-term customer loyalty and retention.

Furthermore, the CRM system will facilitate seamless collaboration among different departments, providing a holistic view of customer interactions and ensuring a consistent and unified customer experience. By centralizing customer data and streamlining internal processes, the organization aims to improve response times, resolve issues efficiently, and enhance overall customer satisfaction.

INDIAN ACADEMY
Degree College - Autonomous

A Project Report on
**“ONLINE BLOOD BANK MANAGEMENT
SYSTEM”**

Submitted in partial fulfilment of
VI SEMESTER BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Developed by

K VARSHINI KRITHIKA 20IABCA035

Under the guidance of
Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report titled "ONLINE BLOOD BANK MANAGEMENT SYSTEM" is a bona fide record of work done by K. VARSHINI KRITHIKA Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2022-2023.

22/01/23

INTERNAL GUIDE
Mrs. PARVATHY

Anuradha
HEAD OF DEPARTMENT
Mrs. ANURADHA P

External Guide

INDIAN ACADEMY DEGREE COLLEGE	
Department of Computer Science	
VALUED	
Examiners	
1.	<i>[Signature]</i> 18/01/23
2. <i>SKHulkaw</i>
Date:	

ABSTRACT

The numbers of persons who are in need of blood are increasing in large number day by day. In order to help people who are in need of blood, my Online Blood Bank can be used effectively for getting the details of blood donors having the same blood group and within the same city. With the help of my Online Blood Bank people who are having the thought of donating blood gets registered in my Online Blood Bank giving his total details.

An online blood bank management system is a software application that allows for the efficient management and organization of a blood bank's operations. It can be used to track and manage donations, maintain a database of blood donors and recipients, and facilitate communication between blood banks and hospitals. The system can also help to ensure that blood supplies are properly stored and distributed and that the blood supply is safe and free from contamination. It can also provide real-time inventory tracking and reporting, and automated email and SMS reminders for blood donation

The main aim of the "Online Blood Bank Management System" project is to create a digital platform that streamlines and automates various tasks and processes related to blood donation and management, ultimately making the blood donation process more efficient and effective. The system aims to:

Improve blood donation management by automating tasks such as registration, scheduling, and tracking of donations

Provide real-time inventory tracking and reporting of blood supplies.

Facilitate communication between blood banks and hospitals for blood supply management.

Improve the safety of the blood supply by implementing measures such as testing and screening of donors

Increase accessibility to blood donation by providing an online platform for donors to schedule appointments and view donation history

Increase transparency and accountability in the blood donation process.

Overall, the project aims to ensure that the blood supply is safe, adequate, and readily available to those in need.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on
“MONEY MANAGER”

Submitted in partial fulfillment of
VI SEMESTER BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Developed by

STUDENT NAME

K VIKAS

REGNO

20IABCA036

Under the guidance of
Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report titled “**MONEY MANAGER**” is a bonafide record of work done by **K VIKAS** (21MABCA036) of Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2022-2023.


INTERNAL GUIDE
MRS. PARVATHY J


HEAD OF DEPARTMENT
MRS. ANURADHA. P

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

EXTERNAL VALUED

Examiners

1.  18/8/23

2. 

Date:

ABSTRACT

Money management refers to the process of tracking and planning an individual or group's use of capital. In personal and corporate finance, money management usually includes budgeting, spending, saving, and investing.

Expense tracking is the process of recording and organizing expenses to monitor and manage personal or business finances. It involves keeping track of all expenses, including bills, purchases, and other expenditures, to ensure that spending is within budget and to identify areas where cost savings can be made.

Expense tracking can be done manually, using spreadsheets or paper records, or through the use of specialized software or mobile apps.

By regularly tracking expenses, individuals and businesses can gain a better understanding of their spending habits and make informed decisions.

INDIAN ACADEMY
Degree College - Autonomous

A Project Report on
"BEAUTY PARLOUR MANAGEMENT SYSTEM"

Submitted in partial fulfillment of
VI SEMESTER BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS

Developed by
KHURRAIN KOUSER **20IABCA037**

Under the guidance of
Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled
“BEAUTY PARLOUR MANAGEMENT SYSTEM” is a bona fide work
done by **KHURRAIN KOUSER(20IABCA037)** submitted in partial
fulfilment of VI Semester BCA, as Prescribed By
INDIAN ACADEMY DEGREE COLLEGE –AUTONOMOUS,
during the academic year **2022-23.**

DO
21/7/23

INTERNAL GUIDE
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Anuradha

HEAD OF DEPARTMENT
Mrs. ANURADHA P
Head

Department of Computer Science
Indian Academy Degree College
Hennur Cross, Hennur Main Road
Bangalore-560043

EXAMINER

1.

2.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *Parvathy J*
2. *Anuradha P*

Date:

ABSTRACT

This project can efficiently handle and manage various activities of a Beauty parlour and all these activities will be happening under the supervision of the administrator. Admin is the superuser who can manage everything. The administrator account controls everything.

"Beauty parlor Management System" is a web-based application with appointment scheduling functionality. It provides the interface between salon and clients. In this web application clients take an appointment online and salon administrator approve and cancel that appointment.

In this Beauty Parlor Management System project, There is a need for efficient management of the network-based system for handling customers' orders.

Thus the project is a sincere effort in simplifying the task of administrators in an easily usable format.

INDIAN ACADEMY

Degree College - Autonomous

A project report on

“VEHICLE PARKING MANAGEMENT SYSTEM”

Submitted in partial fulfilment of

VI SEMESTER BCA ‘A’

As Prescribed by

INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS

Developed by

KHUTAJA TUL KUBRA

(20IABCA038)

Under the guidance of

Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project report titled "vehicle parking management" is a bonafiderecord to work done by KHUTAJA TUL KUBRA(20IABCA038) of Indian academy degree college-Autonomous, Bangalore.in partial fulfilment of the requirement of VI semester BCA during the year 2022-2023



INTERNAL GUIDE

Mrs Parvathy J

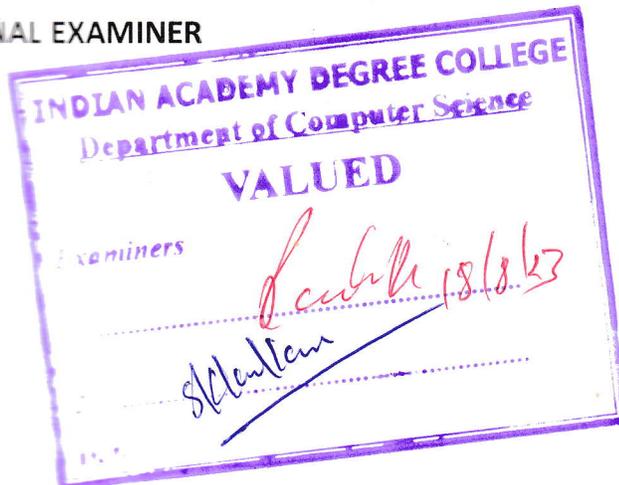


HEAD OF THE DEPARTMENT

Mrs Anuradha P

EXTERNAL EXAMINER

1
2



Abstract

Vehicle Parking Management System maintains a good record of vehicles check in and checkout time. Both two wheeler & four wheeler can be managed by this system and have different pricing system.

Vehicle parking management system that enables the time management and control of vehicles by using parking number.

The system that will track the entry and exit of vehicles, maintain a listing of vehicle within the parking lot, and determine the parking and it will also determine the cost of parking of vehicle.

INDIAN ACADEMY

Degree College - Autonomous

NAAC Re-accredited with 'A' Grade

Recognised by Govt. Of Karnataka| Affiliated to Bengaluru North University

A Project Report on

ONLINE VEHICLE SERVICE MANAGEMENT SYSTEM

Submitted in partial fulfilment of
VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

LALITH KISHOR. G.C (20IABCA039)

Under the guidance of

Mrs. PARVATHY. J

Hennur Cross, Hennur Main Road, Kayan Nagar, Bangalore

www.indianacademy.edu.in

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Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "ONLINE VEHICLE SERVICE MANAGEMENT SYSTEM" is a bona fide work done by **LALITH KISHOR. G.C (20IABCA039)**, submitted in partial fulfilment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.

PO
11/8/23

INTERNAL GUIDE

Mrs. PARVATHY. J

Anuradha

HEAD OF DEPARTMENT

Mrs. ANURADHA P

External Examiners.

INDIAN ACADEMY DEGREE COLLEGE Department of Computer Science VALUED Examiners 1..... 2..... Date:

Abstract

Objective:-

This system "**Vehicle service management system (VSMS)**" allows providing vehicle for service. If customer got any problem with his vehicle they are providing services

The real power of this project lies not in direct selling of products, but in the creation of tighter relationships with customers and delivering of a high level of service and support, which in turn improves organization sales and its goodwill. A service organization is a business entity that takes care of servicing a customer instrument in the after sales domain.

This project contains 2 modules namely :-

- **User Module,**
- **Admin Module,**

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on

“EMPLOYEE MANAGEMENT SYSTEM”

Submitted in partial fulfillment of

VI SEMESTER BCA

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

STUDENT NAME

MANSARA SHARMA

REGISTER NO

20IABCA041

Under the guidance of

Mrs. PARVATHY J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report titled "EMPLOYEE MANAGEMENT SYSTEM" is a bona fide record of work done by MANSARA SHARMA (ID: ABCA041) of Indian Academy Degree College- Autonomous, Bangalore, in fulfillment of the requirements of VI Semester BCA during the year 2022-2023.

INTERNAL GUIDE
PARVATHY J

EXTERNAL GUIDE

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MRS. ANURADHA. P

HEAD
Department of Computer Science
Indian Academy Degree College
Hennur Cross, Hennur Main Road,
Bangalore-560043.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *[Signature]* (8/8/23)

2. *SKulcar*

Date:

ABSTRACT

The Employee Management System in PHP is a web-based application designed to simplify and enhance the management of employee-related processes within an organization. The system aims to centralize employee data, improve efficiency, and ensure accurate record-keeping.

The system encompasses several modules, including employee information management, attendance tracking, leave management, and performance evaluation. It provides a user-friendly interface for administrators and employees to access and update relevant data.

The employee information management module enables administrators to create and maintain employee profiles, capturing essential details such as personal information, contact details, job history, and qualifications. It allows for easy searching and sorting of employee records, simplifying the process of accessing pertinent information.

The attendance tracking module helps monitor employee attendance, facilitating the recording and management of work hours, leaves, and absences. It includes features such as clock-in/clock-out functionalities, leave requests, and a centralized calendar view for administrators to track employee availability.

The leave management module automates the process of requesting and approving leaves. Employees can submit leave applications through the system, specifying the desired duration and reason. Managers receive notifications and can review and approve requests, maintaining an organized and transparent workflow.

The performance evaluation module assists in assessing employee performance and tracking progress. It allows managers to set performance goals, conduct periodic evaluations, and provide feedback. The system stores

Historical performance data, enabling comparisons and identifying areas for improvement.

Overall, the Employee Management System in PHP provides a comprehensive solution for organizations to effectively manage their workforce. By streamlining employee-related processes, it enhances productivity, promotes transparency, and optimizes decision-making. This system serves as an invaluable tool for organizations seeking to improve operational efficiency and maintain accurate employee records.

INDIAN ACADEMY DEGREE COLLEGE

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A PROJECT REPORT ON

**“TOUR AND TRAVEL
MANAGEMENT SYSTEM”**

Submitted in partial fulfillment of

VI SEM BCA

As prescribed by

Indian Academy Degree College Autonomous

Developed by

MD. FARHAN NAIK

20IABCA042

Under the guidance of

Mrs. Parvathy J

Hennur Cross, Hennur Main Road, Kalyan Nagar, Bangalore-560043.

080-22022900/25442370/08025445605.www.iadcollege.com

CERTIFICATE

This is to certify that the Project report titled **TOUR AND TRAVEL MANAGEMENT SYSTEM** is a bonafide record of work done by **MD. FARHAN NAIK (20LABCA042)**, of Indian Academy Degree College- Autonomous, Bangalore, in partial fulfillment of the requirements of VI Semester BCA during the year 2023.

Anuradha

Head of the Department
Mrs. Anuradha P

POD
24/7/23

Project Guide
Mrs. Parvathy J

Valued-by:

Internal Examiner 1 :

External Examiner 2:

Date of Exam:

INDIAN ACADEMY DEGREE COLLEGE	
<u>Department of Computer Science</u>	
VALUED	
<i>Examiners</i>	
1.....	<i>Naresh 8/7/23</i>
2.....	
Date:	

ABSTRACT

The Tour and travel management system in PHP is a web-based system developed using PHP, JavaScript, Bootstrap, and CSS, aimed at facilitating efficient management of a travelling. The objective of the project is to develop a system that automates the processes and activities of a travel. The purpose is to design a system using which one can perform all operation related to travelling.

Travel and tourism management system is used to book a tour from anywhere in the world by a single dynamic website which will help the user to know about all the places and tour details in a single website. Admin can add packages from certain travel agents and hotels to the website by creating a tour page. Users can then sign in and book each request, confirmed by the admin in their booking management page. Users can view the confirmation in their My Bookings page. It is the easiest platform for all the passengers to book easily and know all the details.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on
**“LOCAL SERVICES SEARCH ENGINE MANAGEMENT
SYSTEM”**

**Submitted in partial fulfillment of
VI SEMESTER BCA**

As prescribed by
**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

STUDENT NAME

MD TOUFIQUE.S

REGNO

20IABCA043

**Under the guidance of
Mrs. PARVATHY J**

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**Local Services Search Engine Management System**” is a bona fide work done by **MD TOUFIQUE.S (20IABCA043)** submitted in partial fulfilment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.

21/7/23

INTERNAL GUIDE

Mrs. Parvathy J

Anuradha
HEAD OF DEPARTMENT

Mrs. Anuradha P

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED
Examiners
[Signature] 18/8/23
Date:

Abstract

Local Services Search Engine Management System (LSSEMS) is a web based application which helps user to find serviceman in a local area such as maid, tuition teacher, plumber etc. LSSEMS contain data of serviceman (maid, tuition teacher, plumber etc.). The main purpose of LSSEMS is to systematically record, store and update the serviceman records.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report On

“computer service management system”

Submitted In Partial Fulfilment of

VI Semester BCA

As Prescribed by

INDIAN ACADEMY DEGREE COLLEGE-AUTONOMOUS

Developed By

Mohamed Hunain A 20IABCA045

Under The Guidance of

Ms Parvathy J

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project report titled "**COMPUTER SERVICE MANAGEMENT SYSTEM**" is a bonafied record of work done by **MOHAMED HUNAIN A (20IABCA045)** of Indian Academy Degree College- Autonomous, Bangalore.

In partial fulfilment of the requirement of VI semester BCA during the year 2022-2023

Ms Parvathy J
18/10/23

INTERNAL GUIDE

Ms Parvathy J

Anu radha
18/10/23

HEAD OF DEPARTMENT

Ms Anu radha

EXTERNAL GUIDE

- 1.
- 2.

INDIAN ACADEMY DEGREE COLLEGE	
Department of Computer Science	
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Examiners	
1.....	<i>K. S. R. 18/10/23</i>
2.....	
Date:	

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT ON

"ONLINE VIDEO STREAMING AND SHARING"

VI semester BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

Mohammed Afnan

20IABCA047

Under the guidance of

Dr.Aarti Mohapatro

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "ONLINE VIDEO STREAMING AND SHARING" has been satisfactorily completed by Mohammed Afnan(20IABCA047), in partial fulfilment of the award of the Bachelor of VI Semester BCA prescribed by Indian academy degree college (Autonomous) Bengaluru during the academic year 2022 – 2023.

Dr. Aarti Mohapatro
Internal Guide

Dr. Aarti Mohapatro

Prof. Anuradha P
Head of the department

Prof. Anuradha P

Valued by Examiners

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

1: _____
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2: _____
Examined

Date: _____

VALUED

18/8/23

ABSTRACT

This project "ONLINE VIDEO STREAMING AND SHARING" is used to automate all process of streaming and downloading, which deals with creation of video, uploading and streaming and details of the video. The project is designed using C# and CSS language .

The online video streaming and downloading project helps the user to upload any video so that any user in the world can watch it and it is also possible to download the video so that he can watch whenever he wants to the admin has all the rights about this platform, if any video should not be shown to the users he can easily delete it based on the number of reports done by the user.

It is an easiest platform for all the people around the world who wants to stream video from any corner of the world for fun, knowledge..



A Project Report On
**ONLINE FOOD ORDERING
SYSYTEM**

Submitted in partial fulfillment of
VI Semester BCA

As prescribed by
**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed By

MOHAMMED AFTAB PASHA

20IABCA048

Under the guidance of
DR. ARATI MAHAPATRO

INDIAN ACADEMY

Degree College - Autonomous

Certificate

This is to certify that the project entitled “**ONLINE FOOD ORDERING SYSYTEM**” is a bonafide work done by **Mohammed Aftab Pasha[20IABCA048]**, submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2021-2022

Arati Mahapatro
INTERNAL GUIDE

DR. ARATI MAHAPATRO

Anuradha P
HEAD OF DEPARTMENT

PROF. ANURADHA.P

EXAMINER1.

VALUED

Examiners

Date:

ABSTRACT

An Online Food Ordering System is proposed here which simplifies the food ordering process. The proposed system shows an user interface and update the menu with all available options so that it eases the customer work. Customer can choose more than one item to make an order and can view order details before logging off. The order confirmation is sent to the customer. The order is placed in the queue and updated in the database and returned in real time. This system assists the staff to go through the orders in real time and process it efficiently with minimal errors.

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT ON

“PHARMACY MANAGEMENT SYSTEM”

VI Semester BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

MOHAMMED FOUZAN

20IABCA049

**Under the guidance of
Dr. prof. Aarthi**

INDIAN ACADEMY

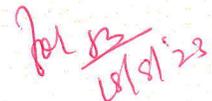
Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "PHARMACY MANAGEMENT SYSTEM" has been satisfactorily completed by Mohammed Fouzan(20iabca049), in partial fulfillment of the VI SEMESTER BCA prescribed by the INDIAN ACADEMY DEGREE COLLEGE(Autonomous) Bengaluru during the academic year 2023-24.


Internal Guide

Dr. Prof. Aarthi


Head of the department

Ms. Anuradha. P

Valued by Examiners

1:

2:

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1:

2:

Date:

ABSTRACT

Supply Management in healthcare systems is evaluated with a particular focus on the distribution of medicines from a wholesaler to clinics. Currently, there are issues with service levels that need addressing. The value of the paper arises from providing a detailed analysis of a drug supply chain in the developing world and diagnosis the parameters involved in inventory. Pharmaceutical practices have evolved over time to become fully encompassed in all aspects of pharmacy itself. Such practices include: dispensing of drugs, consultation, drug regulation, and the distribution of these drugs. Creating an Online Pharmaceutical Management System would help in streamlining pharmaceutical practices for all parties involved. It is eminent that the system provides a safe, secure and verified platform for all parties which help to bridge the communication gap and provide quality drugs. Therefore, if all recommendations are strictly adhered to, there will be strict monitoring and regulation of how drugs are circulated and a decrease in the spread of fake drugs..

INDIAN ACADEMY

get ready for life

A Project Report On

Search Engine

Submitted in partial fulfillment of VI Semester BCA

As prescribed by

INDIAN ACADEMY COLLEGE AUTONOMOUS

Developed By

Hammed Junaid

20IABCA051

Under the guidance of

Mrs. Arati Mohapatro

INDIAN ACADEMY

get ready for life

Certificate

is to certify that the project entitled "Search Engine" is a bonafide work
e by Mohammed Junaid (20IABCA051), submitted in partial fulfillment of
SEMESTER BCA as prescribed by Indian Academy Degree College
anonymous, during the academic year 2022-2023

Apr 23
INTERNAL GUIDE

Arati Mohapatra

Anuradha
HEAD OF DEPARTMENT

Mrs. Anuradha. P

INDIAN ACADEMY DEGREE COLLEGE
INTERNAL EXAMINERS
Department of Computer Science
VALUED
Examiners
[Signature] 18/8/23

ABSTRACT

The application aims at providing more efficient and faster searching platform on the web. It manipulates a large volume of data and constantly keeps on changing indexing and searching pages searched with the keyword. Finally, the PHP search engine application displays the sites with the best matched articles at the top of the search-results page.

Features:

The search application has been worked out to make it similar to ~~the~~ famous search engines such as Google and Bing to some extent. The following extra features of the search engine have made it more effective, fast and reliable.

- It has high analysis frequency of key word.
- It explains basic indexing and search mechanism of a web crawler.
- This application is restricted to educational and academic information only.
- It provides many different alternatives for customized search using Boolean operators, wildcards, etc.
- Out of the number of matched documents, the Application displays the most visited or popular links on the top.
- The web application suggests you the most searched keyword when you start typing the keyword.
- The search results for a keyword shown in this application may not be same as the search results shown for the same keyword on other search engines.

INDIAN ACADEMY

Degree College - Autonomous

PROJECT REPORT ON

Beauty-Parlour-Management-System

Submitted in partial fulfillment of

VI Semester BCA

As prescribed by

INDIAN ACADEMY COLLEGE AUTONOMOUS

Developed By

Mohammed Ruman

20IABCA052

Under the guidance of

Dr. Arati Mohapatro

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “Beauty parlour Management System” is a Bonafide work done by **Mohammed Ruman (20LABCA052)** submitted in partial fulfillment of VI Semester BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023.

Arati Mohapatro
INTERNAL GUIDE
Dr. Arati Mohapatro

Anuradha P
HEAD OF DEPARTMENT
Prof. Anuradha. P

EXTERNAL EXAMINERS

1

2

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *Ruman* (18/8/23)

2. _____

Date: _____

ABSTRACT

The aim of the project is to permits customers services their desire cosmetics. The Beauty provides an online way of reservation a cosmetic service and providing a window for the customers for their selected services. The Beauty parlour management System processes to manage the various task related to the system.

This system is used to parlour details like services detail, orders detail, customer information, etc. This system helps to make the customer easy for online services system.

The Beauty parlour provides an interactive display to the customers with all the facilities. This website will be useful to all those customers who is wishing to make an appointment best online.

INDIAN ACADEMY
Degree College - Autonomous

PROJECT REPORT ON

**“VEHICLE PARKING MANAGEMENT
SYSTEM”**

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by:

Mohammed Tahir Z

20IABCA054

Under the Guidance of

Dr. Arati Mohapatro

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATION

This is to certify that the project entitled "VEHICLE PARKING MANAGEMENT SYSTEM", is a Bonafede work done by **Mohammed Tahir Z(20IABCA054)** submitted in partial fulfillment of VI Semester BCA as prescribed by the INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS, during the academic year 2022-2023.

Internal Guide

Arati Mohapatro
Dr. Arati Mohapatro

Anuradha P
Head of the department

Prof. Anuradha P

External Examiners:

INDIAN ACADEMY DEGREE COLLEGE	
Department of Computer Science	
VALUED	
1. Examiners	<i>[Signature]</i>
2. _____	<i>(8/8/23)</i>
Date: _____	

Abstract

The increasing number of vehicles on the road has led to a growing demand for efficient and effective vehicle parking management systems. This project proposes a vehicle parking management system that is implemented using PHP and MySQL. The system will be able to track the entry and exit of vehicles, manage parking reservations, and generate reports on parking usage.

The system will have two main modules: an admin module and a user module. The admin module will be used to manage the parking system, such as adding and removing parking spaces, creating and managing parking reservations, and generating reports. The user module will be used by vehicle owners to enter and exit the parking lot, and to view their parking history.

The system will be developed using PHP and MySQL. PHP is a popular scripting language that is well-suited for web development. MySQL is a relational database management system that is commonly used to store data for web applications.

The system will be implemented using a client-server architecture. The client-server architecture allows the system to be scalable and reliable. The client side of the system will be a web application that can be accessed by users through a web browser. The server side of the system will be a PHP application that will handle the data processing and storage.

The system will be tested using a variety of test cases. The test cases will cover all of the functionality of the system, including the entry and exit of vehicles, parking reservations, and report generation.

The system is expected to be a valuable tool for managing vehicle parking. The system will help to improve the efficiency of parking management, and it will also help to reduce traffic congestion.

PROJECT REPORT ON
“CAB BOOKING SYSTEM”

Submitted in Partial

Fulfillment of VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by:

Mubarak Ali A

20IABCA056

Under the Guidance of

Dr. Arati Mohapatro

CERTIFICATION

This is to certify that the project entitled “**CAB BOOKING SYSTEM**”, is a bonafide work done by **Mubarak Ali A (20IABCA056)** submitted in partial fulfillment of VI Semester BCA as prescribed by the **INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS**, during the academic year 2022-2023.

Arati Mohapatro
Internal Guide

Arati Mohapatro

Anuradha P
Head of the Department

Prof Anuradha.P

Internal Examiners:
VALUED
Examiners
1.
2.
Date

Abstract

The main aim of the project cab booking system is providing faster booking. It helps customer for their various purposes and to book in a convenient date and time for the journey. It also provide various type of vehicle like mini, micro, etc. as per the requirements of customer. here the customer can see the history of his or her journey, book cab, search cab. it is user-friendly. the online cab booking system is growing as the internet emerges as the best technology which provide fast and efficient access of any information

INDIAN ACADEMY
Degree College - Autonomous

A PROJECT REPORT

ON

“ONLINE SPORTS SHOP”

Submitted in partial fulfillment of

VI SEM BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

Nandish VR (20IABCA058)

Under the guidance of

Dr. Arati Mohapatro

Hennur Cross, Hennur Main Road, Kalyan Nagar, Bangalore-560043.

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INDIAN ACADEMY

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CERTIFICATE

This is to certify that the Project report entitled "**ONLINE SPORTS SHOP**" is a bona fide work done by **Nandish VR(20IABCA058)** submitted in partial fulfillment of VI Semester BCA as prescribed by **Indian Academy Degree College- Autonomous**, during the academic year 2022-23.

Arati Mohapatra
16/8/23
INTERNAL GUIDE

Dr .Arati Mohapatra

Anuradha P
16/8/23
HEAD OF DEPARTMENT

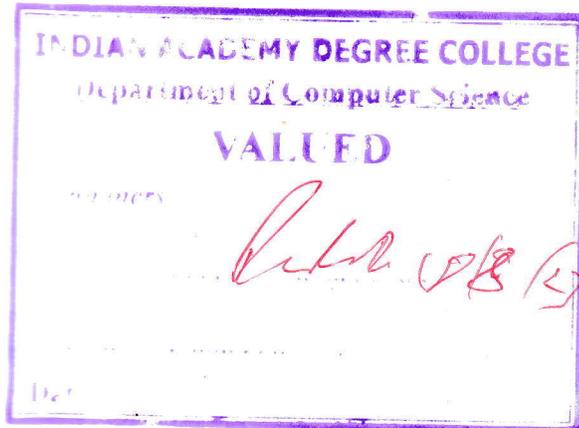
Mrs. ANURADHA P

Valued by:

Name:

NANDISH VR

Date of Exam:



ABSTRACT

E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming common place.

'Customer is our god' mainly this website is based on this formula. After chosen items he bought into Pay pal process like VISA or MASTER credit cards or any Debit cards are accepted in this website. Customer is happily shopping at his rest place.

Once customer entered with his own username and password, at that time automatically one shopping cart will be created, once user select an item it will add to cart. In case user thinks the selected item is not useful for me, then deleted that item from shopping cart.

Customer selected some items, but in his credit or debit card haven't that much balance, then he was logout from the website, the selected items are stored at cart with specific users with his allotted carts, after some days he bought those items then automatically deleted from the cart.

INDIAN ACADEMY

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A Project Report On

“FEES MANAGEMENT SYSTEM”

Submitted in partial fulfillment of

V1 Semester BCA

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed By

Narala Mounika N

(20IABCA059)

Under the guidance of

Dr. ARATI MOHAPATRO

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "FEES MANAGEMENT SYSTEM" is a bonafide work done by NARALA MOUNIKA N(20LABCA059) submitted in partial fulfillment of V1 SEMESTER BCA as prescribed by INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS, during the academic year 2022-2023.

Dr. Mohapatra

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Mrs. ANURADHA P

EXTERNAL EXAMINER

INDIAN ACADEMY DEGREE COLLEGE

Department of Computer Science

VALUED

Examiners

1. *Narala* 18/8/23

2. _____

Date:

ABSTRACT

The purpose of Student Fees Payment System is to automate the existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data information can be stored for a longer period with easy accessing and manipulation of the same. The required software and hardware are easily available and easy to work with.

Student Fees Payment System, as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources. The organization can maintain computerized records without redundant entries. That means that one need not be distracted by information that is not relevant, while being able to reach the information,

The aim is to automate its existing manual system by the help of computerized equipment and full-fledged computer software, fulfilling their requirements, so that their valuable data/information can be stored for a longer period with easy accessing and manipulation of the same. Basically, the project describes how to manage for good performance and better service for client.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report on

“ONLINE CAKE BAKERY SYSTEM”

Submitted in partial fulfilment of

VI SEMESTER BCA ‘B’

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

STUDENT NAME

RAMYA V

REG.NO

20IABCA063

Under the guidance of
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INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled "Online Cake Bakery System" is a bona fide work done by **RAMYA.V(20IABCA063)** submitted in partial fulfilment of VI Semester BCA, as prescribed by **INDIAN ACADEMY DEGREE COLLEGE - AUTONOMOUS**, during the academic year **2022-23**.

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EXAMINER

1

2

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *R.K. (20/6/23)*

2. _____

Date: _____

ABSTRACT

The online Cake Bakery System provides convenience for the customers. It overcomes the disadvantages of the traditional queuing system. This system increases the takeaway of cakes than visitors. Therefore, this system enhances the speed and standardization of taking the order from the customer. It provides a better communication platform. The user's details are noted electronically.

The online Cake Bakery System set up menu online and the customers easily places the order with a simple mouse click. Also with a cake menu online you can easily track the orders, maintain customer's database and improve your cake delivery service. This system allows the user to select the desired cake from the displayed menu. The user orders the cakes. The payment can be made online or pay-on-delivery system. The user's details are maintained confidential because it maintains a separate account for each user. An id and password is provided for each user. Therefore it provides a more secured Bakery.

INDIAN ACADEMY

Degree College - Autonomous

A Project Report On

IMDB CLONE

Submitted in partial fulfilment of

VI Semester BCA

As prescribed by

INDIAN ACADEMY COLLEGE AUTONOMOUS

Developed By

Ranjan Kumar Yadav

20IABCA064

Under the guidance of

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INDIAN ACADEMY

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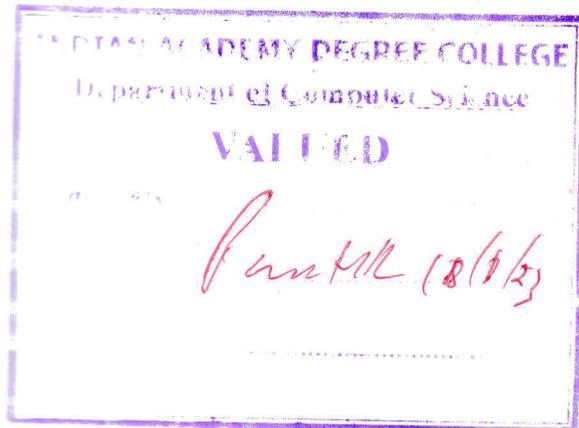
This is to certify that the project entitled "IMDB Clone" is a bonafidework done by Ranjan Kumar Yadav (20IABCA064) submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023


INTERNAL GUIDE
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EXTERNAL EXAMINERS

- 1.
- 2.



ABSTRACT

This Project report is the report of the end project that I have done during the training. I have learned about the React and how applications can be developed. In my training I used Visual Studio as a software for developing the project. The project contains code that is written in the Kotlin language, a language which works on bytecode and like Java. In the project I made an app called Movie-Db which is movie and tv show app. This app is intended towards the user as a platform like IMDB. The app fetches all its contents from the TMDB api which is the same Api Imdb uses in its application and website. My main purpose of making this app is learning and applying my knowledge of android that I gained in the training. This app is basically a clone of another app name as Popcorn, which is present in the Playstore. I tried making my app similar to it, but added some extra features to it. In the development I used several libraries and frameworks like Retrofit and OkHttp, they are used for making the network call to the Tmdb API. Other than this I have stored the details of the movie/show in the form of favourites. This favourite feature of the app is done using Room library, which is basically based on SQLite. Other than this I have implemented several other features like added voice search in the search widget and added YouTube sdk in the app itself so that trailer can be played in the app itself. This application is product ready and I can publish this to playstore, but as playstore requires membership, so I instead made it open sourced.

INDIAN ACADEMY

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A project Report on
**“ONLINE SECURITY GUARD HIRING MANAGEMENT
SYSTEM”**

Submitted in partial fulfilment of
VI SEMESTER BCA ‘B’

As Prescribed by
INDIAN ACADEMY DEGREE COLLEGE – AUTONOMOUS

Developed by
PRASANNA KUMAR D **[20IABCA060]**

Under the guidance of
Dr ARATI MOHAPATRO

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**ONLINE SECURITY GUARD HIRING MANAGEMENT SYSTEM**” is a bonafide work done by **PRASANNA KUMAR D[20IABCA060]** Submitted in partial fulfilment of **VI semester BCA ‘B’** section during the academic year 2023 – 2024.


INTERNAL GUIDE

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Mrs. ANURADHA P

EXAMINERS

1.

2.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
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1. 
2. _____
Date: _____

01.ABSTRACT

This project manages the details of security guards and provide job to them it is also beneficial for those who search security guards online.

Online Security Guards Hiring System Project is developed using PHP with MySQL extension. It's a web-based application used to hire security guards. Security Guards Hiring System Project has two modules i.e. admin and user. Hiring Form: In this section, users can fill out the form to fire the guards.

The system works and fulfils all the functionalities as per the proposed system.

It will provide reduced response time against the queries made by different users.

INDIAN ACADEMY
Degree College - Autonomous

A PROJECT REPORT ON
“ONLINE HOSTEL MANAGEMENT SYSTEM”

Submitted in partial fulfillment of

VI SEM BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

Ramya SRV (20IABCA062)

Under the guidance of

Dr. Arati Mohapatro

**Hennur Cross, Hennur Main Road, Kalyan Nagar, Bangalore-
560043.**

www.indianacademy.edu.in

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report entitled “**ONLINE HOSTEL MANAGEMENT SYSTEM**” is a bona fide work done by **Ramya SRV (20IABCA062)** submitted in partial fulfillment of V Semester BCA as prescribed by **Indian Academy Degree College- Autonomous**, during the academic year 2022-23.

Arati Mohapatra
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Anuradha P
HEAD OF DEPARTMENT

Prof. Anuradha.P

Internal Examiner:

INDIAN ACADEMY DEGREE COLLEGE	
Department of Computer Science	
VALUED	
Examiners	
1. <i>Arati Mohapatra</i>	<i>9/10/23</i>
2. _____	_____
Date:	

ABSTRACT

As the name specifies “HOSTEL MANAGEMENT SYSTEM” is a software developed for managing various activities in the hostel. For the past few years the number of educational institutions are increasing rapidly. Thereby the number of hostels are also increasing for the accommodation of the students studying in this institution. And hence there is a lot of strain on the person who are running the hostel and software’s are not usually used in this context. This particular project deals with the problems on managing a hostel and avoids the problems which occur when carried manually. Identification of the drawbacks of the existing system leads to the designing of computerized system that will be compatible to the existing system with the system Which is more user friendly and more GUI oriented. This project was developed using PHP, HTML, JavaScript, MYSQL(an HTML,CSS,JS library),XAMPP(a web server by Apache).

PROJECT REPORT ON
“CAR WASHING MANAGEMENT
SYSTEM”

Submitted in Partial

Fulfillment Of VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by:

Rithik Kumar.V

20IABCA065

Under the Guidance of

Dr.Arati Mohapatro

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATION

This is to certify that the project entitled "CAR WASHING MANAGEMENT SYSTEM", is a bonified work done by Rithik Kumar.V (20IABCA065) submitted in partial fulfillment of VI Semester BCA as prescribed by the INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS, during the academic year 2022-2023.

08/05/23

Internal Guide

Arati Mohapatro

Anuradha

Head of the Department

Mrs.Anuradha.P

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners:
1. Rithik Kumar.V
2. _____
Date: _____

Internal Examiners:

Examiners

INDIAN ACADEMY

Degree College - Autonomous

A PROJECT ON

“FRUVE MANAGEMENT SYSTEM”

VI semester BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

Roshan Kumar

20IABCA066

Under the guidance of

Dr.Aarti Mohapatro

INDIAN ACADEMY

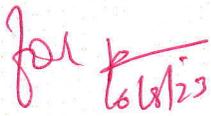
Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**FRUVE MANAGEMENT SYSTEM**” has been satisfactorily completed by **Roshan kumar (20IABCA066)**, in partial fulfilment of the award of the Bachelor of VI Semester BCA prescribed by Indian academy degree college (Autonomous) Bengaluru during the academic year 2022 – 2023.


Internal Guide

Dr. Aarti Mohapatro


Head of the department

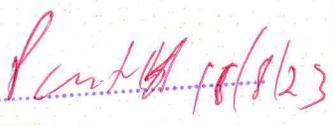
Prof. Anuradha P

Valued by Examiners

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners



Date:

ABSTRACT

This project "**FRUVE MANAGEMENT SYSTEM**" is used to automate all process of selling and buying of fruits and vegetables digitally using C# language.

The fruve management system is a project which helps the customer , dealer, and the seller for business and helps in saving time by performing everthing digitally and make the process seamless for everyone.

The seller can easily place order in bulk from the dealer and the dealer will get a notification so that the fruits and vegetables can be easily delivered to the seller at given time and this also helps the seller to know the profit he is getting and all the expenses with the help of graph section .

INDIAN ACADEMY

Degree College - Autonomous

A Project Report On
Crime Reporting System

Submitted in partial fulfillment of
VI Semester BCA

As prescribed by
INDIAN ACADEMY COLLEGE AUTONOMOUS
Developed By

Saba Tasneem

20IABCA067

Under the guidance of
Mrs. Dr Arati Mohapatro

INDIAN ACADEMY

Degree College - Autonomous

Certificate

This is to certify that the project entitled “**Crime Reporting System**” is a Bonafide work done by **Saba Tasneem (20IABCA067)** submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023

Dr Arati Mohapatra
18/10/23

INTERNAL GUIDE

Mrs. Dr Arati Mohapatra

Anuradha P
18/10/23

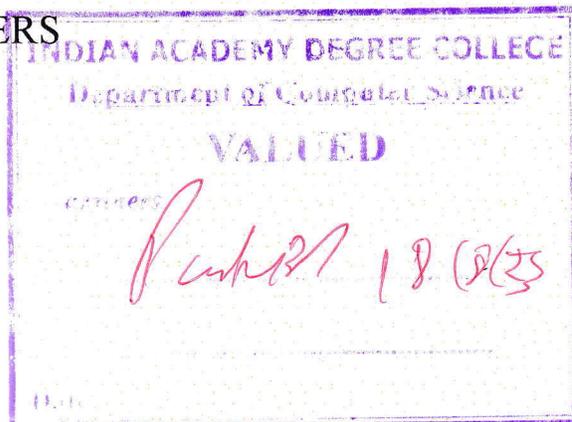
HEAD OF DEPARTMENT

Mrs. Anuradha.P

**EXTERNAL
EXAMINERS**

1.

2.



ABSTRACT

Crime Reporting System is a simple mini project for reporting complaints of any crimes. The project contains only the users' side. The user can either be police or victims/complainers. The purpose of reporting complaints to the police is to get help for solving the situation or crime registered.

Vision:

The ultimate motto of the project is to address all the problems that was faced by people in Filing Complaint with the means of technology. The current project focuses on

- **Economic Feasibility**
- **Technical Feasibility**
- **Operational Feasibility**

Deliverables/Functional Specification: -

- **Complaint-Registration Page**
- **Pop-Up Login Page.**
- **Home Page.**
- **Pop-up Registration page.**
- **Ability for users to login and sign up.**
- **Ability for users to File a complaint**
- **Ability for users to check the status of their Complaint**
- **Displaying the Complaint on the Admin side.**
- **Displaying the number of users logged in into the server.**
- **Ability to Add Multiple stations**
- **Ability to allot a particular team to a case.**
- **It generates a report automatically after the case is closed.**
- **We can change username and password of the Admin.**
- **We can also add multiple admins and other posts.**

INDIAN ACADEMY

Degree College-Autonomous

A project report on
ONLINE-NURSE-HIRING-SYSTEM MANAGEMENT
Submitted in partial fulfillment

VI semester BCA

As prescribed by
**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMUS**

SAGAR THAPA

20IABCA068

**UNDER THE GUIDANCE OF
DR.ARATI MOHAPATRO**

INDIAN ACADEMY

Degree College - Autonomous

Certificate

It is to certify that the project entitled "Online Nurse Hiring System Management" is a bonafide work done by Sagar Thapa [20IABCA068], submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2021-2022

17/11/23
INTERNAL GUIDE

Arati Mohapatro

Anuradha
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EXAMINER

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED
Examiners
1. *R.M. 18/11/23*
2. _____
Date: _____

Abstract

Online Nurse Hiring System "is a web based application which contains data and information of nurses. The main purpose of Online Nurse Hiring System" is to systematically record, store and update the nurse's records. The information from "Online Nurse Hiring System" is used to hire nurses. With the help of this software person can easily hire nurses according to his/her requirement.

INDIAN ACADEMY

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A Project Report on

“DAIRY FARM SHOP MANAGEMENT SYSTEM”

Submitted in partial Fulfilment of

VI SEMESTER BCA

As prescribed by

**INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS**

Developed by

SAKTHI K

(20IABCA069)

Under the guidance of

Dr. ARATI MOHAPATRO

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**DAIRY FARM SHOP MANAGEMENT SYSTEM**”, is a bonafide work done by **SAKTHI K (20IABCA069)**, submitted in partial Fulfilment of VI SEMESTER BCA as prescribed by **INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS**, during the academic year 2022-2023.

Arati
INTERNAL GUIDE

Dr. ARATI MOHAPATRO

For
17/10/23
HEAD OF THE DEPARTMENT

Ms. ANURADHA P

EXTERNAL EXAMINERS

1.

2.

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

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1. *[Signature]* 17/10/23

2. _____

Date: _____

ABSTRACT

Dairy Farm Shop Management Software is a free script that helps to manage your dairy farms information online and keep ready to access all your records online from anywhere on any device. Dairy Farm Management Software is developed in PHP with MySQL database, dairy farm management admin has all the privileges to manage dairy farm categories, company, products, invoices, and reports. Php scripts online offers this dairy shop management software with full source, so anyone can download the script and use it for personal, clients projects. Also they can add, modify the features as per their business requirements and can resell script. The "Dairy farm management system," or "DFMS," is a PHP Laravel-based responsive online application for cow dairy farms. This web application allows you to manage your entire dairy farm production and management.

PROJECT REPORT ON
“2D GAME”

Submitted in Partial

Fulfillment of VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by:

S.Sakthi vel

20IABCA070

Under the Guidance of
Mrs. Sheetal Kulkarni

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATION

This is to certify that the project entitled "2D Game", is a bonafide work done by
Shakthi vel (20IABCA061) Submitted in partial fulfillment of VI Semester BCA
prescribed by the INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS
during the academic year
2022-2023.

Sheetal
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for 18/12/23
Head of the Department

Mrs. Anuradha.P

External Examiners:
INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

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Examiners

1. *Soma 18/12/23*

2. *P 18/12/23*

Date:

INDIAN ACADEMY
Degree College - Autonomous

A PROJECT REPORT

ON

“COURIER MANAGEMENT SYSTEM”

Submitted in partial fulfillment of

VI SEM BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

Sandhya P (20IABCA071)

Under the guidance of

Mrs. Shital K Kulkarni

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This is to certify that the Project report entitled "**COURIER MANAGEMENT SYSTEM**" is a bona fide work done by **Sandhya P (20iabca071)** submitted in partial fulfillment of VI Semester BCA as prescribed by **Indian Academy Degree College- Autonomous**, during the academic year 2022-23.

Skulkarni

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INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

EXTERNAL EXAMINER

VALUED

Examiners
Sundar 18/8/23

18/8/23

Date:

01 Abstract

Title of the Project: Courier Management System

This project deals with the '**Courier Management System**'. The system is used for daily activities such as booking a courier, courier history; maintain staff details, branch details.

Previous System:

This project deals with the '**Courier Management System**'. The system is used for daily activities such as booking, Booking history ,staff details, Branch details and pickup centers. It is very difficult to do this process manually. Hence it is recommended to computerize the process by developing the relative software as the world is turning into information and technology; computerization becomes necessity in all walks of life.

Existing System

The existing system is not totally automated. Though the system is computerized to a particular extent, it has to do a lot of manual work.



A Project Report On
Online Restaurant Management System

Submitted in partial fulfilment of
VI Semester BCA

As prescribed by
INDIANACADEMYCOLLEGEAUTONOMOUS

Developed By

SAPNA K.M

20IABCA072

Under the guidance of
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Certificate

This is to certify that the project entitled "Online Restaurant Management System" is a Bonafide work done by Sapna K.M (20IABCA072), submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023.

Shital Kulkarni

INTERNAL GUIDE

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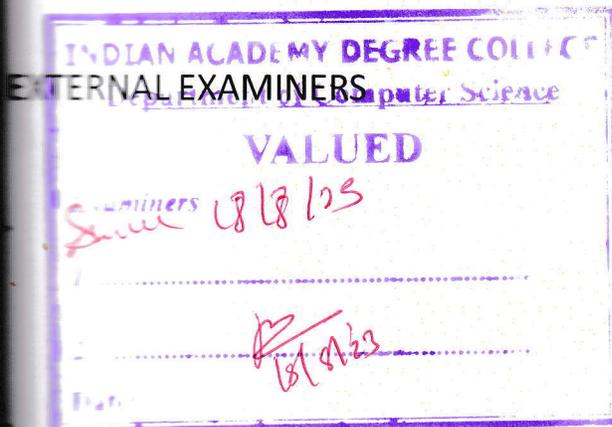
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ABSTRACT

The abstract for an online restaurant management system is a concise summary of the main features benefits of the software .It highlights the key functionalities and advantages that make it an essential tool for restaurant owners and managers .The abstract may include information about features such as menu management, online ordering, table reservation, reporting and analytics. The abstract aims to provide a high-level overview of the online restaurant management system, enticing potential users to learn more about its capabilities and consider implementing it in establishments.

INDIAN ACADEMY

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A Project Report On

Artificial Intelligence Chatbot

Submitted in partial fulfillment of VI Semester BCA

As prescribed by

INDIANACADEMYCOLLEGEAUTONOMOUS

Developed By

Shaik Ibrahim

20IABCA076

Under the guidance of

Mrs. Shital Kulkarni

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Certificate

This is to certify that the project entitled “**Artificial Intelligence Chatbot**” is a sincere work done by **Shaik Ibrahim (20IABCA076)**, submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023

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Examiners	
1. <i>Shital Kulkarni</i>	18/8/23
2. <i>[Signature]</i>	18/8/23
Date	

Abstract

The AI Chatbot project aims to develop an intelligent conversational agent powered by state-of-the-art AI technologies to revolutionize user engagement and support in various domains. With the exponential growth of digital interactions, businesses and organizations seek innovative solutions to efficiently interact with their customers, employees, and users. AI-powered chatbots have emerged as a promising solution to address these challenges, offering personalized and instantaneous support.

This project focuses on designing and implementing a highly adaptive and context-aware chatbot capable of handling diverse queries across different industries, such as customer service, healthcare, e-commerce, education, and more. The chatbot will be built up on the GPT-3.5 architecture, a powerful language model developed by OpenAI, which enables it to understand natural language and provide coherent responses.

INDIAN ACADEMY

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A Project Report On

Stock Price Prediction Using Machine Learning

Submitted in partial fulfillment of VI Semester BCA

As prescribed by

INDIAN ACADEMY COLLEGE AUTONOMOUS

Developed By

Sourabh Dahiya

20IABCA079

Under the guidance of

Mrs. Shital Kulkarni

INDIAN ACADEMY

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Certificate

This is to certify that the project entitled "Stock Price Prediction Using Machine Learning" is a bonafide work done by Sourabh Dahiya (20IABCA079), submitted in partial fulfilment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023

Sital Kulkarni

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Sital Kulkarni

Anuradha

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Mrs. Anuradha. P

Head

Department of Computer Science
Indian Academy Degree College
Hennur Cross, Hennur Main Road
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INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
INTERNAL EXAMINERSUED
18/8/23
for 18/8/23

ABSTRACT

The "Stock Price Prediction Using Machine Learning" project aims to develop a robust and accurate model for predicting stock prices in financial markets. The stock market's dynamic and unpredictable nature poses significant challenges for investors and traders, making accurate price predictions a crucial aspect of informed decision-making.

In this project, I leverage machine learning algorithms to analyze historical stock price data and identify meaningful patterns and trends that influence future price movements. My approach involves the following key steps:

Data Collection: I gather historical stock price data from reliable financial sources like yahoo finance in csv format, including daily closing prices, trading volumes, and other relevant indicators.

Feature Engineering: To enhance the model's predictive capabilities I first manually clean the data, I engineer meaningful features from the raw data, incorporating technical indicators, historical price trends, and market sentiment measures.

Model Selection: I explore and evaluate machine learning algorithm, nested long short-term memory networks, decision trees, random forests, and deep learning models. The best-performing model for our specific stock prediction

task is nested long short-term memory networks.

Model Training and Optimization: The selected model is trained on historical stock data, utilizing techniques like cross-validation and hyperparameter tuning to optimize its performance and generalization.

Prediction and Evaluation: The trained model is then used to predict future stock prices based on the extracted features. I evaluate the model's accuracy and performance using appropriate metrics, such as Mean Absolute Error (MAE) and Root Mean Squared Error (RMSE).

The success of this project would enable investors, traders, and financial analysts to make informed decisions based on reliable stock price predictions. Additionally, it could serve as a valuable tool for risk management, portfolio optimization, and developing algorithmic trading strategies.

By combining the power of machine learning algorithms with comprehensive financial data analysis, this project contributes to the advancement of predictive analytics in financial markets, fostering a more data-driven and informed approach to stock trading and investment strategies.

INDIAN ACADEMY
Degree College - Autonomous

A PROJECT REPORT

ON

“E-COMMERCE MANAGEMENT SYSTEM”

Submitted in partial fulfillment of

VI SEM BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS

Developed by

Sumanth B (20IABCA081)

Under the guidance of

Mrs. Shital K Kulkarni

Hennur Cross, Hennur Main Road, Kalyan Nagar, Bangalore-560043.

www.indianacademy.edu.in

INDIAN ACADEMY

Degree College - Autonomous

CERTIFICATE

This is to certify that the Project report entitled "E-COMMERCE MANAGEMENT SYSTEM" is a bona fide work done by **Sumanth B(20iabca081)** submitted in partial fulfillment of VI Semester BCA as prescribed by **Indian Academy Degree College- Autonomous**, during the academic year 2022-23.

shitalkarni

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EXTERNAL EXAMINER:

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED

Examiners

1. *Suman 18/12/23*

2. *[Signature] 18/12/23*

Date:

01. Abstract

E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming common place.

'Customer is our god' mainly this website is based on this formula. After chosen items he bought into Pay pal process like VISA or MASTER credit cards or any Debit cards are accepted in this website. Customer is happily shopping at his rest place.

Once customer entered with his own username and password, at that time automatically one shopping cart will be created, once user select an item it will add to cart. In case user thinks the selected item is not useful for me, then deleted that item from shopping cart.

Customer selected some items, but in his credit or debit cart haven't that much balance, then he was logout from the website, the selected items are stored at cart with specific users with his allotted carts, after some days he bought those items then automatically deleted from the cart.

INDIAN ACADEMY
Degree College - Autonomous

A Project Report On
Gym Management System
Submitted in partial fulfillment of
VI Semester BCA

As prescribed by
INDIAN ACADEMY DEGREE COLLEGE
AUTONOMOUS
Developed By

SYED AFNAN

20IABCA083

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INDIAN ACADEMY

Degree College - Autonomous

Certificate

This is to certify that the project entitled "Gym Management System" is a bonafide work done by Syed Afnan[20IABCA083], submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2021-2022

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EXAMINER

1.
2.

INDIAN ACADEMY DEGREE COLLEGE	
Department of Computer Science	
VALUED	
Examiners	
1.	
2.	
Date:	<i>20/1/23</i>

ABSTRACT

The project titled as “Online Gym Management System” is develop using front end as PHP and back end MYSQL tool. Gyms are become the essential part of our lives and providing best exercise. In this web application admin can manage the customer an easier and more convenient way. This project also maintains the Customer details, to provide the valuable reports regarding progress of the gym member. Admin can login with their username and password. Admin can add and update Trainer details and work out details. Customer will register and login with their username and password. Customer can view exercise and work out timing details etc.

This project is a computer-based program and it manages the gym members, the personal and the inventory. This system also maintains the client details, to provide the valuable reports regarding the progress of the gym member.



A Project Report On

Shoe Store

Website

Submitted in partial fulfilment of

VI Semester BCA

As prescribed by

INDIAN ACADEMY COLLEGE AUTONOMOUS

Developed By

Syed Khaleel Ahmed

20IABCA086

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INDIAN ACADEMY

Degree College - Autonomous

Certificate

This is to certify that the project entitled “**Shoe Store Website**” is a Bonafide work done by Syed Khaleel Ahmed (20IABCA086), submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023

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EXTERNAL EXAMINERS

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science
VALUED
Examiners
1. *June 18/8/23*
2. *Wais*
Date:

ABSTRACT

I have created a shoe store website using Next.js, a React framework that enables fast and easy web development. This project is important to me because it highlights my skills and passion for web design and e-commerce. I have learned how to use Next.js features such as dynamic routing, image optimization, and server-side rendering to create a responsive and user-friendly website. I have also integrated a payment system and a database to store the products and orders.

Vision:

To provide customers with a seamless and enjoyable online shopping experience, where they can browse, compare, and purchase a variety of shoes from varied brands and categories.

- A. Economic Feasibility
- B. Technical Feasibility
- C. Operational Feasibility

Deliverables/Functional Specification:

1) Hero Page/ Home page.

- ✦ Hero Carousel
- ✦ Product Cards

2) About Page.

- ✦ List of Technologies Used

3) Contact Page.

- ✦ Dynamic Contact form

4) Categories Page

- ✦ Sub – categories
- Product Carousel

5) Product Details

- ✦ Product Images
- ✦ Product data
- ✦ Product Size

INDIAN ACADEMY

get ready for life

A Project Report On

CREDIT CARD ADMINISTRATION MANAGEMENT SYSTEM

Submitted in partial fulfillment of VI Semester BCA

As prescribed by

INDIAN ACADEMY COLLEGE AUTONOMOUS

Developed By

SYED MAAZ Y

20IABCA087

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INDIAN ACADEMY

get ready for life

Certificate

This is to certify that the project entitled “**CREDIT CARD ADMINISTRATION MANAGEMENT SYSTEM**” is a bonafide work done by **Syed Maaz Y (20IABCA087)**, submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023

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EXTERNAL EXAMINERS

1
2

INDIAN ACADEMY DEGREE COLLEGE
Department of Computer Science

VALUED

Examiners

1. *Syeda* 18/8/23

2. *Syeda* 18/8/23
Date:

Abstract

Credit Card Application Management System contains data and information of credit card holder who apply for credit card online. The main purpose of CCAMS is to systematically record, store and update the details of admin/sub-admin and also manage the credit card application.

This projects helps to those people who apply credit card online without wasting a time and also check the application status by their name/mobile number/application number.

INDIAN ACADEMY

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A Project Report on

“ONLINE TEMPLE MANAGEMENT SYSTEM”

Submitted in partial Fulfilment of

VI SEMESTER BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

Developed by

ULLAS G Y

(20IABCA090)

Under the guidance of

Ms. SHITAL K KULKARNI

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Degree College - Autonomous

CERTIFICATE

is to certify that the project entitled "ONLINE TEMPLE MANAGEMENT SYSTEM", is a bonafide work done by ULLAS G (MABCA090), submitted in partial Fulfilment of VI SEMESTER BCA as prescribed by INDIAN ACADEMY DEGREE COLLEGE AUTONOMOUS, during the academic year 2022-2023.

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INTERNAL EXAMINERS

INDIAN ACADEMY DEGREE COLLEGE	
Department of Computer Science	
VALUED	
Examiners	
1	<i>Sum 18/8/23</i>
2	<i>[Signature]</i>
Date:	

Abstract

Temple Management System is web-based application which help temple administration to store the data of devotees, manage devotee's donation and manage darshan booking. The system is also intended to provide better services to users(devotees), provide meaningful, consistent, and timely data and information and finally promotes efficiency by converting paper processes to electronic form. The system was developed using basic technologies such as MySQL database and PHP. The system is free of errors and very efficient and less time consuming due to the care taken to develop it. All the phases of software development cycle are followed and it is worthwhile to state that the system is user friendly and strong. Provision is made for future expansion in the system.

INDIAN ACADEMY

Degree College - Autonomous

PROJECT REPORT ON

SALON MANAGEMENT SYSTEM

Submitted in partial fulfilment of

VI Semester BCA

As prescribed by

INDIAN ACADEMY COLLEGE AUTONOMOUS

Developed by

UMME KULSUM

20IABCA091

Under the guidance of

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Degree College - Autonomous

CERTIFICATE

This is to certify that the project entitled “**Salon Management System**” is a bonafide work done by **Umme Kulsum(20IABCA091)** submitted in partial fulfilment of VI Semester BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2022-2023.

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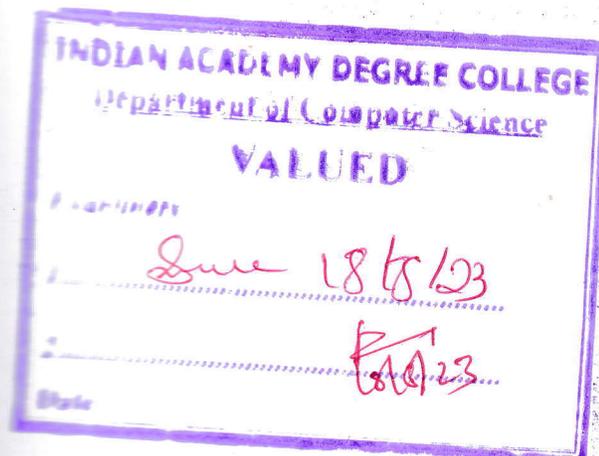
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EXTERNAL EXAMINERS

- 1.
- 2.



ABSTARCT

"Salon Management System" is a web-based application with appointment scheduling functionality. It provides the interface between the salon and clients. In this web application, clients take an appointment online and look for the services provided on the other hand salon administrators can either approve or cancel that appointment, the admin can create invoices, have a check on his/her customers, add/remove services and keep a note on sales.

INDIAN ACADEMY
Degree College - Autonomous

A Project Report On

**DOCTOR APPOINTMENT
MANAGEMENT SYSYTEM**

Submitted in partial fulfillment of

V Semester BCA

As prescribed by

INDIAN ACADEMY DEGREE COLLEGE

AUTONOMOUS

Developed By

UMME ZAKIYA

20IABCA092

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Degree College - Autonomous

Certificate

This is to certify that the project entitled “**Doctor Appoitment Management System**” is a bonafide work done by **Umme Zakiya[20IABCA092]**, submitted in partial fulfillment of VI SEMESTER BCA as prescribed by Indian Academy Degree College Autonomous, during the academic year 2021-2022

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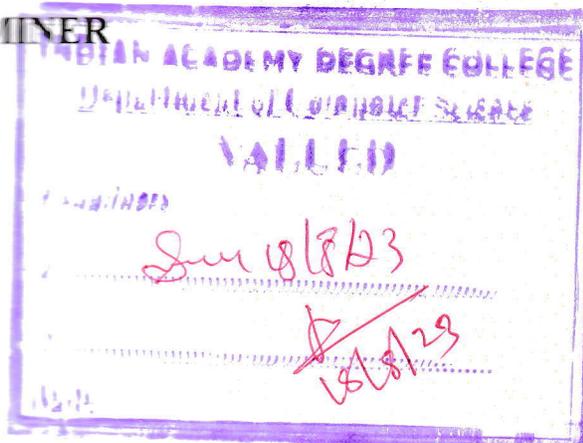
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EXAMINER



ABSTRACT

The capstone project entitled "Doctor Appointment Management System" was designed and developed in PHP, MySQL and Bootstrap.

The purpose of the study is to implement an online database system that caters the doctor appointment scheduling, reservation and records management of consultation for a hospital or clinic. In this era of pandemic, medical clinic and hospital imposed strict guidelines on the number of person who can enter their facility.

Consultations to doctors are also very limited and can facilitate a limited number of patients.

The online system for appointment and consultation is one of the solutions that can be used in order to give the people a way on how to contact their doctors and reserve an appointment for consultation. The implementation of the said project will help hospital and clinic provide better client management while ease and comfort is the advantage on the patient end. The analysis and implementation result shows that the project is feasible and implementation is highly recommended by the researchers.