

# UNIVERSITY COLLEGE MANGALORE

ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು ಮಂಗಳೂರು

A Constituent College of Mangalore University

(Reaccredited by NAAC with 'A' Grade and College with Potential for Excellence)

Office of the Principal,  
U.P. Malya Road, Hampanakatta  
Mangalore 575 001



ಪ್ರಾಂಶುಪಾಲರ ಕಛೇರಿ,  
ಯು.ಪಿ. ಮಲ್ಯ ರಸ್ತೆ, ಹಂಪನಕಟ್ಟೆ  
ಮಂಗಳೂರು 575 001

Email: ucmangalore1@gmail.com

Phone No: 0824 2424760

website: <https://universitycollegemangalore.com>

## Criterion 1: Curricular Aspects

### Key Indicator - 1.3 Curriculum Enrichment


Metric 1.3.3 (QnM): Percentage of students undertaking project work/field work/ internships  
(Data for the latest completed academic year)

1.3.3.1. Number of students undertaking project work/field work/ internships.

#### List of supporting enclosures

Sl. No.	Particulars of samples
1.	Particulars Document showing the experimental learning through Project work/field work as prescribed by the affiliating University/ affiliating University curriculum i.e.,
	1. Syllabus of the Courses specifying experiential learning
	2. Project Work Completion Certificates
	3. Supporting documents for Field Visit

  
NAAC Coordinator  
NAAC Coordinator  
University College  
Mangalore

  
Principal  
PRINCIPAL  
University College, Mangalore

## IV Semester

### HARD CORE

HN551 - अनुवाद सिद्धांत और प्रयोग  
Anuvadh Siddhanth Aur Prayog

HN552 - हिंदी पत्रकारिता  
Hindi Pathrkaritha

### SOFT CORE

HN553 -1) समकालीन नारी विमर्श  
Samkaleen Nari Vimarsh

2 ) समकालीन दलित विमर्श  
Samkaleen Dalith Vimarsh

HN554 -1) हिंदी महिला कथाकार  
Hindi Mahila Kathakar

2) हिंदी कवयित्री  
Hindi Kaviyathri

HN555 - 1) हिंदी अलोचना  
Hindi Alochana

2) मीडिया लेखन  
Media Lekhan

HN556- परियोजना कार्य  
Pariyojana Karya.

*D. Vasu*

Principal  
University College, Mangalore

**IV Semester**  
**परियोजना कार्य**  
**Pariyojana Karya**

**(2 Credits)**

- हिंदी साहित्य के किसी एक विधा/विषय पर आधारित लघु-प्रबंध की प्रस्तुति।

**Points to be noted:**

- The project work should be neatly typed in 12 font size, A-4 size sheets with 15000 to 18000 words.
- Footnotes and reference books (Bibliography) should be included.
- Hypothesis has to be mentioned.
- Project work should be submitted in spiral binding.

*Anasuya*  
Principal

University College, Mangalore

### 3<sup>rd</sup> Semester

Course Code	Course Title	No of UNITS	Evaluation IA + Exam	Teaching hr week	Sem	Exam Ihrs	Credits
CH H 501	Coordination Chemistry	3	30 + 70	3	45	3	3
CH H 502	Organic Reaction Mechanism and Heterocyclic Chemistry	3	30 + 70	3	45	3	3
CH H 503	Solid State Chemistry	3	30 + 70	3	45	3	3
CH S 504 Or CH S 505	Medicinal & Natural Product Chemistry Or Bioorganic Chemistry	3 3	30 + 70 30 + 70	3 3	36 36	3	3
CH E 506	Analytical & Green Chemistry	3	30 + 70	3	36	3	3
CH P 507	Inorganic Chemistry Practicals-III	6 Hrs	30 + 70	6		6	3
CH P 508	Organic Chemistry Practicals-III	6 Hrs	30 + 70	6		6	3
CH P 509	Physical Chemistry Practicals-III	6 Hrs	30 + 70	6		6	3


Total Credits = 24 (Hard Core-18, Soft Core-3 and Elective-3)

### 4<sup>th</sup> Semester

Course Code	Course Title	No of UNITS	Evaluation IA + Exam	Teaching hr week	Sem	Exam hrs	Credits
CH H 551	Bioinorganic Chemistry	3	30 + 70	3	45	3	3
CH H 552	Organic Synthetic Methods	3	30 + 70	3	45	3	3
CH H 553	Electrochemistry and Reaction Dynamics	3	30 + 70	3	45	3	3
CH S 554	Organ metallic Chemistry	3	30 + 70	3	36	3	3
CH S 555 Or CH S 556	Polymer Chemistry Or Nuclear, Radiation & Photochemistry	3 3	30 + 70 30 + 70	3 3	36 36	3	3
CH P 557	Inorganic Chemistry Practicals -IV	6 Hrs	30 + 70	6		6	3
CH P 558	Physical Chemistry Practicals -IV	6 Hrs	30 + 70	6		6	3
CH P 559	Project Work & Dissertation	8 Hrs	30 + 70	8		--	4

Total Credits = 25 (Hard Core-18, Soft Core-6 + Seminar- 1)

Total Credits: 21+21+24+25 = 91.

  
 Anvaya  
 Principal  
 University College, Mangalore

## CH P 559: PROJECT WORK AND DISSERTATION

### COURSE OUTCOME:

Enable the students:

- To design the project by collecting required background material by referring the literature
- To understand the functioning and safety features in the industry.
- To improve the experimental and soft skills.
- To learn various analytical and instrumental techniques and interpretation of analytical data.



*Domasappa*  
Principal  
University College, Mangalore

**UNIVERSITY COLLEGE MANGALORE**  
**DEPT. OF P G STUDIES IN COMMERCE**

**\*DISSERTATION:**

A student in the Second Semester (at the end of the Second Semester) shall register for dissertation which carries four credits in the Fourth Semester. The workload for dissertation is four hours tutorial per week and six hours practical per week. Practical consists of identification of the topic, field work, collecting secondary data, review of literature, questionnaire and collecting the primary data. A student in the Third Semester shall work the dissertation and in lieu of the Retail Management paper code CMS551 in the fourth semester.

Note: A student can opt for dissertation in lieu of the Retail Management paper code CMS551 in the 4th Semester.

## **EC553 PROJECT**

### **➤ Learning Objectives and outcome**

- Project work (replacing a paper) is to train students in basic research skills.
- By doing project work students are expected to acquire skills of social science research, and prepare a dissertation on a topic with a guidance of a supervisor.

## **DISSERTATION FORMAT**

### **General Guidelines**

1. Selection of a Topic
2. Pilot Survey, if needed
3. Significance of the Study
4. Review of Literature
5. Research Gap (Optional)
6. Conceptual Framework – Conceptualization & Operationalization (precise and specific meaning of the terms and concepts )
7. Theoretical framework (Optional)
8. Formulation of Research Questions /Issues
9. Research objectives
10. Hypotheses (Optional)
11. Coverage (Universe/ Sample & period of study)
12. Data source (Primary/Secondary)
13. Tools of analysis (Analytical Framework)
14. Social Relevance of the study
15. Limitations of the study
16. Chapter outlines
17. Introductory chapter
18. Result Chapter(s)
19. Conclusion Chapter
20. Appendices
21. Bibliography /References & Webliography



*Dr. Vasu*  
Principal  
University College, Mangalore

## **Structure of the Report**

### **1.1 Title page/ Cover Page**

- a. Title page
- b. Title of the project
- c. Name of the candidate
- d. Name and designation of the supervisor.
- e. Degree for which project is submitted.
- f. Name of the College
- g. Month and year the project is presented
- h. Declaration of the student & supervisor

### **1.2 Preface**

### **1.3 Table of contents**

- a. List of Tables
- b. List of Figures
- c. Glossary
- d. List of abbreviations
- e. Acknowledgment



### **1.4 Abstract/ Executive Summary (One page)**

### **1.4. The Main Text**

- a. Introductory Chapter: Items 3 to 16 mentioned above
- b. Other Chapters - Analysis, Results Interpretation
- c. Conclusion Chapter: Conclusions, Recommendations & Summary

### **1.5 End Notes (after each Chapter)**

### **1.6 Bibliography or References (at the end of the thesis)**

### **1.7 Appendices**

- a. Questionnaire
- b. Interview Schedule
- c. Observation Schedule (optional )
- d. Coding Frame (optional)
- e. Letters sent to sample members (optional)
- f. Any Other

*Drasinaga*  
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University College, Mangalore



### **Length of the Project**

1. Report length minimum of 100 pages excluding Appendix and Certificates
2. Alignment : Justify
3. Font : Times New roman
4. Font size : 12
5. Line spacing : 1.5
6. No Page Border



*Aravind*  
Principal  
University College, Mangalore

**B.Sc. Degree - Botany**  
**V SEMESTER - PRACTICAL**  
**BO - 303 : PLANT PHYSIOLOGY - I ECOLOGY - I**  
(10 practicals of 2 hrs duration each, one practical per week)

**MAJOR EXPERIMENTS (1-5)**

1. Experiment to measure the solute potential of the cell sap by plasmolytic method.
2. Experiment to show the effect of environmental factors on the transpiration rate using Ganong's potometer.
3. Determination of the relation between absorption and transpiration.
4. Experiment to determine the suction due to transpiration.
5. Determination of porosity of soil samples from forest (humus), paddy field and coastal regions (sand) and determination of their pH.

**CHEMICAL TESTS**

6. Estimation of carbohydrates
7. Estimation of proteins

**DEMONSTRATION EXPERIMENTS**

8. a) Potato osmoscope experiment  
b) Thistle funnel experiment  
c) Experiment to demonstrate imbibition pressure by germinating seeds
9. a) Determination of differential rate of transpiration on the two surfaces of leaf using Garreau's apparatus.  
b) Bell jar experiment  
c) Experiment to prove aciferous system in plants.
10. Study of pond ecosystem,

**Note:- PROJECT WORK ON ECOLOGY**

Students should be prepare a project on Ecosystem [pond ecosystem /forest ecosystem/grassland ecosystem/river ecosystem/marine ecosystem] and submit the report at the time of practical examination along with the certified class record

  
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**MANGALORE UNIVERSITY**

# **BOTANY**

**(CORE AND GROUP-II ELECTIVE COURSES)**

**SYLLABUS**

**FOR**

**B.Sc. UNDER GRADUATE (UG) PROGRAMME**

**UNDER CBCS SCHEME**

**With effect from**

**Academic Year**

**2018-19**

**SEMESTER –V**  
**BSCBOP 333: Ecology and Environmental Biology – Practicals**

Practical No.	Experiment
1	Determination of pH of different types of Soils
2	Estimation of salinity of soil/water samples.
3	Study of Ecological instruments – Wet and Dry thermometer, Altimeter, Hygrometer, Soil thermometer, Rain Gauge, Barometer, etc
4	Hydrophytes: Morphological adaptations in <i>Pistia</i> , <i>Eichhornia</i> , <i>Hydrilla</i> , <i>Nymphaea</i> and Anatomical adaptations of Hydrophytes - <i>Hydrilla</i> and <i>Nymphaea</i> .
5	Xerophytes: Morphological adaptations in <i>Asparagus</i> , <i>Casuarina</i> , <i>Acacia</i> , <i>Aloe vera</i> , <i>Euphorbia tirucalli</i> and Anatomical adaptations of <i>Casuarina phylloclade</i> .
6	Epiphytes: Morphological adaptations in <i>Acampe</i> , <i>Bulbophyllum</i> , <i>Drynaria</i> and Anatomical adaptations of epiphytic root of <i>Acampe/ Vanda</i> . Halophytes: Vivipary and Pneumatophores
7	Study of local vegetation types by field trips
8	Project work
9	Project work
10	Project work

**\*PROJECT WORK ON ECOLOGY:**

Students should undertake a short project related to any of the following ecological aspects, either individually or in groups, and submit the report at the time of practical examination along with the certified class record.

Project Reports to be prepared according to the Format provided.

Projects may be undertaken on:

- Structure of local ecosystems - pond ecosystem /forest ecosystem/grassland ecosystem/river ecosystem/marine ecosystem.
- Documentation/assessment of ecosystem services like carbon sequestration by trees.
- Enumeration/documentation of local biodiversity
- Listing of local RET species of plants, assessment of their population status, etc.
- Documentation of local conservation practices , sacred trees, sacred landscapes, etc.
- Documentation/Assessment of local pollution issues, etc.

**Format for Project Report (Typed or Handwritten):** The project Report must present information organised in the following sections. The number of pages may be limited to 10-15 typed pages in case of individual projects and 20-25 pages, in case of group projects.

1.	Introduction with objectives of the work
2.	Review of literature/ earlier work
3.	Study area and Methods followed

4	Results
5	Discussion and Conclusions
6	References

**SEMESTER – V**  
**BSCBOP 334: Plant Physiology -Practicals**

Practical No.	Experiment
	<b>Major Experiments:</b>
1	Experiment to measure the solute potential of the cell sap by plasmolytic method.
2	Demonstration/ Determination of rate of transpiration using Ganongs Potometer
3	Demonstration of transpiration pull/Suction force due to transpiration.
4	Separation of plant pigments by paper chromatography method.
5	Determination of RQ of germinating seeds using Ganongs Respirometer
6	Demonstration of activity of Peroxidase/Catalase enzyme
7	Estimation of sugar/protein by colorimetric method
	<b>Minor Experiments/Demonstrations</b>
1	Potato osmoscope /Thistle funnel experiment to demonstrate osmosis
2	Demonstration of unequal transpiration from leaf surfaces using GarreausPotometer
3	Demonstration of imbibition pressure using germinating seeds
4	Demonstration of O <sub>2</sub> liberation during photosynthesis by bubbling method
5	Measurement of growth using arc auxanometer
6	Demonstration of plant movements – Heliotropism, Geotropism, Hydrotropism
7	Demonstration of transpiration using bell jar
8	Demonstration of fermentation using Kuhn's Fermentation vessel



ಕ್ರಮಾಂಕ/No. :MU/ACC/CR.20/2018-19/A8

ಕುಲಸಚಿವರ ಕಛೇರಿ  
ಮಂಗಳಗಂಗೋತ್ರಿ - 574 199  
Office of the Registrar  
Mangalagangothri - 574 199

ದಿನಾಂಕ/Date: 06.02.2021

### NOTIFICATION

Sub: Modified scheme of V & VI semester - Practical Examinations of Zoology,  
a core course for B.Sc degree programme-reg

Ref: 1. This office notification of even no. dated: 30.03.2019  
2. Decision of the Academic Council meeting  
dated: 23.12.2020

Pursuant to the above, modified scheme of V & VI semester - Practical Examinations  
of Zoology, a core course for B.Sc degree programme is hereby notified for implementation  
with effect from the academic year 2021-22 onwards.


The syllabus prescribed for practicals BSCZOP 333 & BSCZOP 334 are modified with  
code No. BSCZOP 333 & the syllabus prescribed for BSCZOP 383 & BSCZOP 384 are  
modified with code No. BSCZOP 383 in V & VI semesters respectively.

The said changes shall be downloaded from the Mangalore University Website  
[www.mangaloreuniversity.ac.in](http://www.mangaloreuniversity.ac.in)

  
REGISTRAR.


To:

- 1) The Principals of the Colleges Concerned.
- 2) The Registrar ( Evaluation ), Mangalore University.
- 3) Dr. Bhaskar Shenoy, Chairman, UG BOS in Zoology, Department of Applied Zoology,  
Mangalore University.
- 4) The Assistant Registrar, Superintendents, Academic Section, O/o the  
Registrar, Mangalore University.
- 5) The Director, DUIMS, Mangalore University - with a request to publish in the  
Website.
- 6) Guard File.

  
Principal  
University College, Mangalore

IV Semester B.Sc.								
Group I Core Subject	Theory BSCZOC- 281	Histology, Animal Behavior, Applied Zoology	4	3	80	20	100	2
	Practical BSCZOP- 282	Histology, Animal Behavior, Applied Zoology	3	3	40	10	50	1
Group II Elective (Enabling an exposure to some other discipline/ domain)	Theory BSCZOOE- 283	Vermitechnology	2	2	40	10	50	1*
Total number of Credits for Core Subject in IV Semester: 03								
V Semester B.Sc.								
Group I Core Subject	Theory BSCZOC- 331	Cell Biology and Biotechnology	3	3	80	20	100	2
	Theory BSCZOC- 332	Genetics, Biostatistics, Evolution and Paleontology	3	3	80	20	100	2
	Practical BSCZOP- 333	Cell Biology and Biotechnology Genetics, Biostatistics, Evolution and Paleontology	4	4	80	20	100	2
Total number of Credits for Core Subject in V Semester: 06								
VI Semester B.Sc.								
Group I Core Subject	Theory BSCZOC- 381	Reproductive Biology and Developmental Biology	3	3	80	20	100	2
	Theory BSCZOC- 382	Environmental Biology, Toxicology and Wildlife Biology	3	3	80	20	100	2
	Practical BSCZOP- 383	Reproductive Biology and Developmental Biology Project work - Environmental Biology, Toxicology and Wildlife Biology	4	4	80	20	100	2
Total number of Credits for Core Subject in VI Semester: 06								
Total number of Credits for Core Subject in I-VI Semesters: 24								

\* Credits for Elective Course will be considered for the entire B.Sc. Programme

  
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Practical: MB 353  
Food, Industrial and Environmental Microbiology  
Instruction hrs/week - 4 hrs

1. Enumeration of bacteria and fungi from soil. ✓
2. Isolation of microbes from air by plate exposure method. ✓
3. Estimation of dissolved oxygen in water. ✓
4. Estimation of BOD in water. ✓
5. Estimation of  $\text{CO}_2$  in water. ✓
6. MBR Test and phosphates test for milk. ✓
7. Standard analysis of water. ✓
8. Isolation and Identification of microbes from spoilt vegetables, fruits, stored foods idly, butter and curd. ✓
9. Estimation of fat, lactose and lactic acid content of milk.
10. Preparation of wine.
11. Mini project work and report shall be submitted for evaluation.

*Dr. S. S. Srinivasan*  
Principal

University College, Mangalore



305  
Practical V MB 307

Agriculture microbiology, Medical Microbiology and Immunology  
Instruction hrs / week - 4hrs

1. Estimation of Organic Carbon by Chromic acid method.
2. Isolation of microorganisms from rhizosphere.
3. Isolation and identification of *Rhizobium* from root nodules
4. Test for ammonification in soil
5. Study of koleroga of arecanut, rust of sorghum, coffee rust, blister blight of tea, citrus canker.
6. Determination of blood group - Antigen antibody reaction.
7. Snyders test for Dental caries.
8. Isolation of microorganisms from skin, mouth and wounds
9. Detection of allergens- pollen count by sticky slide method
10. Study of Tuberculosis, Foot and mouth diseases, *Staphylococcus*, *E.coli*, *Clostridium*, *Candida*, *Aspergillus*, Ring worm diseases.
11. Field trip related to agriculture research institute, hospital, Diagnostic laboratories and submission of report.

*Anasuya*  
Principal

University College, Mangalore

Paper No. HASP: 556

## PROJECT WORK

**Course objective:** This paper aims to provide information to the students to understand the basic skills and basic tools of historical analysis that historians used in research and historical writings

### Course outcome:

- After the completion of course the student's develops interpretation based on different categories of analysis.
- The students will produce their own historical project work which develops their
- The students will learn to distinguish between primary and secondary sources in the field of history, use of proper citation, footnotes etc.

#### • Unit-I

Introduction

#### Unit-II

Archaeology and Literary survey

#### Unit-III

Methodology.

#### Unit-IV

Select Bibliography

Each student has to compulsory submit a project work. (English/Kannada). The project shall be submitted at the end of the course work of the IV semester. It shall consists minimum 25 pages and maximum 50 pages excluding the front pages and bibliography. It shall be typed in A4 size papers, font size 12-14, font type- Times new Roman/Nudi, lines spacing – 1.5 minimum including clear paragraph.

*D. Vasu*

PRINCIPAL  
University College, Mangalore



मंगलूर रिफाइनरी एण्ड पेट्रोकेमिकल्स लिमिटेड  
MANGALORE REFINERY AND PETROCHEMICALS LIMITED

अनुसूची 'अ' के अंतर्गत भारत सरकार का उद्यम SCHEDULE 'A' GOVT. OF INDIA ENTERPRISE.  
(ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लिमिटेड की सहायक कंपनी A SUBSIDIARY OF OIL AND NATURAL GAS CORPORATION LIMITED)  
सीआईएन/CIN : L23209KA1988GO1008959

पंजीकृत कार्यालय : कुत्तेतूर पोस्ट, बाया काटीपल्ला, मंगलूर - 575 030 (भारत) दूरभाष : 0824-2270400, फैक्स : 0824-2271404, E-mail : mrplmtr@mrpl.co.in  
Regd. Office : Kuthethoor P.O. Via Katipalla, Mangaluru - 575 030 (India) Tel. : 0824-2270400 Fax : 0824-2271404 website : www.mrpl.co.in  
आई.एस.ओ. 9001, 14001 एवं 50001 प्रमाणित कंपनी AN ISO 9001, 14001 AND 50001 CERTIFIED COMPANY

MRPL/TRG/Ref.No.19/2021-22  
31<sup>th</sup> July, 2021

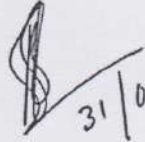
TRG/F/05

**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms. C Pavithra (Reg. No: 193772003)**  
**M.Sc. (Chemistry)** student of **University College, Mangaluru**  
has undergone internship training in our organization from  
19.07.2021 to 31.07.2021.

We wish success in her future endeavours.

**For Mangalore Refinery and Petrochemicals Ltd.,**

  
31/07/2021

**General Manager (HR-Admn.)**

मंगलूर रिफाइनरी एण्ड पेट्रोकेमिकल्स लिमिटेड  
Mangalore Refinery & Petrochemicals Ltd.  
कुत्तेतूर पोस्ट, बाया काटीपल्ला Kuthethur Post, Via Katipalla  
मंगलूर Mangaluru - 575 030

बेंगलूर कार्यालय : प्लॉट नं. A-1, के.एस.एस.आई.डी.सी.-प्रशासनिक कार्यालय भवन के सामने, इंडस्ट्रियल एस्टेट, राजाजीनगर, बेंगलूर - 560 010  
Bengaluru Office : Plot A-1, Opp. KSSIDC A.O. Building, Industrial Estate, Rajajinagar, Bengaluru - 560 010,  
दूरभाष : Tel : (का) 080-22642200, फैक्स Fax : 080 - 23505501  
दिल्ली कार्यालय : कोर-8, 7वीं मंजिल, स्कोप कॉम्प्लेक्स, लोधी रोड, नई दिल्ली-110003 दूरभाष : 011-24306400, फैक्स : 011-24361744  
Delhi Office : Core-8, 7<sup>th</sup> Floor SCOPE Complex, Lodhi Road, New Delhi-110003. Tel.: 011-24306400, Fax: 011-24361744  
मुंबई कार्यालय : मेकर टॉवर, ई विंग, 15वां तल, कफ़ पारेड, मुंबई - 400 005. दूरभाष : 022-22173000, फैक्स : 22173233  
Mumbai Office : Maker Tower, 'E' Wing, 15<sup>th</sup> Floor, Cuffe Parade, Mumbai - 400 005. Tel. : 022-22173000, Fax : 22173233

## CERTIFICATE

This is to certify that the project work entitled **“A STUDY ON COOLING WATER TREATMENT AND ANALYSIS OF QUALITY PARAMETERS”** was carried out by **Ms. C.PAVITHRA** studying in MSc (IV Semester) Chemistry, **Reg No: 193772003**, Department of PG studies in Chemistry, University College. Mangalore. This project work has been submitted to Mangalore University. Mangalore, in partial fulfilment of the requirement for the award of **MASTER OF SCIENCE in CHEMISTRY**. This work has been carried out under the combined guidance of Mrs.Jyothi.H, Manager (QC and R&D) MRPL. Mangalore and Mrs.Mallika, Lecturer, Department of P.G studies in chemistry, University College. Mangalore during the period of 2020-2021 at **MANGALORE REFINERY AND PETROCHEMICALS LTD.(MRPL) KUTHETHOOR, MANGALORE.**

Date: 13-11-2021

Place: Mangalore



Mrs.Mallika

Internal Guide

Dept. of PG studies in chemistry

University College.

Mangalore-575001



Dr.Jaymana.K

The Coordinator

Co - Ordinator  
Dept. of PG studies in chemistry

University College.

Hampankatta, MANGALORE - 1  
Mangalore-575001

## CERTIFICATE

This is to certify that the literature review entitled "IONIC LIQUIDS" has been submitted to Mangalore University in partial fulfilment of the requirement for the award of degree of Master of Science in Chemistry. This literature review has been done by **Ms.CHAITHRA K.** Reg. No. 193772004 (IV semester) under the guidance of **Dr.K.M.Usha**, Associate Professor, Department of PG Studies in Chemistry, University College Mangaluru during 2020-21.

Date: 15/11/2021

Place: Mangaluru

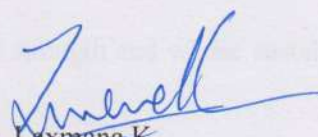
Dr. K.M.Usha

Guide

Dept. of PG Studies in Chemistry

University College

Mangaluru-575001



Dr. Laxmana K

The Coordinator,

Co-Ordinator  
Dept. of PG Studies in Chemistry

PG Studies in Chemistry  
University College

Hampankatta, MANGALORE - 1  
Mangaluru-575001

## Certificate

This is to certify that the literature review entitled “**PYRIMIDINE DERIVATIVES**” is carried out by **Ms. Dhanyashree** studying in MSc(IV Semester) chemistry, **Reg. No. 193772005** Department of PG studies in chemistry , University College , Mangalore. This literature review has been submitted to Mangalore University , Mangalore, in partial fulfilment of the requirement for the award of **MASTER OF SCIENCE in CHEMISTRY**. This work has been carried out under the guidance of **Dr. Laxmana . K** , coordinator, Department of PG studies in chemistry , University College Mangalore during the period of 2020-2021.

Place: Mangalore

Date: 15/11/2021

  
Dr. Laxmana.k

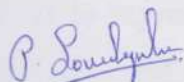
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## Certificate

This is to certify that the literature review entitled “**CONDUCTING POLYMERS**” was carried out by **Ms.Divyashree.A** studying in MSc(IVsemester) Chemistry, **Reg.No.193772006** Department of PG studies in Chemistry, University College, Mangalore. This literature review has been submitted to Mangalore University, Mangalore, in partial fulfilment of the requirement for the award of **MASTER OF SCIENCE in CHEMISTRY**. This work has been carried out under the guidance of Ms.P.Soundaryalaxmi, Lecturer, Department of PG Studies in Chemistry ,University College, Mangalore during the period of 2020-2021.

Place: Mangalore

Date:13/11/2021



Ms.P.Soundaryalaxmi

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Dr. Laxmana.K

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This is to certify that the literature review entitled "BIOGENIC SYNTHESIS OF ZnO NANOPARTICLES USING PLANT EXTRACT AND MICROBES" is carried out by Mr.DURGANANDA SHENOY studying in MSc(IVsemester) Chemistry, Reg.No.193772007 Department of PG studies in Chemistry, University College, Mangalore. This literature review has been submitted to Mangalore University, Mangalore, in partial fulfilment of the requirement for the award of **MASTER OF SCIENCE in CHEMISTRY**. This work has been carried out under the guidance of Ms.P.Soundaryalaxmi, Lecturer, Department of PG Studies in Chemistry, University College, Mangalore during the period of 2020-2021.

Place: Mangalore

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Ms.P.Soundaryalaxmi

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This is to certify that the literature review entitled “**BAYLIS HILLMAN REACTIONS**” is carried out by **Ms. GEETHA S.A** studying in MSc (IV semester) Chemistry, **Reg.No.193772008** Department of PG studies in Chemistry, University College, Mangalore. This literature review has been submitted to Mangalore University, Mangalore, in partial fulfillment of the requirement for the award of **MASTER OF SCIENCE in CHEMISTRY**. This work has been carried out under the guidance of Mr Prashanth.M, Lecturer, Department of PG Studies in Chemistry, University College Mangalore during the period of 2020-2021.

Place: Mangalore

Date: 15/11/2021

  
Prashanth.M

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ACKNOWLEDGEMENT **Certificate**

This is to certify that the literature review entitled "Azo dyes" has been submitted to Mangalore University in partial fulfillment of the requirement for the award of degree of Master of Science in Chemistry. This work is done by Ms.Harshitha.K.G. Reg.No:193772009 (IVsemester) under the guidance of Mr.Prashanth.M, lecturer,Department of PG studies in Chemistry, University College Mangalore during the period 2020-2021.

Date: 10/11/2021

Place: Mangalore



Mr. Prashanth. M.

Lecturer

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Dr. Laxmana K

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This is to certify that the literature review entitled "LIQUID CRYSTALS" has been submitted to Mangalore University in partial fulfilment of the requirement for the award of degree of Master of Science in Chemistry. This review work has done by Kavya Shree Bekal Reg No: 193772010 (IV semester) under the guidance of Ms. P. Soundaryalaxmi .Department of PG Studies in Chemistry, University College, Mangalore during 2020-2021 at University College, Mangalore.

Date:16/11/2021

Place: Mangaluru



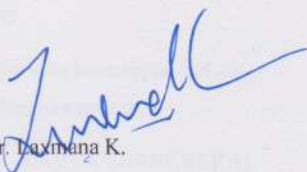
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This is to certify that the literature review entitled "INDOLE DERIVATIVES" has been submitted to Mangalore University in partial fulfilment of the requirement for the award of degree of Master of Science in Chemistry. This work has been done by Ms. MOKSHA. Reg. No. 193772011 (IV Semester) under the guidance of Ms. P. Soundaryalaxmi, Lecturer, Department of PG Studies in Chemistry, University College Mangalore during the period 2020-2021.

Date: 05-11-2021

Place: Mangalore

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This is to certify the literature review entitled "AQUEOUS PHASE REACTIONS" has been submitted to Mangalore University in partial fulfillment of the requirement for the award of degree of Master of Science in Chemistry. This has done by Ms.NALINI Reg.No. 185772012 (IV Semester) under the guidance of Mrs. Mallika , Department of PG Studies in Chemistry, University College Mangalore during 2020-2021 at University College Mangalore.

Date: 15/11/2021

Place: Mangalore

  
Mrs. Mallika

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Dr. Lakshmana K

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## CERTIFICATE

This is to certify that the literature review entitled "protecting groups in organic synthesis" has been submitted to Mangalore University in partial fulfillment of the requirement for the award of degree of Master of Science in Chemistry. This work is done by Ms. Namratha. B. Shetty. Reg.No:193772013 (IVsemester) under the guidance of Mrs. Mallika, lecturer, Department of PG studies in Chemistry, University College Mangalore during the period 2020-2021.

Date: 10/11/2021

Place:Mangalore.



Mrs. Mallika.

Lecturer

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Dr. Lakshana K

Coordinator

Co - Ordinator

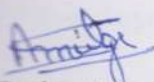
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This is to certify that the literature review entitled "METAL COMPLEXES CONTAINING NITROGEN, OXYGEN AND SULFUR AS DONOR ATOMS" has been submitted to Mangalore University in partial fulfilment of the requirement for the award of degree of Master of Science in Chemistry. This work has been done by Ms. NISHA Reg.No. 193772015 (IV Semester) under the guidance of Dr. Sanjay Annarao Department of PG Studies in Chemistry, University College Mangaluru during 2020-2021.

Date: 15-11-2021

Place: Mangaluru



Dr. Sanjay Annarao

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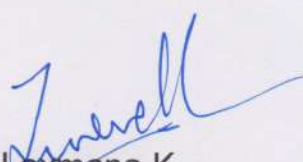
This is to certify that the literature review entitled "C-H ACTIVATION REACTIONS" is carried out by Mr. PAVAN KUMAR D. studying in MSc(IV Semester) Chemistry, Reg. No: 193772016 Department of PG studies in Chemistry, University College, Mangalore. This literature review has been submitted to Mangalore University, Mangalore, in partial fulfilment of the requirement for the award of MASTER OF SCIENCE in CHEMISTRY. This work has been carried out under the guidance of Mrs. Mallika, Lecturer, Department of PG Studies in Chemistry, University College Mangalore during the period of 2020-2021.

Place: Mangalore

Date: 15/11/2021

  
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## ACKNOWLEDGEMENT

It is a great pleasure for me to take this opportunity to express my sincere appreciation to all people who helped me in the completion of this project. My training would not have been so successful without the assistance of the following individuals.

## CERTIFICATE

This is to certify that the industrial project report entitled "**Studies on importance of additives in polypropylene stability**" has been submitted to Mangalore University, Mangalagangothri in partial fulfillment of the requirement for the award of degree of Master of Science in Chemistry. This work is done by **Ms.Pavithra.K** Reg.No. 193772017 (IV Semester) under the combined guidance and supervision of **Dr.Sampath Kumar**, Asst.Manager, Polymer laboratory and R&D centre, MRPL and **Dr.K.M.Usha**, Assoc.Professor, Department of PG Studies in Chemistry, University College Mangaluru during the period 2020-2021 at Mangalore Refinery and Petrochemicals Limited, Mangalore.

Place: **Mangalore**

Date: **13.11.2021**

**Dr.K.M.Usha**

Associate Professor

Dept.of PG Studies in Chemistry

University College

Mangaluru - 575001

**Dr.Laxmana.K**

The Coordinator

Co - Ordinator

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This is to certify that **Ms. Pavithra K (Reg. No: 193772017)**  
**M.Sc. (Chemistry)** student of **University College, Mangaluru**  
has undergone internship training in our organization from  
19.07.2021 to 31.07.2021.

We wish success in her future endeavours.

**For Mangalore Refinery and Petrochemicals Ltd.,**

  
31/07/2021

**General Manager (HR-Admn.)**

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Mumbai Office : Maker Tower, 'E' Wing, 15<sup>th</sup> Floor, Cuffe Parade, Mumbai - 400 005. Tel. : 022-22173000, Fax : 22173233


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This is to certify that the literature review entitled "CORROSION STUDIES" has been submitted to Mangalore University in partial fulfillment of the requirement for the award of degree of Master of Science in Chemistry. This has been done by **Ms. POOJA** Reg.No. **193772018** (IV Semester) under the guidance of Mr. Prashanth M. lecturer, Department of PG Studies in Chemistry, University College Mangaluru during 2020-2021.

Date: 15/11/2021

Place: Mangaluru

Mr. Prashanth M.  
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Dr. Laxmana K  
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## ACKNOWLEDGMENT

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This is to certify that the literature review entitled "NON STEROIDAL ANTIINFLAMMATORY DRUGS" has been submitted to Mangalore University in partial fulfilment of the requirement for the award of degree of Master of Science in Chemistry. This review work has done by Ms. BHAVYASHREE K, Reg.No. 193772002(IV Semester) under the guidance of Mrs. Mallika, Department of PG Studies in Chemistry, University College, Mangaluru.

Date: 16/11/2021

Place: Mangaluru



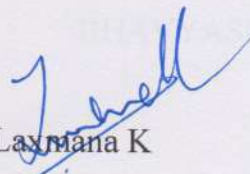
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This is to certify that the literature review entitled "BIGINELLI REACTIONS" has been submitted to Mangalore University in partial fulfilment of the requirement for the award of degree of Master of Science in Chemistry. This work has been done by Ms. Amrutha Reg. No. 193772001 (IV Semester) under the guidance of Mr. Prashanth. M Lecturer, Department of PG Studies in Chemistry, University College Mangaluru during 2020-2021.

Date: 16/11/2021

Place: Mangaluru

  
Mr. Prashanth. M

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This is to certify that the literature review entitled "solvent free organic reactions" has been submitted to Mangalore University in partial fulfilment of the requirement for the award of degree of Master of science in Chemistry. This has been done by Ms. SANMITHA KUMARI Reg. No: 193772019 under guidance of Mr. Prashanth M. lecturer, Department of PG Studies in Chemistry, University College Mangalore during 2020-2021.

Date: 15/11/2021

Place: Mangalore

Mr. Prashanth M.

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This is to certify that the literature review entitled “**MICROWAVE ASSISTED CHALCONE SYNTHESIS**” has been submitted to Mangalore university in partial fulfilment of the requirement for the award of degree of master of science in chemistry. This literature review work has been done by Ms. Sharanya, Reg. No. : 193772020 (IV Semester) under the guidance of Dr. Laxmana K., Department of PG Studies in Chemistry, University College, Mangalore during 2020-2021 at University College Mangalore.

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ACKNOWLEDGMENT

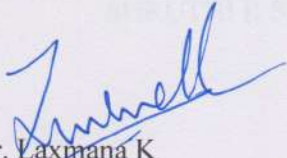
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This is to certify that the literature review entitled "SCHIFF BASE METAL COMPLEXES" has been submitted to Mangalore University in partial fulfilment of the requirement for the award of degree of Master of Science in Chemistry. This work has been done by Ms. SHRUTHI R SHETTY Reg.No.193772021 (IV Semester) under the guidance of Dr. Sanjay Annarao Department of PG Studies in Chemistry, University College Mangaluru during 2020-2021.

Date:15-11-2021

Place: Mangaluru

Dr.Sanjay Annarao  
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Ref: UC/COM/P.W.C/ /2020-21

Date: 19/10/2021

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Dr. Yathish Kumar  
Coordinator

This is to certify that **Ms. Anjali Vijay** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in "ENTREPRENEURSHIP V/S EMPLOYMENT - A COMPARATIVE AND PERCEPTIONAL STUDY WITH REFERENCE TO MANGALURU CITY" under the guidance of **Dr. Yathish Kumar**, Associate Professor, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **APOORVA K G** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in "ROLE OF MODERN TECHNOLOGY IN RURAL DEVELOPMENT: A STUDY OF SELECTED VILLAGES OF CHIKKAMAGALURU DISTRICT" under the guidance of **Dr. Yathish Kumar**, Associate Professor, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **Ms. Arpitha** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in "CUSTOMER PERCEPTION AND SATISFACTION TOWARDS INTERNET BANKING- A STUDY IN KASARAGOD DISTRICT" under the guidance of **Dr. A. Siddiq**, Associate Professor, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **Mr. ASHITH K** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. He has undertaken a dissertation work on "IMPACT OF COVID - 19 PANDEMIC ON ONLINE PAYMENT APPLICATION - A STUDY WITH REFERENCE TO MANGALURU CITY" under the guidance of **Dr. A. Siddiq**, Associate Professor, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **DEEKSHITH H R** is a bonafied student of Fourth Semester M.Com course (2019-2021 batch) in the Department of PG Studies in Commerce, University College, Mangalore. He has undergone Dissertation work in **MASS MEDIA** and prepared the Dissertation report titled "**A STUDY ON INFLUENCE OF MASS MEDIA ON YOUTHS WITH SPECIAL REFFERENCE TO MANGALORE CITY**" under the guidance of **Dr. M.A. UDAY KUMAR**, Professor of Department of PG Studies in Commerce, University College, Mangalore, in partial fulfilment of the requirement for the award of the Degree of Master of Commerce of Mangalore University.



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This is to certify that Ms. G SNEHA PAI is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in “OTT PLATFORM – NEXT GENERATION ENTERTAINMENT’ A STUDY ON PREFERENCE AND PERCEPTION OF THE YOUTH WITH REFERENCE TO MANGALORE CITY” under the guidance of Mrs. SAMEEKSHA K V, Lecturer, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **Ms. GAUTHAMI** bearing Register No **193771030** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of PG Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work on **Retail Sale Businesses of Mangaluru city** and prepared the dissertation report titled **“IMPACT OF ON-LINE MARKETING ON CONVENTIONAL RETAILERS – A STUDY WITH REFERENCE TO THE RETAIL SALE BUSINESSES IN MANGALURU CITY”** under the guidance of **Dr. SUBHASHINI SRIVATSA**, Associate Professor, Department of PG Studies in Commerce, University College, Mangalore in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **Ms. Jasmine Melitha Rego** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College Mangalore. She has undertaken a dissertation work on the topic "**CUSTOMER SATISFACTION TOWARDS BHARTI AIRTEL LIMITED- A STUDY WITH REFERENCE TO MANGALURU CITY**" under the guidance of **Ms. Harshitha**, Lecturer, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

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This is to certify that Ms. M MADHURA is a bonafide student of Fourth Semester M. Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work on the topic "CONSUMERS ATTITUDE AND BUYING BEHAVIOUR TOWARDS SOFT DRINKS - A STUDY WITH REFERENCE TO MANGALURU CITY" under the guidance of MRS. SHEETHAL K, Faculty, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **Ms. Malashree** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work on the topic **“PERCEPTION OF FACULTY TOWARDS ONLINE TEACHING – A STUDY WITH REFERENCE TO MANGALURU CITY”** under the guidance of **Mrs. Sheethal K**, Faculty, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that Ms. NISHMITHA is a bonafide student of Fourth Semester M.Com course (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undergone dissertation work on "WOMEN SAVINGS ACCOUNT- A PERCEPTIONAL STUDY OF WOMEN IN MANGALORE CITY" under the guidance of Mrs. SAMEEKSHA K V, Lecture Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that Ms. POOJA NAGESH is a bonafide student of Fourth Semester M.Com course (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undergone project work on "CUSTOMERS PREFERENCE TOWARDS 'COUPON CODE' BASED PROMOTIONAL ACTIVITIES - A STUDY WITH REFERENCE TO MANGALORE CITY." under the guidance of Mr. RAJESH A S Faculty, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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(ನ್ಯಾಕ್ "ಎ" ಶ್ರೇಣಿ ಮತ್ತು ಯುಜಿಸಿಯಿಂದ ಶ್ರೇಷ್ಠತಾ ಸಾಮರ್ಥ್ಯದ ಸಂಸ್ಥೆ ಮಾನ್ಯತೆ ಪಡೆದಿದೆ)

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ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು 575001.

Phone: 0824-2440460, Email: [pgunicom@gmail.com](mailto:pgunicom@gmail.com)

Ref: UC/COM/P.W.C/2020-21

Date: 26-10-2021

### CERTIFICATE

Dr. Yathish Kumar  
Coordinator

This is to certify that **MR. PRAMOD** is a bonafide student of Fourth Semester M.Com programme (2020-2021 Batch) in the Department of PG Studies in Commerce, University College, Mangalore. He has undergone a dissertation work in "AN EMPIRICAL STUDY ON CUSTOMER SATISFACTION AND PREFERENCES TOWARDS ONLINE FOOD DELIVERING APPLICATIONS WITH REFERENCE TO MANGALORE CITY" under the guidance of Mr. RAJESH A S, Faculty, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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## CERTIFICATE

Dr. Yathish Kumar  
Coordinator

This is to certify that Ms. PRATHIKSHA is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of PG Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in "CONSUMERS PERCEPTION AND PREFERENCES TOWARDS IDEAL ANDHANGYO ICE CREAMS-A COMPARATIVE STUDY WITH REFERENCE TO MANGALURU CITY under the guidance of MR. RAJESH A.S Faculty, department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

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(ನ್ಯಾಕ್ "ಎ" ಶ್ರೇಣಿ ಮತ್ತು ಯುಜಿಸಿಯಿಂದ ಶ್ರೇಷ್ಠತಾ ಸಾಮರ್ಥ್ಯದ ಸಂಸ್ಥೆ ಮಾನ್ಯತೆ ಪಡೆದಿದೆ)

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### CERTIFICATE

Dr. Yathish Kumar  
Coordinator

This is to certify that **Ms. Ramya Kumari B** is a bonafide student of Fourth Semester M. Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work on the topic **“USAGE OF DIGITAL BANKING BY RURAL POPULATION- A STUDY WITH REFERENCE TO RURAL AREAS OF SULLIA TALUK”** under the guidance of **Ms. Harshitha**, Lecturer, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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Dr. Yathish Kumar  
Coordinator

This is to certify that Ms. S DEEKSHA PRABHAKAR is a bonafide student of Fourth Semester M.Com Program (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undergone a dissertation work in "PERCEPTION AND AWARENESS OF GENERAL PUBLIC TOWARDS SECONDARY SHARE MARKET AND ONLINE TRADING PLATFORMS – A STUDY WITH REFERENCE TO MANGALURU CITY" under the guidance of Mrs. VIBHA B JAIN, Faculty, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **Mr. SAGAR K** is a bonafide student of Fourth Semester M. Com Program (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. He has undergone a dissertation work in “ELECTONIC VEHICLES-THE FUTURE OF TRANSPORTATION: A PERCEPTIONAL STUDY WITH REFERENCE TO THE RESIDENTS OF MANGALORE CITY” under the guidance of Mrs. VIBHA B JAIN faculty, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfilment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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Dr. Yathish Kumar  
Coordinator

This is to certify that Ms. SAHANA S is a bonafide student of Fourth Semester M.Com program (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undergone a dissertation work in "IMPACT OF WORK FROM HOME CULTURE ON PRIVATE SECTOR EMPLOYEES - A STUDY WITH REFERENCE TO RESIDENTS OF MANGALURU CITY" under the guidance of Mrs. VIBHA B JAIN, Faculty, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು,  
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Date: 26.10.21

## CERTIFICATE

Dr. Yathish Kumar  
Coordinator

This is to certify that Ms. SAKSHI R NAIK is a bonafide student of Fourth Semester M.Com programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undergone Dissertation work on "PROBLEMS AND PROSPECTS OF ELECTRONIC BANKING SERVICES AMONG CUSTOMERS- A STUDY WITH REFERENCE TO MANGALURU CITY." under the guidance of Mrs. RAMYA K.R Faculty, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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# The Central Arecanut & Cocoa Marketing & Processing Co-operative Ltd.

P. B. No. 223, Varanashi Towers, Mission Street, Mangaluru - 575 001, Karnataka

HRD/PC-06A/10/2021-22

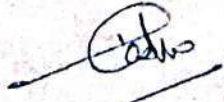
13.10.2021

## C E R T I F I C A T E

This is to certify that Ms. SANGEETHA K G (Reg No. 193771086), M. Com Student of Department of P G Studies in Commerce, University College, Mangalore has done her Project work in our Organization, entitled, "EMPLOYEES PERCEPTION TOWARDS HUMAN RESOURCE MANAGEMENT PRACTICES - A STUDY WITH REFERENCE TO THE CAMPCO LTD., MANGALURU" for a period of six months from 13.04.2021 to 13.10.2021.

Her performance & conduct during the project work was good.



  
General Manager  
The Campco Ltd., Mangaluru

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## CERTIFICATE

Dr. Yathish Kumar  
Coordinator

This is to certify that Ms. SHEETHAL D M is a bonafide student of Fourth Semester M. Com programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in **CUSTOMERS' PERCEPTION AND PREFERENCE TOWARDS FAST MOVING CONSUMER GOODS – A STUDY WITH REFERENCE TO MANGALURU CITY** under the guidance of Ms. C LAHARI, Lecturer, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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## CERTIFICATE

Dr. Yathish Kumar  
Coordinator

This is to certify that Ms. Shridhanya is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in **CUSTOMERS' PERCEPTION TOWARDS ELECTRONIC PAYMENT SYSTEM- A STUDY WITH REFERENCE TO MANGALURU CITY** under the guidance of Ms. C Lahari, Lecturer, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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Dr. Yathish Kumar

Coordinator

This is to certify that Ms. SONIA is a bonafide student of Fourth Semester M.Com programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undergone dissertation work on "STRESS MANAGEMENT OF WOMEN EMPLOYEES IN PRIVATE SECTOR – A STUDY IN MANGALORE CITY." under the guidance of Mrs. RAMYA K.R, faculty, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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Date: 26.10.21

## CERTIFICATE

Dr. Yathish Kumar  
Coordinator

This is to certify that **Ms. Soujanya B R** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in **“ROLE OF ASHA WORKERS DURING COVID-19 PANDEMIC. A STUDY WITH REFERENCE TO THE SELECTED PRIMARY HEALTH CENTERS OF MANGALURU CITY”** under the guidance of Mrs. Rovina Sharon Soans, lecturer, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **Ms. Sowmya K** is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. She has undertaken a dissertation work in **“IMPACT OF COVID-19 ON CONSUMERS BUYING BEHAVIOUR TOWARDS INTERNET MARKETING - A STUDY WITH REFERENCE TO MANGALORE CITY”** under the guidance of **Mrs. Rovina Sharon Soans**, Lecturer, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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Tel : 08258-274329 (O)  
Mobile : 7353762075, 9148077969  
E-mail : sarala.mill@yahoo.com  
Website : www.saralawood.com

Ref. No. :

Date : 22/07/2021

**TO WHOM IT MAY CONCERN**

This is to certify that **Sujana** , a student of Final M.com, Reg.No. 193771105, University College Mangalore , has successfully completed one month Dissertation program in our organization, topic “ **A Study of Financial Performance Analysis and Employee Satisfaction**” with special reference to Sarala Wood Industries , Nandalike ,Karkala , Udupi District. During the period of her Dissertation program with us she was found punctual, hardworking and inquisitive.

We wish her all the best in future.

For Sarala Saw Mill & Wood Industries



Proprietor

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(ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಘಟಕ ಕಾಲೇಜು)

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Phone: 0824-2440460, Email: [pgunicom@gmail.com](mailto:pgunicom@gmail.com)

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This is to certify that Ms. SWATHI K S is a bonafide student of Fourth Semester M.Com programme (2020-2021 Batch) in the Department of PG Studies in Commerce, University College, Mangalore. She has undergone a dissertation work in "CONSUMER BEHAVIOUR TOWARDS 'MADE IN INDIA' PRODUCTS - A STUDY WITH REFERENCE TO MANGALURU CITY" under the guidance of Mrs. SAMEEKSHA K V, Lecturer, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that Mr. TALAVARA VINAYA is a bonafide student of Fourth Semester M.Com Programme (2020-2021 Batch) in the Department of PG Studies in Commerce, University College, Mangalore. He has undergone a dissertation work in "CONSUMER PREFERENCE AND SATISFACTION TOWARDS AYURVEDIC PRODUCTS – A STUDY WITH REFERENCE TO MANGALORE CITY" under the guidance of Ms. HARSHITHA, Lecturer, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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This is to certify that **Mr. VIGNESH M G BHAT** is a bonafide student of Fourth Semester M.Com programme (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, and Mangalore. He has undergone a dissertation work in **"ROLE OF SOCIAL MEDIA IN PROMOTING TOURIST DESTINATION - A STUDY WITH REFERENCE TO MANGALORE"** under the guidance of **Ms. HARSHITHA** Lecturer, Department of P G Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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(ನ್ಯಾಕ್, “ಏ” ಶ್ರೇಣಿ ಮತ್ತು ಯುಜಿಸಿಯಿಂದ ಶ್ರೇಷ್ಠತಾ ಸಾಮರ್ಥ್ಯದ ಸಂಸ್ಥೆ ಮಾನ್ಯತೆ  
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This is to certify that Mr. VINAYAKA S is a bonafide student of Fourth Semester M.Com course (2020-2021 Batch) in the Department of P G Studies in Commerce, University College, Mangalore. He has undergone a dissertation work in “ROLE OF SELF HELP GROUP IN SOCIO-ECONOMIC DEVELOPMENT OF WOMEN – A STUDY WITH REFERENCE TO PUTTUR TALUK” under the guidance of Mrs RAMYA K R, Faculty, Department of PG Studies in Commerce, University College, Mangalore, in partial fulfillment of the requirement for the award of the degree of Master of Commerce of Mangalore University.

  
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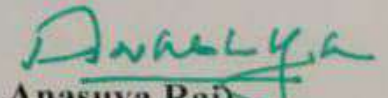
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This is to certify that **Ms. A.S. POOJA** is a bonafide student of the Department of P.G studies in Economics. She has prepared this project report entitled "**A STUDY ON SOCIO – ECONOMIC STATUS OF SCHEDULED CASTE COMMUNITY IN MANGALORE TALUKU**" under the guidance of **Dr. JAYAVANTHA NAYAK**, Associate professor, Department of P.G studies in Economics, University College, Mangalore in partial fulfilment of the requirement for the award of Master's degree in Economics of Mangalore University.

  
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(Dr. Anasuya Rai)

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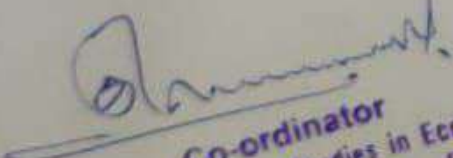
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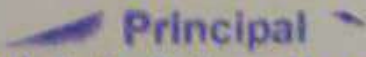
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This is to certify that **Ms. Apsana** is a bonafide student of Department of P.G Studies in Economics. She has prepared this project report entitled "**Role of Cooperative Societies in Financial Inclusion: A Study on Rural Households of Mangalore Taluk**" under the guidance of **DR. JAYAVANTHA NAYAK**, Associate professor, Department of P.G studies in Economics, University College, Mangaluru in partial fulfilment of the requirement for the award of Master's degree in Economics of Mangalore University.

  
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This is to certify that Mrs. JUVAIRA MUNAVARA is a bonafide student of the Department of P.G Studies in Economics. She has prepared this project report entitled "WOMEN EMPOWERMENT THROUGH PANCHAYAT RAJ SYSTEM: A STUDY ON BOLIYAR GRAMA PANCHAYAT MANGALORE TALUK " under the guidance of DR. JAYAVANTHA NAYAK, Associate Professor, Department of P.G studies in Economics, University College, Mangaluru in partial fulfillment of the requirement for the award of Master's degree in Economics of Mangalore University.

A handwritten signature in blue ink, appearing to be "S. Jayavanthanayak", written over a horizontal line.

**Co-ordinator**

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A handwritten signature in green ink, appearing to be "Anasuya Rai", written over a horizontal line.  
( Dr. ANASUYA RAI )

**Principal**

**Principal**  
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This is to certify that Mr. MANUEL VINEETH DSOUZA is a bonafide student of Department of P.G studies in Economics. He has prepared this project report entitled "BUSINESS PERFORMANCE ANALYSIS OF THE CAMPCO CHOCOLATE FACTORY" under the guidance of DR.RAMAKRISHNA B.M, Associate professor, Department of P.G studies in Economics, University College, Mangaluru in partial fulfilment of the requirement for the award of Master's degree in Economics of Mangalore University.

*(Signature)*

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*(Signature)*

(DR.ANASUYA RAI)

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This is to certify that MEGHASHREE is a bonafide student of the Department of P.G studies in Economics. She has prepared this project report entitled “**SOCIO-ECONOMIC STATUS OF CONSTRUCTION WORKERS-A STUDY IN MANGALORE TALUKU**” under the guidance of DR. RAMAKRISHNA B.M, Associate professor, Department of P.G studies in Economics, University College, Mangalore in partial fulfilment of the requirement for the award of master's degree in Economics of Mangalore University.

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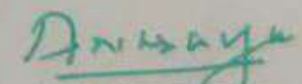
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This is to certify that Ms.NAYANASHREE. K is a bonafide student in the Department of P.G Studies in Economics. She has prepared this project entitled **“A study on role of weekly market in rural development-A case study on Mangalore taluk”** under the guidance of Dr. Ramakrishna B.M Associated Professor of the Department of P.G Studies in Economics, University College , Mangalore in partial fulfillment of the requirement for the award for Master's degree in economics of Mangalore University.

  
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This is to certify that **Ms. Preema Dsouza** is a bonafide student in the Department of P.G Studies in Economics. She has prepared this project report entitled **“CAREER OPPORTUNITIES AND CHALLENGES FACED BY WOMEN EMPLOYEES IN HOSPITALITY INDUSTRY.- A CASE STUDY OF MANGALORE CITY.”** Under the guidance of Dr. Ramakrishna B.M Associate Professor Department of P.G studies in economics, University College Mangalore in partial fulfillment of the requirements for the award of Master's degree in Economics of Mangalore University.

A handwritten signature in blue ink, appearing to be 'Preema Dsouza'.

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A handwritten signature in green ink, appearing to be 'Anasuya Rai'.  
**DR. ANASUYA RAI**

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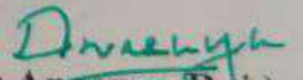


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This is to certify that **Ms. SONAL RAO. P** is a bonafide student of Department of P.G studies in Economics. She has prepared this project report entitled **“ROLE OF MGNREGA IN WOMEN EMPOWERMENT- A STUDY IN MANJESHWARA TALUK, KASARAGOD DISRICT”** under the guidance of **MRS. SHAMA I.N.M**, Faculty Member of Department of P.G studies in Economics, University College, Mangalore in partial fulfilment of the requirement for the award of Master's degree in Economics of Mangalore University.

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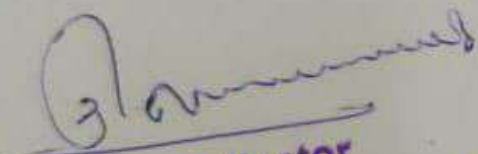
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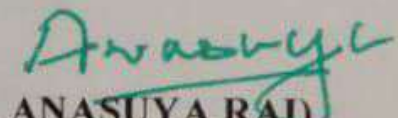


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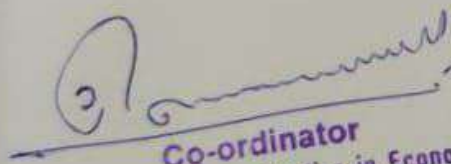
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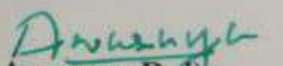


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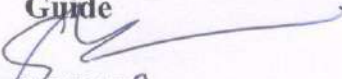
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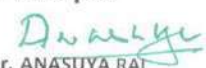
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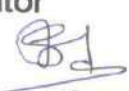
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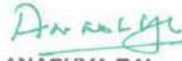
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This is to certify that the dissertation entitled Bharath-Pak vibhajan ki thrasadi – Ek dard (भारत-पाक विभाजन की त्रसदी 'एक दर्द') submitted by sneha bearing reg.No.193771815 is partial fulfillment of the requirement for the award of Post - Graduate degree in Hindi is a bonafide work carried out by her under my supervision and guidance of Dr.SUMA T.R

As far as I know the dissertation has not been submitted previously in part or full to this university or any other university or institution for the award of any degree or diploma.

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Date : 12.10.2021

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This is to certify that the dissertation entitled **KARNATAKA KI LOKHKALA:YAKSHAGANA**(कर्नाटक की लोककला: यक्षगान) submitted by **VATHSALA.K** bearing reg.No.193771816 is partial fulfillment of the requirement for the award of Post - Graduate degree in Hindi is a bonafide work carried out by her under my supervision and guidance of Dr.sumanT.R.

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ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ


ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು - ಮಂಗಳೂರು

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

**“ಕನ್ನಡ ಭಾಷಾ ಹೋರಾಟಗಾರರಾಗಿ ಕಯ್ಯಾರ ಕಿಲ್ಲಾಣ್ಣ ರೈಯವರ ಒಂದು ಅಧ್ಯಯನ”**  
ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು **ಮಹೇಶ್ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771404)** ಇವರು  
ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ  
ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು  
ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು  
ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

  
ಡಾ| ಕುಮಾರಸ್ವಾಮಿ ಎಂ.

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ತುಳುನಾಡಿನ ಇತಿಹಾಸ ಬರವಣಿಗೆಗೆ ಪಾಡ್ಡನಗಳ ಮಹತ್ವ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು ದಿನೇಶ ಎಂ. (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771401) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

A handwritten signature in blue ink, likely of the author or a representative of the institution.

ಡಾ| ಗಣಪತಿ ಗೌಡ

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾಲಯ

ಡಾ. ಗಣಪತಿ ಗೌಡ ಎಸ್.  
ಸಂಯೋಜಕರು

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

## ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ

“ನಾರಾಯಣಗುರು ಸುಧಾರಣೆಗಳಿಂದ ಮಂಗಳೂರು ನಗರದ ಧಾರ್ಮಿಕ ಕ್ಷೇತ್ರಗಳ  
ಮೇಲೆ ಆದ ಪ್ರಭಾವ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಾರ್ಯಯೋಜನೆಯನ್ನು ಗೀತಾ  
(ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771402) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ  
ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ  
ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ.  
ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾಲಯಕ್ಕೆ  
ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು  
ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

ಡಾ| ಕುಮಾರಸ್ವಾಮಿ ಎಂ

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ

ಮತ್ತು

ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ

ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು

ಮಂಗಳೂರು - 575001

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ಸಾಮಾಜಿಕ ಚಿಂತಕ ಕುದ್ಮುಲ್ ರಂಗರಾವ್ - ಒಂದು ಅಧ್ಯಯನ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು ಕಾವ್ಯ ಕೆ. ಎಂ.(ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771403) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

*M.M.*

ಡಾ| ಮೀನಾಕ್ಷಿ ಎಂ. ಎಂ.

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು - ಮಂಗಳೂರು

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ದಕ್ಷಿಣಕನ್ನಡದ ಶಾಸನಗಳ ಒಂದು ಐತಿಹಾಸಿಕ ಅಧ್ಯಯನ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಾರ್ಯ ಯೋಜನೆಯನ್ನು **ಮಹೇಶ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771406)** ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಅಂತಿಮ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

*M. M. M.*

ಡಾ| ಮೀನಾಕ್ಷಿ ಎಂ.ಎಂ

ಮಾರ್ಗದರ್ಶಕರು



ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ ಮಂಗಳಗಂಗೋತ್ರಿ,  
ವಿಶ್ವವಿದ್ಯಾಲಯ ಕಾಲೇಜು ಮಂಗಳೂರು,  
ಸ್ನಾತಕೋತ್ತರ ಕೇಂದ್ರ ಹಂಪನಕಟ್ಟೆ-೫೭೫೦೦೧

## ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣಪತ್ರ

“ಶ್ರೀ ಬಪ್ಪನಾಡು ದುರ್ಗಾಪರಮೇಶ್ವರಿ ದೇವಾಲಯದ ಸಾಂಸ್ಕೃತಿಕ ಅಧ್ಯಯನ” ಎಂಬ ಕಿರು ಪ್ರಬಂಧವನ್ನು ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾಲಯ ಮಂಗಳಗಂಗೋತ್ರಿ, ವಿಶ್ವವಿದ್ಯಾಲಯ ಕಾಲೇಜು ಮಂಗಳೂರು, ಸ್ನಾತಕೋತ್ತರ ಕೇಂದ್ರ, ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿಗಾಗಿ ಮಹೇಶ ಅವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಈ ಕಿರು ಪ್ರಬಂಧವು ಮೂಲವಾಗಿದ್ದು, ಈ ಮೊದಲು ಈ ಕಿರು ಪ್ರಬಂಧವನ್ನು ಎಲ್ಲಿಯೂ, ಯಾವುದೇ ಪದವಿಗಾಗಿ ಸಲ್ಲಿಸಿರುವುದಿಲ್ಲವೆಂದು ಪ್ರಮಾಣೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

ಮಾರ್ಗದರ್ಶಕರು

ಡಾ. ಗಣಪತಿಗೌಡ

ಪ್ರಾಧ್ಯಾಪಕರು,

ಇತಿಹಾಸ ಮತ್ತು ಅಧ್ಯಯನ ವಿಭಾಗ,

ವಿಶ್ವವಿದ್ಯಾಲಯ ಕಾಲೇಜು ಮಂಗಳೂರು,

ಸ್ನಾತಕೋತ್ತರ ಕೇಂದ್ರ ಹಂಪನಕಟ್ಟೆ-೫೭೫೦೦೧



ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಡಾ. ಗಣಪತಿ ಗೌಡ ಎಸ್.  
ಸಂಯೋಜಕರು

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ಸಾಮಾಜಿಕ-ರಾಜಕೀಯ ಪರಿವರ್ತನೆಯಲ್ಲಿ ಡಾ. ಬಿ. ಆರ್ ಅಂಬೇಡ್ಕರ್‌ರವರ ಪಾತ್ರ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು ಮಣಿಕಂಠ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771407) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

ಡಾ| ಗಣಪತಿ ಗೌಡ

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಡಾ. ಗಣಪತಿ ಗೌಡ ಎಸ್.  
ಸಂಯೋಜಕರು

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ಕಾಸರಗೋಡು ಜಿಲ್ಲೆಯ ಪ್ರಮುಖ ದೇವಾಲಯಗಳ ಸಾಂಸ್ಕೃತಿಕ ಅಧ್ಯಯನ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು ಪ್ರಮೋದ್ ಕುಮಾರ್ ಯನ್ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771410) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

ಡಾ| ಕುಮಾರ್ ಸ್ವಾಮಿ ಎಂ.  
ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು - ಮಂಗಳೂರು

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ದಕ್ಷಿಣಕನ್ನಡದ ಐತಿಹಾಸಿಕ ಕೋಟೆಗಳ ಅಧ್ಯಯನ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಾರ್ಯಯೋಜನೆಯನ್ನು ರಾಜೇಶ್ ಎನ್.ಕೆ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771411) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಅಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

*Dr. M. N. M.*

ಡಾ| ಮೀನಾಕ್ಷಿ ಎಂ.ಎಂ

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಡಾ. ಗಣಪತಿ ಗೌಡ ಎಸ್.  
ಸಂಯೋಜಕರು

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ಮಂಗಳೂರಿನ ಶೈಕ್ಷಣಿಕ ಕ್ಷೇತ್ರದಲ್ಲಿ ಕ್ರೈಸ್ತ ಮಿಷನರಿಗಳ ಪಾತ್ರ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು ರಂಜಿತ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771412) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಅಂತಿಮ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

ಡಾ. ಗಣಪತಿ ಗೌಡ

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಡಾ. ಗಣಪತಿ ಗೌಡ ಎಸ್.  
ಸಂಯೋಜಕರು

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

## ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ

“ಸ್ನಾತಂತ್ರ್ಯ ಪೂರ್ವದ ಮಂಗಳೂರಿನ ಪ್ರಸಿದ್ಧ ಚರ್ಚುಗಳ ಇತಿಹಾಸ ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು ರೋಶನ್ ಡಿಸೋಜ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771413) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಅಂತಿಕೆ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

  
ಡಾ. ಗಣಪತಿ ಗೌಡ

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ಸಕಲೇಶಪುರದ ಐತಿಹಾಸಿಕ ಸ್ಮಾರಕಗಳ ಒಂದು ಅಧ್ಯಯನ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಾರ್ಯಯೋಜನೆಯನ್ನು ಸ್ಪೂರ್ತಿ ಬಿ.ಡಿ. (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771414) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

*M. M. M.*

ಡಾ| ಮೀನಾಕ್ಷಿ ಎಂ. ಎಂ.

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಡಾ. ಗಣಪತಿ ಗೌಡ ಎಸ್.  
ಸಂಯೋಜಕರು

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

## ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ

“ಮಂಗಳೂರಿನಲ್ಲಿ ಐತಿಹಾಸಿಕ ಪ್ರವಾಸೋದ್ಯಮ ಸಾಧ್ಯತೆಗಳು” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು **ಡಾ. ಗಣಪತಿ ಗೌಡ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771415)** ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

A handwritten signature in blue ink, appearing to be 'Ganapati Gowda'.

ಡಾ. ಗಣಪತಿ ಗೌಡ

ಮಾರ್ಗದರ್ಶಕರು

ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಡಾ. ಗಣಪತಿ ಗೌಡ ಎಸ್.  
ಸಂಯೋಜಕರು

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

## ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ

“ಕರಾವಳಿ ಪ್ರದೇಶದ ಸ್ವಾತಂತ್ರ್ಯ ಹೋರಾಟಗಾರ ಕಾರ್ನಾಡು ಸದಾಶಿವರಾಯರು” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು ತುಳಸಿ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771416) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ :

ಡಾ| ಗಣಪತಿ ಗೌಡ

ಮಾರ್ಗದರ್ಶಕರು



ಮಂಗಳೂರು



ವಿಶ್ವವಿದ್ಯಾನಿಲಯ

ಡಾ. ಗಣಪತಿ ಗೌಡ ಎಸ್.  
ಸಂಯೋಜಕರು

ಸ್ನಾತಕೋತ್ತರ ಇತಿಹಾಸ  
ಮತ್ತು  
ಪುರಾತತ್ವ ಅಧ್ಯಯನ ವಿಭಾಗ  
ವಿಶ್ವವಿದ್ಯಾನಿಲಯ ಕಾಲೇಜು  
ಮಂಗಳೂರು - 575001

**ಮಾರ್ಗದರ್ಶಕರ ಪ್ರಮಾಣ ಪತ್ರ**

“ತುಳುನಾಡಿನ ಅರಸು ಮನೆತನಗಳಲ್ಲಿ ವಿಟ್ಟಾದ ಡೊಂಬ ಹೆಗ್ಗಡೆ ಅರಸು ಮನೆತನ” ಎಂಬ ಶೀರ್ಷಿಕೆಯ ಕಿರು ಪ್ರಬಂಧವನ್ನು ವಿತೇಶ್ ಕುಮಾರ್ (ನೋಂದಣಿ ಸಂಖ್ಯೆ 193771417) ಇವರು ನನ್ನ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಇತಿಹಾಸ ಮತ್ತು ಪುರಾತತ್ವ ಶಾಸ್ತ್ರ ಅಧ್ಯಯನ ವಿಭಾಗದಲ್ಲಿ ಎಂ.ಎ ಪದವಿ ಆಂಶಿಕ ಅವಶ್ಯಕತೆಗಾಗಿ ಮಂಗಳೂರು ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಒಪ್ಪಿಸಲು ಸಿದ್ಧಪಡಿಸಿದ್ದಾರೆ. ಇದನ್ನು ಈ ಹಿಂದೆ ಯಾವುದೇ ಪದವಿ ಡಿಪ್ಲೋಮಾಕ್ಕಾಗಿ ಬೇರೆ ವಿಶ್ವವಿದ್ಯಾನಿಲಯಕ್ಕೆ ಹಾಗೂ ಇತರೆ ಸಂಘ ಸಂಸ್ಥೆಗಳಿಗೆ ಸಲ್ಲಿಸಿಲ್ಲವೆಂದು ಈ ಮೂಲಕ ನಾನು ದೃಢೀಕರಿಸುತ್ತೇನೆ.

ಸ್ಥಳ : ಮಂಗಳೂರು

ದಿನಾಂಕ : \_\_\_\_\_

ಡಾ| ಕುಮಾರ್ ಸ್ವಾಮಿ ಎಂ.

ಮಾರ್ಗದರ್ಶಕರು

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that .....Vinoop D.S.....  
Reg. No. 186535827..... Class. III BSc 'B' Semester... IV... Semester.....  
has satisfactorily completed the Project work/Practical .physiology.I....  
Ecology I... BSC BOC 306..... in the department of  
.....Botany..... University College Mangalore as prescribed  
by Mangalore University during the year ...2020-2021.....

Head of the Dept. of Botany  
Head of the Department  
University College Mangalore

Lecturer in Charge  
Dr. SIDDARAJU M.N. M.Sc., Ph.D.  
Assistant Professor & Research Guide  
Department of Botany  
University College Mangalore  
Hampankatta, Mangalore - 575001

Valued by

Examiners. 1

10/3/21  
2  
10/3/21

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that **Ms. VEDASHREE .V**.....  
Reg. No...**186535836**..... Class. **III<sup>RD</sup>** B.Sc. Semester... **V**.....  
has satisfactorily completed the Project work/~~Practical~~ **ON..STUDY OF...**  
**SOMESHWAR... BEACH... ECOSYSTEM**..... in the department of  
**BOTANY**..... University College Mangalore as prescribed  
by Mangalore University during the year ..... **2020 - 2021**.....

Lecturer in Charge

Head of the Dept. of Botany  
Head of the Department  
University College, Mangalore

Date of examination - **10-3-2021**

Valued by

Examiners. 1

2

**10/3/21**  
**6/3/21**

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that .....Samdhya.....  
Reg. No...186535833..... Class...III...B.Sc.... Semester.....V.....  
has satisfactorily completed the Project work/Practical on...'Study of...  
Someshwar...Beach...Ecosystem'..... in the department of  
.....Botany..... University College Mangalore as prescribed  
by Mangalore University during the year ...2020-2021.....

  
Lecturer in Charge

  
Head of the Dept. of Botany  
Head of the Department  
University College, Mangalore

Date of examination

Valued by

Examiners. 1

2

  
10/3/21  
  
10/3/21

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ..... *Shwetha* .....

Reg. No.... *186535823* ..... Class... *III BSc* ... Semester... *V* .....

has satisfactorily completed the Project work/Practical *An Interaction*....  
*with Farmers to Study Arecanut Plantation*..... in the department of  
*Botany*..... University College Mangalore as prescribed  
by Mangalore University during the year ... *20.20.-21* .....

Lecturer in Charge

Head of the Dept. of Botany  
University College, Mangalore

Date of examination

Valued by

Examiners. 1

2

  
*9/3/21*

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

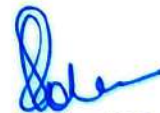
This is to certify that ..... Thejaswini .....

Reg. No. .... 186535825 ..... Class. III BSC Semester. .... V .....

has satisfactorily completed the Project work/Practical An interaction  
with farmers to study arecanut plantation..... in the department of  
Botany..... University College Mangalore as prescribed  
by Mangalore University during the year .... 2020 - 2021 .....



Lecturer in Charge



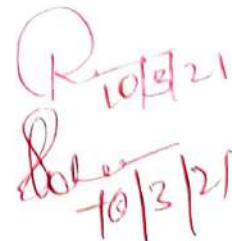
Head of the Department of Botany  
University College, Man

Date of examination

Valued by

Examiners. 1

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10/12/21  
10/13/21

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ..... Shreya .....

Reg. No. .... 186535834 ..... Class. III BSc ..... Semester. .... V .....

has satisfactorily completed the Project work/Practical .. An...interaction...  
with...farmers...to...study...Areca nut...plantation.... in the department of  
Botany ..... University College Mangalore as prescribed  
by Mangalore University during the year ... 2020-2021 .....

  
Lecturer in Charge


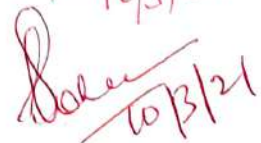
  
Head of the Dept. of Botany  
University College Mangalore

Date of examination

Valued by

Examiners. 1

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10/3/21  
  
10/3/21

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)




From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that Ms. DEEPTHI : K.....  
Reg. No....1.865.35829..... Class....III BSc.. Semester.....V.....  
has satisfactorily completed the Project work/~~Practical~~ ON..HUMAN..INTE..  
-RACTION..WITH..ECOSYSTEM..THROUGH..HORTICULTURE in the department of  
.....BOTANY..... University College Mangalore as prescribed  
by Mangalore University during the year .....2020....-..2021.....

  
Lecturer in Charge

  
Head of the Dept. of Botany  
University College Mangalore

Date of examination

Valued by

Examiners. 1

2

  
10/3/21  
  
10/3/21



# UNIVERSITY COLLEGE MANGALORE

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From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ..... Bhavya. .....

Reg. No. .... 17H1H3713 ..... Class. III B.Sc(B) Semester. V<sup>th</sup> .....

has satisfactorily completed the Project work/~~Practical~~ A positive .....

human intervention in terrestrial ecosystem in the department of .....

Botany. ..... University College Mangalore as prescribed

by Mangalore University during the year .....

*[Handwritten signature]*  
3/3/21

**Dr. SIDDARATHU M.N. M.Sc., Ph.D.**  
Assistant Professor & Research Guide  
Department of Botany  
University College Mangalore  
Bantwal, Mangalore - 575001

*[Handwritten signature]*  
Head of the Dept. of Botany  
University College, Mangalore

Valued by

Examiners. 1

2

*[Handwritten signatures]*  
R 10/3/21  
10/3/21

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ....**NEHA FATHIMA**.....

Reg. No. **174143737**..... Class. **III BSC**..... Semester. **V**.....

has satisfactorily completed the Project work/~~Practical~~ **A. Positive Human**

**intervention in Terrestrial Ecosystems - Pilikula** in the department of

.....**Botany**..... University College Mangalore as prescribed

by Mangalore University during the year ...**2020 - 2021**.....



Lecturer in Charge  
**Dr. SIDDARAJU M.N. M.Sc., Ph.D.**  
Assistant Professor & Research Guide  
Department of Botany  
University College Mangalore  
Hampankatta, Mangalore - 575001



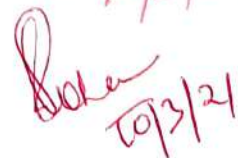
Head of the Department  
Head of the Dept of Botany  
University College, Mangalore

Valued by

Examiners. 1

  
10/5/21.

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10/3/21

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ..... Sangeetha .....  
Reg. No. 186535821 ..... Class. III BSc ..... Semester. V .....  
has satisfactorily completed the Project work/Practical on "Study of .....  
Someshwara Beach Ecosystem" ..... in the department of  
Botany ..... University College Mangalore as prescribed  
by Mangalore University during the year 2020-21 .....

  
Lecturer in Charge

  
Head of the Dept. of Botany  
Head of the Department  
University College, Mangalore

Date of examination

Valued by

Examiners. 1

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9/3/2021

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ....Siddaruda.....  
Reg. No. 186535824..... Class. III B.Sc. Semester. V.....  
has satisfactorily completed the Project work/Practical on Study of  
Soil and Soil testing..... in the department of  
Botany..... University College Mangalore as prescribed  
by Mangalore University during the year 2020 - 2021.....

  
Lecturer in Charge


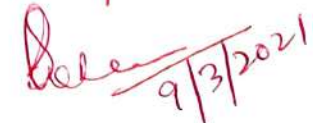
Date of examination

  
Head of the Dept. of Botany  
University College, Mangalore

Valued by

Examiners. 1

2

  
  
9/3/2021

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



## CERTIFICATE

This is to certify that ..... Shreejith .....

Reg. No. 186535822 ..... Class III Bsc B' ... Semester ..... V semester .....

has satisfactorily completed the Project work/Practical ..... physiology-I .....

..... Ecology-I ..... BSC BOC 306 ..... in the department of

..... Botany ..... University College Mangalore as prescribed

by Mangalore University during the year ..... 2020-21 .....

 31/3/21

Lecturer in Charge

**Dr. SIDDARAJU M.N. M.Sc., Ph.D.**  
Assistant Professor & Research Guide  
Department of Botany  
University College Mangalore  
Hampankatta, Mangalore - 575001



Head of the Dept. of Botany  
University College Mangalore

Valued by

Examiners. 1

2

  
  
9/3/2021

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ..... Samarth . T. S .....

Reg. No. 186535820 ..... Class. III BSC 'B' Semester. .... IV Semester .....

has satisfactorily completed the Project work/Practical .. Physiology. I .....

..... Ecology. I .. BSCBOC306 ..... in the department of

..... Botany ..... University College Mangalore as prescribed

by Mangalore University during the year .... 2020 - 2021 .....

  
23/12/21

Lecturer in Charge  
**Dr. SIDDARAJU M.N. M.Sc., Ph.D.**  
Assistant Professor & Research Guide  
Department of Botany  
University College Mangalore  
Date of examination  
Hamparkatta, Mangalore - 575001



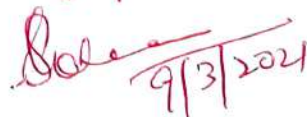
Head of the Dept. of Botany  
Head of the Department  
University College, Mangalore

Valued by

Examiners. 1



2

  
9/3/2021

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



*From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year*

## CERTIFICATE

*This is to certify that Vaishnavi Reg. No.186535826 Class. III B.Sc. Semester V has satisfactorily completed the Project work on a study of plant-human interaction Krishi Vigyan Kendra (KVK) Dakshina Kannada in the department of Botany University College Mangalore as prescribed by Mangalore University during the year 2020-21.*

Lecturer in Charge

*[Handwritten signature]*  
9/3/21

Date of examination

*[Handwritten signature]*  
Head of the Dept. of Botany  
University College, Mangalore

Valued by

Examiners. 1

2

*[Handwritten signature]*  
*[Handwritten signature]*  
9/3/21

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ..... **POOJASHREE·B·L** .....

Reg. No... **196535837** ..... Class... **III B.Sc.'B'** Semester... **V** .....

has satisfactorily completed the Project work/Practical **PHYSIOLOGY-I** .....

**ECOLOGY-I** **BSc BOC 306 cashew project** in the department of .....

**BOTANY** ..... University College Mangalore as prescribed

by Mangalore University during the year ..... **2020-2021** .....

Lecturer in Charge

Head of the Department  
University College, Mangalore

Date of examination

Valued by

Examiners. 1

2



# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ..... **SHRUTHI · A** .....

Reg. No....**186535835**..... Class..**III B.Sc.'B'** Semester.....**V**.....

has satisfactorily completed the Project work/Practical ..... **PHYSIO** .....

...**Cashew**...**Research**...and...**Coop. development at Uda**...in the department of

.....**BOTANY**..... University College Mangalore as prescribed

by Mangalore University during the year ...**2020-2021**.....

Lecturer in Charge

Head of the Department  
Head of the Dept. of Botany  
University College, Mangalore

Date of examination

Valued by

Examiners. 1

**10/3/21**

2

**10/3/21**

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)



From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that ....Mufeeda Banu.....  
Reg. No. ....18G535816..... Class. ....TD.... B.sc. .... Semester. ....V.... Sem.....  
has satisfactorily completed the Project work/Practical On study of....  
Terrestrial ecosystem at Pilikula..... in the department of  
.....Botany..... University College Mangalore as prescribed  
by Mangalore University during the year ....2020 - 2021.....

Lecturer in Charge

Head of the Dept. of Botany  
University College Mangalore

Date of examination

Valued by

Examiners. 1

2

  
9/2/2021

# UNIVERSITY COLLEGE MANGALORE

(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)




From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that .....ANANYA:M.....  
Reg. No...186535828..... Class. III BSc. B Semester... FIFTH.....  
has satisfactorily completed the Project work/Practical A STUDY ON.....  
PLANT-HUMAN INTERACTION AT KVK... in the department of  
.....BOTANY..... University College Mangalore as prescribed  
by Mangalore University during the year ...2020-21.....

  
Lecturer in Charge

Date of examination

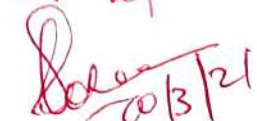
  
Head of the Dept. of Botany  
University College Mangalore

Valued by

Examiners. 1

  
10/3/21

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03/3/21

# UNIVERSITY COLLEGE MANGALORE


(Re-accredited with 'A' grade by NAAC and College with Potential for Excellence)




From a Glorious past to a Promising Future- Celebrating 150<sup>th</sup> year

## CERTIFICATE

This is to certify that Ms. SALONI PRASAMNA BOLAR  
Reg. No. 186535832 Class. III B.Sc. Semester. V  
has satisfactorily completed the Project work/Practical on "HUMAN  
INTERACTION WITH ECOSYSTEM THROUGH HORTICULTURE" the department of  
BOTANY University College Mangalore as prescribed  
by Mangalore University during the year 2020-2021

  
Lecturer in Charge

Date of examination

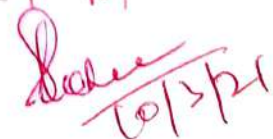
  
Head of the Dept. of Botany  
University College Mangalore

Valued by

Examiners. 1

2

  
10/3/21

  
10/3/21

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Keerthi Laxmi  
Reg. No. 192456224 Class.....Semester.....  
has satisfactorily completed the Field Report/Project Work / Practical on  
.....  
as prescribed by the Mangalore University during the academic year 20 - 20 .

Selva  
Staff in Charge

B. S. S. S.  
Head of the Department

Date:

Place:

Examiners:

1. Selva  
28/9/21

2. Soujanya

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. /

Mr..... Bhargavi P. Nayak

Reg.

No. 192455501..... Class II B.sc 'B' Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on

Histology, Animal Behaviour, Applied zoology.....

as prescribed by the Mangalore University during the academic year 2020-  
2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. Noureen Sheik.....

Reg. No. 192455502..... Class II BSc B..... Semester IV.....

has satisfactorily completed the Field Report/Project Work / Practical on

28-09-21.....

as prescribed by the Mangalore University during the academic year ~~2020~~ 2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. SAMRUDDI SHETTY

Reg. No. 192455503 Class II BSc Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on

HISTOLOGY ANIMAL BEHAVIOUR , APPLIED ZOOLOGY

as prescribed by the Mangalore University during the academic year 2020 2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

Date: 28.09.21

Place: MANGALORE

Examiners:

1.

2.





**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. / Mr. SUSHRAVYA · K

Reg. No. 192455504 Class. II - BSc B Semester IV

has satisfactorily completed the Field Report/Project Work /Practical on  
HISTOLOGY, ANIMAL BEHAVIOUR, APPLIED ZOOLOGY  
as prescribed by the Mangalore University during the academic year 2021-2022

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
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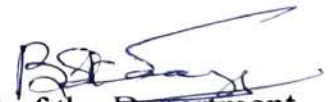
**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / ~~Mr.~~ VAISHNAVI  
Reg. No. 192455505 Class II<sup>nd</sup> B.S.'B' Semester 1<sup>st</sup>

has satisfactorily completed the Field Report/~~Project Work~~ / Practical on  
Histology, Animal Behaviours, Applied Zoology  
as prescribed by the Mangalore University during the academic year 2020-2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**

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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. DEEKSHAN KUMAR

Reg. No. 192455507 Class II BSc Semester 4<sup>th</sup>

has satisfactorily completed the Field Report/Project Work / Practical on  
HISTOLOGY, ANIMAL BEHAVIOUR, APPLIED ZOOLOGY  
as prescribed by the Mangalore University during the academic year 2020-2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

Date: 28-09-2021

Place: Mangalore

Examiners:

1. 28/9/2021

2.



MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. /  
Mr. Deepika M

Reg.  
No. 192455508 Class II BSc Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on  
Histology Animal Behaviour, Applied Zoology  
as prescribed by the Mangalore University during the academic year 20 -  
20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Keerthi

Reg. No. 192455509 Class II BSc Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on

Applied Zoology, Histology, Animal behaviour

as prescribed by the Mangalore University during the academic year 2020-2021

Staff in Charge

Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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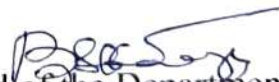
DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. /Mr. LAVANYA . N  
Reg. No. 192455510 Class II BSC Semester IV<sup>th</sup> sem  
has satisfactorily completed the Field Report/Project Work / Practical on  
HISTOLOGY, ANIMAL BEHAVIOUR AND APPLIED ZOOLOGY  
as prescribed by the Mangalore University during the academic year 2020/2021



Staff in Charge



Head of the Department  
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UNIVERSITY COLLEGE  
MANGALORE - 575 001

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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. .... NISHANTH KUMAR .....

Reg. No. .... 192455511 ..... Class. II<sup>nd</sup> BSc Semester. IV<sup>th</sup> sem. .....

has satisfactorily completed the Field Report/Project Work / Practical on  
... histology, Animal behaviour & applied zoology .....  
as prescribed by the Mangalore University during the academic year 20 - 2021

Staff in Charge

Head of the Department  
**HEAD OF THE DEPT. OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. PRAKASH.....

Reg. No. 192455512..... Class II BSc B. Semester IV th sem.....

has satisfactorily completed the Field Report/Project Work / Practical on

..... Histology, Animal behaviour & applied zoology.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001



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DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. PRANAM . N . SHETTY

Reg. No. 192455513 Class II<sup>nd</sup> CLASS Semester IV<sup>th</sup> Semr

has satisfactorily completed the Field Report/Project Work / Practical on

Histology, Animal behaviour & applied Zoology

as prescribed by the Mangalore University during the academic year 20 - 20

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
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DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Prathibha.....

Reg. No. 192455514..... Class B.Sc..... Semester 4<sup>th</sup>.....

has satisfactorily completed the Field Report/Project Work / Practical on

Applied zoology, Histology, Animal Behaviour.....

as prescribed by the Mangalore University during the academic year 20<sup>20</sup>-20<sup>21</sup>.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
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DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. /  
Mr. Priyadarshini

Reg.  
No. 192455315 Class II Bsc Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on  
Herpetology, Animal Behaviour, Applied zoology  
as prescribed by the Mangalore University during the academic year 20 -  
20 .

Staff in Charge

Head of the Department  
**HEAD OF THE DEPT. OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 002**

**MANGALORE UNIVERSITY**  
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**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. / Mr. Shwathi.....

Reg. No. 192455516..... Class II BSc Semester 4<sup>th</sup>.....

has satisfactorily completed the Field Report/Project Work / Practical on  
Applied zoology histology Animal Behaviour  
as prescribed by the Mangalore University during the academic year 2020-2021.

Staff in Charge

Head of the Department  
**HEAD OF THE DEPT. OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 001**

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DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr.....SUSHMITHA K.....


Reg. No.....192455517..... Class.....II B.Sc..... Semester.....IV.....

has satisfactorily completed the Field Report/Project Work / Practical on

.....HISTOLOGY, ANIMAL BEHAVIOUR AND APPLIED ZOOLOGY.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. VISHRUTHA.....

Reg. No. 192455518..... Class II nd BSc Semester IV th Sem.....

has satisfactorily completed the Field Report/Project Work / Practical on

HISTOLOGY, ANIMAL BEHAVIOUR AND APPLIED ZOOLOGY.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
**HEAD OF THE DEPT. OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 001**

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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / ~~Mr.~~.....DHANNA SHREE.....

Reg. No.....192455519.....Class.....II BSc 'B'.....Semester.....IV.....

has satisfactorily completed the Field Report/Project Work / Practical on

.....Histology, Animal behaviour and Applied Zoology.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. K. SHARANYA RAI

Reg. No. 192455520 Class. II BSc Semester 4th


has satisfactorily completed the Field Report/Project Work / Practical on

HISTOLOGY ANIMAL BEHAVIOUR APPLIED ZOOLOGY

as prescribed by the Mangalore University during the academic year 20 - 20 .



Staff in Charge



Head of the Department  
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UNIVERSITY COLLEGE  
MANGALORE - 575 001



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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr..... PRATHEEKA.....

Reg. No. 19245521..... Class II BSc Semester 4<sup>th</sup>.....

has satisfactorily completed the Field Report/Project Work / Practical on

HISTOLOGY, ANIMAL BEHAVIOUR, APPLIED ZOOLOGY.....

as prescribed by the Mangalore University during the academic year 2020-2021

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. SHREYA

Reg. No. 19245522 Class II BSc Semester 4<sup>th</sup>

has satisfactorily completed the Field Report/Project Work / Practical on

HISTOLOGY, ANIMAL BEHAVIOUR, APPLIED ZOOLOGY

as prescribed by the Mangalore University during the academic year ~~2000~~ 2020-2021.

Staff in Charge

Head of the Department  
**HEAD OF THE DEPT OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 001**

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**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. Ashitha Rai.....

Reg. No. 192456201..... Class 1<sup>st</sup> BSc..... Semester IV.....

has satisfactorily completed the Field Report/Project Work / Practical on

Histology, Animal behaviour, Applied zoology.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
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**DEPARTMENT OF ZOOLOGY**

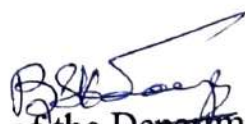
**Certificate**

This is to certify that Ms. / Mr. Chithra S.B

Reg. No. 192H56202 Class 2nd B.Sc Semester Third

has satisfactorily completed the Field Report/Project Work / Practical on  
Histology, Animal Behaviour, applied zoology  
as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 007

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. K. POOTASHRI  
Reg. No. 192456203 Class II BSC 'B' Semester 4<sup>th</sup> Sem

has satisfactorily completed the Field Report/~~Project Work~~/~~Practical~~ on

STUDY OF BEE HIVES

as prescribed by the Mangalore University during the academic year 20 - 20 21

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY,  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Malleshwari M.....

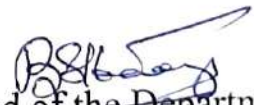
Reg. No. 192456204..... Class II<sup>nd</sup> Bsc Semester IV.....

has satisfactorily completed the Field Report/Project Work / Practical on

Histology, Animal behaviour, Applied Zoology.....

as prescribed by the Mangalore University during the academic year 2021 2022

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**


This is to certify that Ms. / Mr..... *Nousheeruddeen* .....

Reg. No..... *192456206* ..... Class..... *II<sup>nd</sup> B.Sc* ..... Semester..... *IV<sup>th</sup>* .....

has satisfactorily completed the Field Report/Project Work / Practical on

.....  
as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY

UNIVERSITY COLLEGE MANGALORE




DEPARTMENT OF ZOOLOGY


Certificate

This is to certify that Ms. — Sanjana . S. Sandeep

Reg. No. 192456207 Class 2nd BSC B Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on  
histology , Animal behaviour, Applied Zoology  
as prescribed by the Mangalore University during the academic year 20 - 20

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 00



**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. / Mr.....*Smitha*.....

Reg. No. *192456209*..... Class *U.BSc.B*..... Semester..... *IV*.....

has satisfactorily completed the Field Report/Project Work / Practical on

.....*Histology*.....*Animal*.....*Behaviour*.....*Applied Zoology*.....

as prescribed by the Mangalore University during the academic year 2021-2022

Staff in Charge

Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY



UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Mr. Ashitha.....

Reg. No. 192456210..... Class II B.S.c..... Semester IV.....

has satisfactorily completed the Field Report/Project Work / Pract. work.....

as prescribed by the Mangalore University during the academic year 2020-2021.

Staff in Charge

Head of the Dept.

HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

9

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UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Mr. Amitha M D


Reg. No. 198456211 Class II<sup>nd</sup> BSc Semester IV<sup>th</sup>

has satisfactorily completed the Field Report/Project Work / Practical

Field report on Milk Dairy unit

as prescribed by the Mangalore University during the academic year 20 - 20

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Mr. Ankitha B.M.

Reg. No. 192456212 Class II BSC Semester IV sem

has satisfactorily completed the Field Report/Project Work / Practical on

field report for study about pisciculture

as prescribed by the Mangalore University during the academic year 20 - 20

*[Signature]*

Staff in Charge

*[Signature]*

Head of the  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Alpina S. Shetty

Reg. No. 192456213 Class II<sup>nd</sup> BSc Semester IV

has satisfactorily completed the Field Report/Project work / Practical on

Histology, Animal behaviour, Applied Zoology

as prescribed by the Mangalore University during the academic year 2021-2022

Head of the Department

Head of the Department

HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr.....Ashwini B.....

Reg. No.....192456214.....Class II<sup>nd</sup> Bsc.....Semester.....IV.....

has satisfactorily completed the Field Report/Project Work / Practical on

.....Histology, Animal Behaviour, Applied Zoology.....

as prescribed by the Mangalore University during the academic year ~~2021~~ 20 22

Staff in Charge

Head of the Department

HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

Date: 23/09/21

Examiners:

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. BINDU

Reg. No. 192456215 Class II<sup>nd</sup> BSC Semester IV<sup>th</sup>

has satisfactorily completed the Field Report/Project Work / Practical on

HISTOLOGY, ANIMAL BEHAVIOUR, APPLIED ZOOLOGY

as prescribed by the Mangalore University during the academic year 20 - 2021

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Chaitora. R. Shetty


Reg. No. 192456216 Class. II BSc B Semester IV<sup>th</sup> Sem

has satisfactorily completed the Field Report/~~Project Work~~ / ~~Practical~~ on

Dairy animals

as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff in Charge

  
Head of the Department  
**HEAD OF THE DEPT. OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
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Certificate

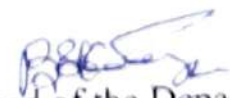
This is to certify that Ms. / Mr. Chethan M

Reg. No. 192456217 Class. II<sup>nd</sup> BSc Semester. IV

has satisfactorily completed the Field Report/Project Work / Practical on

Histology, Animal Behaviour, Applied Zoology  
as prescribed by the Mangalore University during the academic year 2020-22

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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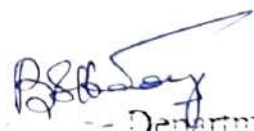
DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Deekshitha K

Reg. No. 192456218 Class II<sup>nd</sup> BSc Semester IV

has satisfactorily completed the Field Report/Project Work, Practical on  
Histology, Animal Behaviour, Applied zoology  
as prescribed by the Mangalore University during the academic year 2021-2022

Staff 

Head of Department  
  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr..... Diya .....

Reg. No. 192456220 ..... Class II<sup>nd</sup> BSc ..... Semester IV<sup>th</sup> .....

has satisfactorily completed the Field Report/Project Work / Practical on

Histology, Social behaviour, applied zoology .....

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

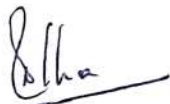
This is to certify that Ms. / Mr. Growthani.....

Reg. No. 192456221..... Class. II<sup>nd</sup> B.Sc. Semester. IV<sup>th</sup>.....


has satisfactorily completed the Field Report/~~Project Work~~ / ~~Practical on~~

Histology, social behaviour, applied zoology.....

as prescribed by the Mangalore University during the academic year 20 - 20 .



Staff in Charge

  
Head of the Department  
HEAD OF THE D<sup>PT.</sup> OF ZOOLOGY  
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MANGALORE - 575 001

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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr.....*Hemanth*.....

Reg. No. *192456222*.....Class. *II BSc*.....Semester.....*IV*.....

has satisfactorily completed the Field Report/Project Work / Practical on-

.....*His tody . Animal Behaviour. Applied Zoology*.....

as prescribed by the Mangalore University during the academic year 20 - 2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. *Kawtha*.....

Reg. No. *192456223*..... Class *II<sup>nd</sup> BSc*..... Semester *IV<sup>th</sup> semester*.....

has satisfactorily completed the Field Report/Project Work / Practical on

*Histology, Social behavior and applied zoology*.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
**HEAD OF THE DEPT. OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
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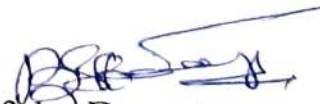
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DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / ~~M~~ KRITHI.....  
Reg. No..... 192456225 ..... Class..... II BSc..... Semester..... 4th.....  
has satisfactorily completed the Field Report/Project Work / Practical on  
..... Histology..... animal..... behaviour..... and..... applied..... zoology.....  
as prescribed by the Mangalore University during the academic year 20 - 2021.

  
Staff in Charge

  
Head of the Department:  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. LIKHITHA.T

Reg. No. 192456226 Class BSc Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on

Histology animal behaviour & applied zoology

as prescribed by the Mangalore University during the academic year 20 - 2021.

Staff in Charge

Head of the Department  
OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001



**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. Mohammed Rasheed

Reg. No. 192756227 Class and B.Sc. Semester B

has satisfactorily completed the Field Report/Project Work / Practical on

History, Social behaviour, applied zoology

as prescribed by the Mangalore University during the academic year 20 - 20

Staff in Charge

Head of the Department  
DEAD OF THE DEPT  
UNIVERSITY C  
MANGALORE - 5

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr.....Nishanth Carmelia.....

Reg. No...197456228.....Class2<sup>nd</sup>.....B.Sc......B. Semester.....IV.....

has satisfactorily completed the Field Report/~~Project Work~~ / ~~Practical on~~

.....Histology.....social.....behaviour.....applied.....Zoology.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department

HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 00

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. PAVITHRA

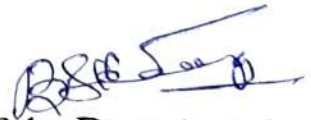
Reg. No. 192456229 Class. II BSC Semester. 4<sup>th</sup>

has satisfactorily completed the Field Report/~~Project Work~~ / ~~Practical on~~

field report [Aquaculture]

as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Ramesh

Reg. No. 192456230 Class II BSc Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on  
History social behaviour applied zoology  
as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department

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UNIVERSITY COLLEGE  
MANGALORE - 575 001

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UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr..... Sharanya.....

Reg. No..... 192456231..... Class..... II BSc..... Semester..... IV.....

has satisfactorily completed the Field Report/Project Work / Practical on

..... Histology, Animal Behavior & applied zoology.....

as prescribed by the Mangalore University during the academic year 2020-2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. Sharath

Reg. No. 192456232 Class II BSc Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on

Histology, animal behaviour, applied zoology  
as prescribed by the Mangalore University during the academic year 20 - 20 .

Sharma  
Staff in Charge

Prasad  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. / Mr.....Shravya.....

Reg. No.....192456233.....Class.....Bsc.....Semester.....IV.....

has satisfactorily completed the Field Report/Project Work / Practical on

Histology, Animal behaviour & applied zoology

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. / Mr.....*Sparathi*.....

Reg. No.....*192456234*.....Class.....*BSc*.....Semester.....*IV*.....

has satisfactorily completed the Field Report/Project Work / Practical on

*..Histology, animal behaviour and applied Zoology.....*

as prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001



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UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. Vedhaashini S. Gowda  
Reg. No. 192456235 Class II BSc. Semester IV  
has satisfactorily completed the Field Report/Project Work / Practical of  
HISTOLOGY, ANIMAL BEHAVIOR AND APPLIED ZOOLOGY  
as prescribed by the Mangalore University during the academic year 20 - 20

Silva  
Staff in Charge

B. S. Jayaram  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 004

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms./ Mr. Chopala Gowda


Reg. No. 192456237 Class II BSc Semester IV

has satisfactorily completed the Field Report/Project Work / Practical on

Histology social behaviour applied Zoology

as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**




**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. SHASHANTH B (Reg. No. 186534601 ) Class. 3<sup>rd</sup> B.Sc Semester VI has satisfactorily completed the Field Report/Project Work / Practical on STUDY ON LOCAL MARINE EDIBLE FISHES as prescribed by the Mangalore University during the academic year 2020 - 2021

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. AGAJE GOWRI .S (Reg. No. 186535001), Class 3<sup>rd</sup> BSc B Semester VI has satisfactorily completed the Field Report/Project Work/Practical on “**BEHAVIOURAL STUDY OF RODENTS USING ELEVATED PLUS MAZE**” as prescribed by the Mangalore University during the academic year 2020 - 2021.

  
Staff in Charge

  
Head of the Department  
**HEAD OF THE DEPT OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 001**

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**UNIVERSITY COLLEGE MANGALORE**




**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. AISHWARYA SHENOY.K (Reg no **186535002**) Class. **3<sup>rd</sup> B.Sc** Semester **VI** has satisfactorily completed the Field Report/Project Work / Practical on “**STUDY OF ORNAMENTAL FISHES OF AQUATIC BIOSYSTEM IN MANGALURU**” as prescribed by the Mangalore University during the academic year 2020 - 2021 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Disha Shetty V.


Reg. No. 186535003 Class III BSc Semester VI

has satisfactorily completed the ~~Field Report~~/Project Work / Practical on

Study on insect diversity in garden

as prescribed by the Mangalore University during the academic year ~~2020~~ 2021.

Staff in Charge 

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 007

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that **Ms. NISHMITHA** (Reg. No. 186535004), Class **3<sup>rd</sup> BSc B Semester VI** has satisfactorily completed the Field Report/Project Work/Practical on “**BEHAVIOURAL STUDY OF RODENTS IN OPEN FIELD**” as prescribed by the Mangalore University during the academic year 2020 - 2021.

A handwritten signature in black ink, appearing to be 'S. L. S.', written over a horizontal line.

Staff in Charge

A handwritten signature in black ink, appearing to be 'D. S. S.', written over a horizontal line.

Head of the Department  
**HEAD OF THE DEPT OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 001**

**A PROJECT REPORT ON THE DIVERSITY OF  
INSECTS IN UNIVERSITY COLLEGE  
MANGALORE CAMPUS**



In partial fulfilment of the requirement for the award of degree  
of  
**BACHELOR OF SCIENCE**

**Submitted to**

Department of Zoology  
University College Mangalore

**Submitted by**

Varun V R ( Register No -186535005)

HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001



**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**

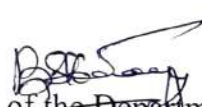


**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that **Ms. BADRUL AFEEZA NISHA (Reg no 186535007)**,  
Class **3<sup>rd</sup> B.Sc** Semester **VI** has satisfactorily completed the Field  
Report/Project Work/Practical on "**STUDY ON THE DIVERSITY OF  
MARINE EDIBLE FISHES OF MANGALORE**" as prescribed by the  
Mangalore University during the academic year 2020 - 2021.

  
Staff in Charge

  
Head of the Department  
**HEAD OF THE D<sup>PT.</sup> OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 007**

Date: 02-11-2021

Examiners:

Place: Mangalore



**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**




**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. CHAITHRA (Reg no 186535008),  
Class 3<sup>rd</sup> B.Sc Semester VI has satisfactorily completed the Field  
Report/Project Work/Practical on “**COMPARITIVE STUDY ON  
DIVERSITY OF MOLLUSCAN SHELLS IN MANGALORE COASTAL  
REGION**” as prescribed by the Mangalore University during the academic year  
2020 - 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**




**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. HARSHAVEENA K (Reg. No. 186535009), Class 3<sup>rd</sup> BSc B Semester VI has satisfactorily completed the Field Report/Project Work/Practical on “**BEHAVIOURAL STUDY OF RODENTS IN LIGHT AND DARK BOX**” as prescribed by the Mangalore University during the academic year 2020 - 2021.

  
Staff in Charge

  
Head of the Department  
**HEAD OF THE DEPT OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 001**

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Ilashree. M.D

Reg. No. 186535010 Class III B.Sc. Semester VI

has satisfactorily completed the ~~Field Report~~/Project Work / ~~Practical~~ on  
Animal diversity in Arecanut plantation  
as prescribed by the Mangalore University during the academic year ~~2020~~ 2021.

  
Staff in Charge

  
Head of the Department

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



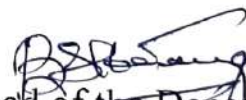
**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. POOJASHREE (Reg no 186535011),  
Class 3<sup>rd</sup> B.Sc Semester VI has satisfactorily completed the Field  
Report/Project Work/Practical on “**COMPARITIVE STUDY ON  
DIVERSITY OF MOLLUSCAN SHELLS IN MANGALORE COASTAL  
REGION**” as prescribed by the Mangalore University during the academic year  
2020 - 2021.



Staff in Charge



Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**




**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. PRATHEEK, (Reg. No.186535012,)  
Class. 3<sup>rd</sup> **B.Sc** Semester VI has satisfactorily completed the Field  
Report/Project Work / Practical on STUDY ON LOCAL MARINE EDIBLE  
FISHES as prescribed by the Mangalore University during the academic year  
2020 - 2021 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**

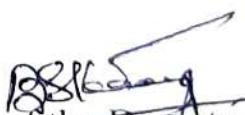


**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. RUCHITHA S (Reg. No. 186535014) ,  
Class. 3<sup>rd</sup> B.Sc Semester VI has satisfactorily completed the Field  
Report/Project Work / Practical on “A STUDY ON BUTTERFLY  
DIVERSITY OF SAMMILAN PARK MOODABIDRE” as prescribed by  
the Mangalore University during the academic year 2020 - 2021 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 005

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Sapna V.S

Reg. No. 186535015 Class III B.Sc Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on

Study of Animal Diversity in Arecanut Plantation  
as prescribed by the Mangalore University during the academic year 2020-2021

  
Staff in Charge

  
Head of the Department




**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. / Mr. MANISHA (Reg no 186535016) Class. 3<sup>rd</sup>  
B.Sc Semester VI has satisfactorily completed the Field Report/Project Work /  
Practical on “A STUDY ON BUTTERFLY DIVERSITY OF SAMMILAN  
PARK MOODABIDRE” as prescribed by the Mangalore University during  
the academic year 2020 - 2021 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. SOWMYA (Reg no 186535017), Class 3<sup>rd</sup> B.Sc Semester VI has satisfactorily completed the Field Report/Project Work/Practical on “**STUDY ON THE DIVERSITY OF MARINE EDIBLE FISHES OF MANGALORE**” as prescribed by the Mangalore University during the academic year 2020 - 2021.

  
Staff in Charge

  
Head of the Department

HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / ~~Mr~~ Tharisha Rai K .....

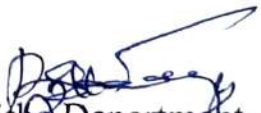
Reg. No. 186535018 ..... Class III BSc ..... Semester VI .....

has satisfactorily completed the ~~Field Report/Project Work / Practical on~~

Study on insect diversity in garden .....

as prescribed by the Mangalore University during the academic year 2020-2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. KAVYA J (Reg no 186535019) Class. 3<sup>rd</sup> B.Sc Semester VI has satisfactorily completed the Field Report/Project Work / Practical on “**STUDY OF ORNAMENTAL FISHES OF AQUATIC BIOSYSTEM IN MANGALURU**” as prescribed by the Mangalore University during the academic year 2020 - 2021 .



Staff in Charge



Head of the Department  
**HEAD OF THE DEPT. OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 001**

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Dhanyashree K.


Reg. No. 186535801 Class. III BSC Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on

Study of vermicomposting

as prescribed by the Mangalore University during the academic year 2020-2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. / Mr. Jeevitha B.S.


Reg. No. 186535802 Class III BSC Semester VI

has satisfactorily completed the ~~Field Report~~/Project Work / Practical on

Study of vermicomposting

as prescribed by the Mangalore University during the academic year 2020 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr.....Nireeksha.....

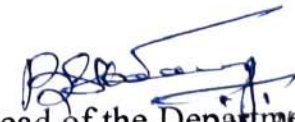
Reg. No....186535803.....Class...III. BSc. B.....Semester.....VI.....

has satisfactorily completed the Field Report/Project Work / Practical on

..Study on insect biodiversity of Kasaragod.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPARTMENT  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

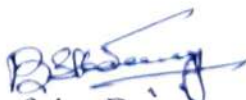
**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. **POOJA** Reg. No **186535804** Class **III<sup>rd</sup> B.Sc.** Semester **VI** has satisfactorily completed the **Project Work** on **STUDY ON MARINE EDIBLE FISHES IN LOCAL MARKET (SURATKAL)** as prescribed by the Mangalore University during the academic year 2020 - 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575001



**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. / ~~Mr.~~ SHARANYA G.....


Reg. No. 186535805..... Class III<sup>rd</sup> B.Sc. Semester V<sup>th</sup>.....

has satisfactorily completed the Field Report/Project Work / Practical on

STUDY ON DIVERSITY OF ORNAMENTAL FISHES IN MANGALORE

as prescribed by the Mangalore University during the academic year 2020 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 00

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UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Shivananda. JG

Reg. No. 186535806 Class. III BSc.B Semester VI

has satisfactorily completed the ~~Field Report~~/Project Work / Practical on

Spider diversity of Dakshina kannada & Kasaragod Districts.

as prescribed by the Mangalore University during the academic year 2020-2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Sphoorthi K.

Reg. No. 186535802 Class. III BSC Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on

study of vermicomposting

as prescribed by the Mangalore University during the academic year 2020-2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr.....SWATHI U N.....

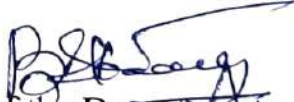
Reg. No. 186535808..... Class III BSc Semester VI.....

has satisfactorily completed the ~~Field Report~~/Project Work / ~~Practical on~~

BIODIVERSITY IN MOLLUSCAN SHELLS.....

as prescribed by the Mangalore University during the academic year 2020 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

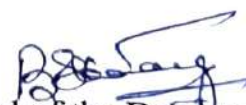
This is to certify that Ms. / Mr. Vidyashree.....

Reg. No. 186535809..... Class III BSc B Semester VI.....

has satisfactorily completed the ~~Field Report~~/Project Work / Practical on

A Study on Bird Diversity of Kelinja and Kadman  
as prescribed by the Mangalore University during the academic year 2020-2021

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 00

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY


Certificate

This is to certify that Ms. / Mr. Anushree

Reg. No. 186535 810 Class III B.Sc. B' Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on  
A study on bird diversity of Kelinja and Kadman  
as prescribed by the Mangalore University during the academic year 2020-2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 007

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**


**Certificate**


This is to certify that Ms. ~~Mr.~~ ASHIKA - B.M.

Reg. No. 186535811 Class III BSc B Semester VI

has satisfactorily completed the ~~Field Report/Project Work / Practical~~ on

Insect pests of coconut as prescribed  
by the Mangalore University during the academic year 20 - 2021

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPARTMENT OF ZOOLOGY  
UNIVERSITY COLLEGE MANGALORE  
MANGALORE UNIVERSITY

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Bharath Kumar, M

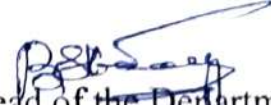
Reg. No. 186535812 Class III BSc B Semester VI

has satisfactorily completed the ~~Field Report~~/Project Work / ~~Practical~~ on

Spider diversity of Dakshina Kannada & Kasaragod District

as prescribed by the Mangalore University during the academic year ~~2020~~ 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 007



**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

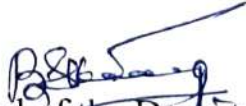
This is to certify that Ms. /Mr.....K. P. SRIKRIPA.....

Reg. No...186535813.....Class...III...BSc...B...Semester...VI.....

has satisfactorily completed the ~~Field Report/Project Work / Practical~~ on

.....INSECT PESTS OF COCONUT..... as prescribed  
by the Mangalore University during the academic year ~~2020~~ 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / ~~Mr~~..... KOWSALYA.....


Reg. No..... 186535814..... Class..... III BSc..... Semester..... VI.....

has satisfactorily completed the ~~Field Report~~/Project Work / Practical on

Biodiversity in Molluscan shells.....

as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff In Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 007

# MANGALORE UNIVERSITY

## UNIVERSITY COLLEGE MANGALORE



### DEPARTMENT OF ZOOLOGY

#### Certificate

This is to certify that Ms. / Mr. LIKHITHA.....

Reg. No. 186535815..... Class III BSC..... Semester VI.....

has satisfactorily completed the ~~Field Report/Project Work / Practical on~~

STUDY ON BUTTERFLY DIVERSITY..... as

prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

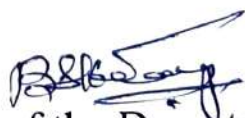
**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. **NASRIN THASLIMA** Reg. No **186535817**  
Class **III<sup>rd</sup> B.Sc.** Semester **VI** has satisfactorily completed the **Project**  
**Work** on **STUDY ON MARINE EDIBLE FISHES IN LOCAL MARKET**  
**(SURATKAL)** as prescribed by the Mangalore University during the  
academic year 2020 - 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Neethu.k

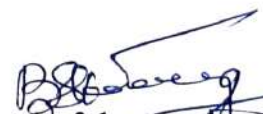
Reg. No. 186535818 Class III BSc B Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on

Study on Insect Biodiversity of Kasaragod

as prescribed by the Mangalore University during the academic year 20 - 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575101

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / ~~Mr.~~ NIREEKSHITHA.....


Reg. No. 18.6535819..... Class III<sup>rd</sup> B.Sc. Semester VI.....

has satisfactorily completed the Field Report/Project Work / Practical on

STUDY OF DIVERSITY OF ORNAMENTAL FISHES IN MANGALORE

as prescribed by the Mangalore University during the academic year 2020-2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**


**Certificate**

This is to certify that Ms. / Mr. SAMARHA T-S

Reg. No. 186535820 Class III B.S.C. Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on  
study on diversity of Molluscan shells in mangalore coastal region as  
prescribed by the Mangalore University during the academic year 2020-2021

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. SANGEETHA


Reg. No. 186535821 Class. III B.Sc Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on

BIODIVERSITY IN MOLLUSCAN SHELLS

as prescribed by the Mangalore University during the academic year 20 - 20

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001



**A PROJECT REPORT ON THE DIVERSITY OF**  
**INSECTS IN UNIVERSITY COLLEGE**  
**MANGALORE CAMPUS**



In partial fulfilment of the requirement for the award of degree  
of

**BACHELOR OF SCIENCE**

**Submitted to**

Department of Zoology  
University College Mangalore

**Submitted by**

Shreejith (Register No -186535822)

HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Shwetha.....


Reg. No. 186535823..... Class III<sup>rd</sup> BSc Semester VI.....

has satisfactorily completed the Field Report/Project Work / Practical on

Study on diversity of Birds in Mangalore region.....

as prescribed by the Mangalore University during the academic year ~~2020~~ 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. SIDDARUDA

Reg. No. 186535824 Class Final B.Sc. Semester 6<sup>th</sup>

has satisfactorily completed the Field Report/Project Work / Practical on

STUDY ON DIVERSITY MOLLUSCAN SHELLS MANGALORE COASTAL RE  
as - FION

prescribed by the Mangalore University during the academic year 2020 2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

Date: 16 AUGUST 2021

**MANGALORE UNIVERSITY**

**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr. Thejaswini

Reg. No. 186535825 Class III BSc Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on

Study of Marine edible fish diversity in Mangalores

prescribed by the Mangalore University during the academic year 2020-2021

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr..... Vaishnavi.....

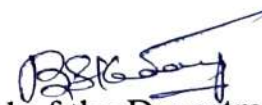
Reg. No..... 186535826..... Class..... III BSc..... Semester..... VI.....

has satisfactorily completed the ~~Field Report~~/Project Work / ~~Practical on~~

A Study on Insects diversity.....

as prescribed by the Mangalore University during the academic year ~~2020~~ 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**


**Certificate**

This is to certify that Ms. / Mr..... VINDOP, D. S......

Reg. No. 186535827..... Class III BSc..... Semester VI.....

has satisfactorily completed the Field Report/Project Work / Practical on  
STUDY ON DIVERSITY OF MOLLUSCAN SHELLS..... as REGION  
IN MANGALORE COASTAL  
prescribed by the Mangalore University during the academic year 2020 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE U.S. 10'

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. ANANYA M.....

Reg. No. 186535828..... Class. III BSc..... Semester VI.....

has satisfactorily completed the Field Report/Project Work / Practical on

BIODIVERSITY IN MOLLUSCAN SHELLS.....

as prescribed by the Mangalore University during the academic year 20<sup>00</sup>- 2021.

Staff in Charge

Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

**MANGALORE UNIVERSITY**  
**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**  
**Certificate**

This is to certify that Ms. **DEEPTHI.K** Reg. No **186535829** Class **IIIrd BSC B** Semester **VI** has satisfactorily completed the Project Work on **A PROJECT REPORT ON FRESHWATER EDIBLE FISHES OF MANGALORE** as prescribed by the Mangalore University during the academic year 2020- 2021 .

Staff in Charge

Head of the Department  
**HEAD OF THE DEPT. OF ZOOLOGY**  
**UNIVERSITY COLLEGE**  
**MANGALORE - 575 001**

Date: 02-11-2021

Place: MANGALORE

Examiners:

1.

2.



MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY


Certificate

This is to certify that Ms. / Mr. Likhitha. M.S

Reg. No. 186535830 Class VII BSc Semester VI

has satisfactorily completed the ~~Field Report~~/Project Work / Practical on  
Study of butterfly diversity  
as prescribed by the Mangalore University during the academic year ~~200~~-2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 007

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. SALONI PRASANNA BOLAR Reg. No 186535832 Class IIIrd BSC B Semester VI has satisfactorily completed the Project Work on A PROJECT REPORT ON FRESHWATER EDIBLE FISHES OF MANGALORE as prescribed by the Mangalore University during the academic year 2020- 2021 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE

Date: 02-11-2021

Place: MANGALORE

Examiners:

1.

2.

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate


This is to certify that Ms. / Mr. Sandhya.....

Reg. No. 186535833..... Class III<sup>rd</sup> B.Sc Semester VI.....

has satisfactorily completed the Field Report/Project Work / Practical on

Study of diversity of Ornamental fishes in Mangalore  
as prescribed by the Mangalore University during the academic year 2020-21

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. .... Shreya .....

Reg. No. .... 186535894 ..... Class. .... U.B.S. ..... Semester. .... V .....

has satisfactorily completed the Field Report/Project Work / Practical on

.. Study on insect diversity at Sajippanmentra & Kadmaru village ..

as prescribed by the Mangalore University during the academic year 20 - 20 .

  
Staff in Charge

  
Head of the Department

Date: 2/11/21

Examiners:

Place: Mangalore

1.

2.

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr.....S. Shruthi : A.....

Reg. No.....186535835.....Class...III...BSc.....Semester.....VI.....

has satisfactorily completed the Field Report/Project Work / Practical on

...Study on Marine edible fishes in Mangaluru [Dakke]...

as prescribed by the Mangalore University during the academic year ~~2020~~ 2021.

  
Staff in Charge

  
Head of the Department

HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE



DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Vedashree V.....

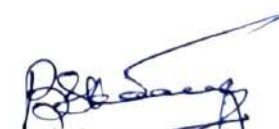
Reg. No. 186535836..... Class III<sup>rd</sup> B.Sc 'B' Semester VI Semester.....

has satisfactorily completed the Field Report/Project Work / Practical on

"STUDY OF DIVERSITY OF ORNAMENTAL FISHES IN MANGALURU"

as prescribed by the Mangalore University during the academic year 2020-2021

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

MANGALORE UNIVERSITY  
UNIVERSITY COLLEGE MANGALORE




DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Poojashree B.L.

Reg. No. 186535837 Class. III B.Sc. Semester VI

has satisfactorily completed the Field Report/Project Work / Practical on  
Study on Marine edible fishes in Mangaluru (Dakke)  
as prescribed by the Mangalore University during the academic year 2020-2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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DEPARTMENT OF ZOOLOGY

Certificate

This is to certify that Ms. / Mr. Ashmita.....


Reg. No. 185235825..... Class III BSc..... Semester VI.....

has satisfactorily completed the ~~Field Report/Project Work / Practical on~~

Study of butterfly diversity.....

as prescribed by the Mangalore University during the academic year ~~2020~~ 2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001



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**UNIVERSITY COLLEGE MANGALORE**



**DEPARTMENT OF ZOOLOGY**

**Certificate**

This is to certify that Ms. / Mr.....NEHA FATHIMA.....

Reg. No.....174143737.....Class.....III BSC.....Semester.....VI.....

has satisfactorily completed the Field Report/Project Work / Practical on

STUDY OF MARINE FISH & EDIBLE FISH..... as

prescribed by the Mangalore University during the academic year 20 - 20 .

Staff in Charge

Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 001

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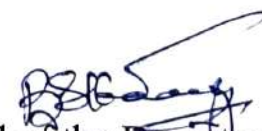
DEPARTMENT OF ZOOLOGY  
Certificate

This is to certify that Ms. / Mr. Bhavya.....

Reg. No. 17H143713..... Class III<sup>rd</sup> B.Sc Semester VI.....

has satisfactorily completed the Field Report/Project Work / Practical on  
Study on diversity of Birds in Mangalore region  
as prescribed by the Mangalore University during the academic year 2020-2021.

  
Staff in Charge

  
Head of the Department  
HEAD OF THE DEPT. OF ZOOLOGY  
UNIVERSITY COLLEGE  
MANGALORE - 575 007

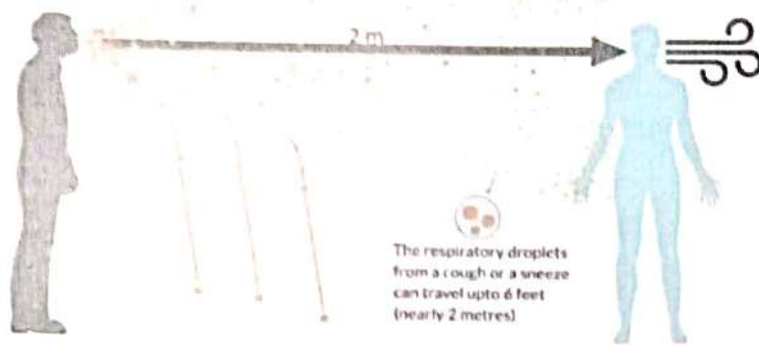
# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

### LOCAL AND GLOBAL SPREAD OF SARS-CoV-2



**SUBMITTED TO,**

**Dr. Bharathi Prakash**  
Head of the Department of Microbiology  
University College, Mangaluru

**SUBMITTED BY,**



**Agaje Gowri S**  
Reg. No.: 186535001

# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

1

This is to certify that AGAJE GOWRI .S Reg No: 186535001  
Class 3<sup>rd</sup> BSc 'B' Semester 5<sup>th</sup> has visited and submitted the Field Visit  
Report to the Department of Microbiology, University College, Mangalore  
as prescribed by the Mangalore University during the year 2020-2021  
towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Date of Examination:

Valued By:

1. External Examiner

  
4/3/21

2. Internal Examiner

Head of the Department  
Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Hampanaktra, Mangalore - 575 001

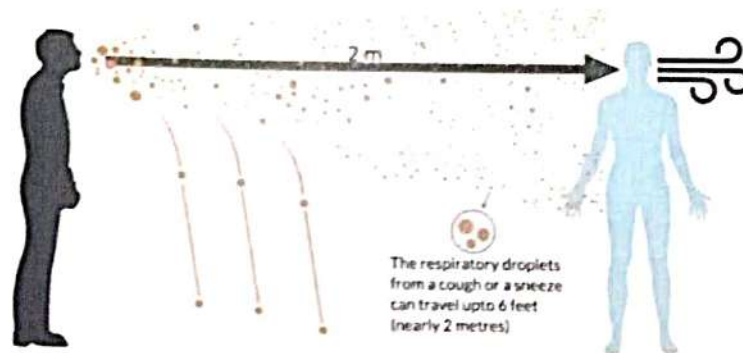
# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

### THE MEASURES TAKEN FOR THE BURIAL OR FUNERAL OF A COVID-19 PATIENT



SUBMITTED TO,

**Dr.Bharathi Prakash**  
Head of the Department of Microbiology  
University College, Mangaluru

SUBMITTED BY,



**Agaje Gowri S**  
Reg. No.: 186535001

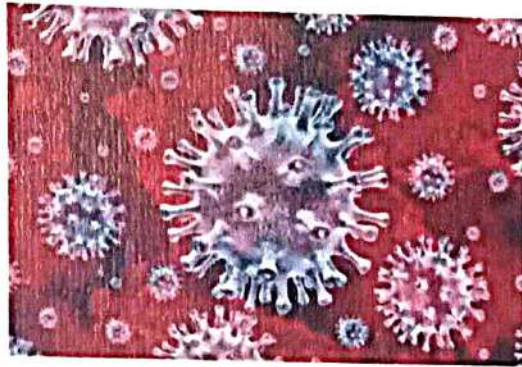
University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with  
Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

**MICROBIOLOGY OF COVID-19**  
**(Structure, Genome, Mutation, Variants in Indians)**



SUBMITTED TO

**Dr. Bharathi Prakash**  
Head of the Department of Microbiology  
University College, Mangaluru.

SUBMITTED BY,



**AISHWARYASHENOY. K**

Reg no:186535002

# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

LOCKDOWN, SEALDOWN, UNLOCK, SOCIAL AND PERSONAL  
DISTANCING, CONTAINMENT AND QUARANTINE



SUBMITTED TO

Dr. Bharathi Prakash  
Head of the Department of microbiology  
University College, Mangaluru

SUBMITTED BY

CHAITHRA

Reg no. 186535008



# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

### CHAITHRA

This is to certify that .....


Reg No :186535008 class:III BSc.B Semester: V has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year:2020-2021 towards the partial fulfilment of B. Sc degree.


Lecturer In Charge

Head of the Department  
Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Mampankatta, Mangalore - 575 001

Date of Examination: 04-03-2021

Valued By:

1. External Examiner 

2. Internal Examiner 



# Covid Compodium



**III B.Sc Microbiology students  
2020-21 batches**

**Department of Microbiology  
University College Mangalore**

## Preamble



For final year B.Sc v<sup>th</sup> Semester Microbiology students, field visit is a part of curriculum. In the Covid -19 global pandemic, visit to the industry/Institute or Diagnostic lab was prohibited. Hence all the final year B.Sc Students were informed to visit the virtual websites related to covid and collect the information Covid -19 pandemic from history and development of the vaccine. All of them have put sincere efforts to write their topic well and accompanied by the references from where they obtained the Covid information. Collection of these topics is compiled as '**Covid Compodium**' and it is made available for the readers in the Microbiology department.

I thank all the students for their contribution esp. Agaje Gowri and Aishwarya for submitting two topics. Also the contribution of our Lab assistant, Rakshitha for computer work is worth appreciable. My regards to Mrs.Sumangala, Kalavathi, Rakshitha and Mrs Usha for their support and Cooperation in cooperation.



## INDEX

Sl.No.	Name of the student	Name of the Topic
1.	Shashanth B	Origin and history of corona, Covid-19 pandemic
2.	Agaje Gowri S	Local and global spread of SARS-CoV-2
3.	Aishwarya shenoy k	Microbiology of covid -19
4.	Disha shetty	Spread of the virus, after human infection
5.	Nishmitha	The journey of virus, after human infection, sign and symptoms
6.	Varun V.R	Treatment for Covid-19
7.	Asiyath Nashath B M	Preventive measure of covid -19
8.	Badrual Afeeza Nisha	Preventive measure of covid 19 by hand sanitation
9.	Chaithra	Lockdown, sealdown, unlock social and personal distancing, containment and quarantine
10.	Harshaveena K	The steps taken in India to prevent covid 19 spread
11.	Ilashree M D	Role of pharmacy in covid 19 Pandemic.
12.	Pooja	Diagnosis of Covid -19
13.	Pratheek	Treatment options for Covid -19
14.	Ramlabanu	Challenges for the preparation of Covid -19 Vaccine
15.	Ruchitha S	Fear Factor in the society about covid -19
16.	Sapna	Advantages and disadvantages of Covid 19 lockdown
17.	Manisha	Effects of Covid-19 pandemic on the people 's mentality and Indian economy
18.	Sowmya	Effects of Covid -19 pandemic on the education and pollution control
19.	Thanisha	Experience of quarantined person cured by covid-19
20.	Kavya J	Burial of Covid-19 dead bodies
21.	Aishwarya shenoy k	Role of yoga ,Diet, Exercise, Fitness in life to fight and prevent corona infection
22.	Agaje Gowri S	The measure taken for the burial or funeral of a Covid-19 patient

# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

### SPREAD OF CORONA VIRUS



SUBMITTED TO,

**Dr. Bharathi Prakash**  
Head of the Department of microbiology  
University College , Mangaluru

SUBMITTED BY,



**Disha Shetty V**

**186535003**

# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that DISHA SHETTY V Reg No : 186535003 Class : III  
BSc B Semester V has visited and submitted the Field Visit Report to the  
Department of Microbiology, University College, Mangalore as prescribed  
by the Mangalore University during the year 2020-2021 towards the partial  
fulfilment of B.Sc degree.

Lecturer In Charge

Head of the Department

Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Kamranikatte Mangalore 575 001

Date of Examination: 04 - 03 - 2021

Valued By:

1. External Examiner

2. Internal Examiner

# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC STEPS TAKEN IN INDIA TO PREVENT COVID-19 SPREAD



SUBMITTED TO

**Dr. Bharathi Prakash**  
Head of the Department of Microbiology  
University College, Mangaluru

SUBMITTED BY



**HARSHA VEENA .K**

Reg no: 186535009

# University College, Mangalore

Re-Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that HARSHA VEENA .K Reg No :186535009  
Class 3<sup>rd</sup> BSc 'B' Semester 5<sup>th</sup> has visited and submitted the Field Visit  
Report to the Department of Microbiology, University College, Mangalore  
as prescribed by the Mangalore University during the year 2020-2021  
towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Head of the Department

Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Hampdenkote, Mangalore - 575 001

Date of Examination:

Valued By:

1. External Examiner

2. Internal Examiner

  
16/12/21

# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

## ROLE OF PHARMACY



SUBMITTED TO

Dr. Bharathi Prakash  
Head of the Department of microbiology  
University College, Mangaluru

SUBMITTED BY

Name: Ilashree M D

Reg no: 186535010





# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that ILASHREE M D Reg No : 186535010 Class III B.Sc..B Semester V has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year 2020-2021 towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Head of the Department

Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Mangalore, Mangalore - 575 001

Date of Examination: 4/03/2021

Valued By:

1. External Examiner

  
4/3/21

2. Internal Examiner

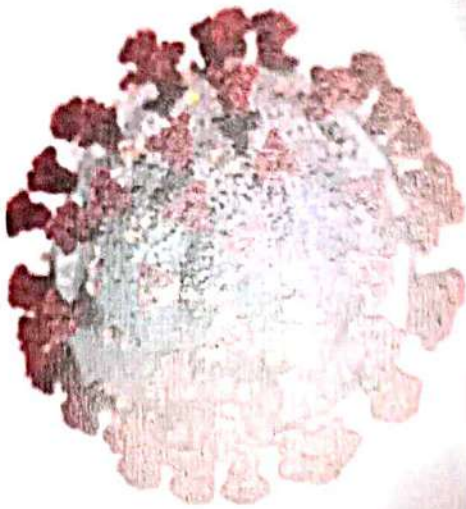
# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

## BURIAL OF COVID-19 DEADBODIES



SUBMITTED TO,

Dr. Bharathi Prakash  
Head of the Department of Microbiology  
University College, Mangaluru

SUBMITTED BY,



KAVYA J  
Reg. No.: 186535019

# University College, Mangalore


Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that KAVYA J Reg No : 186535019  
Class 3<sup>rd</sup> BSc 'B' Semester 5<sup>th</sup> has visited and submitted the Field Visit  
Report to the Department of Microbiology, University College, Mangalore as  
prescribed by the Mangalore University during the year 2020-2021 towards  
the partial fulfilment of B.Sc degree.

Lecturer In Charge

  
Head of the Department  
Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Nampankatta, Mangalore - 575 001

Date of Examination: 4 - 03 - 2021

Valued By:

1. External Examiner

  
4/3/21

2. Internal Examiner



# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

EFFECT OF COVID-19 ON PEOPLE AND INDIAN  
ECONOMY



SUBMITTED TO

Dr.Bharathi Prakash  
Head of the Department of microbiology  
University College ,Mangaluru

SUBMITTED BY



Manisha  
Reg. No186535016

# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that MANISHA

Reg No : 186535016 Class III BSc B Semester V has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year 2020-2021 towards the partial fulfilment of B. Sc degree.

Lecturer In Charge

Head of the Department

Head of the Department of Microbiology  
**UNIVERSITY COLLEGE**  
Mampankatta, Mangalore - 575 001

Date of Examination: 4/3/2021

Valued By:

1. External Examiner

2. Internal Examiner

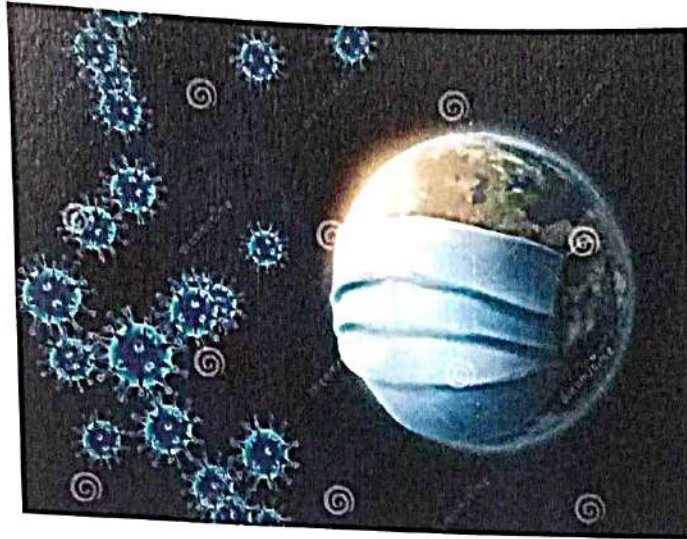
# University College Mangalore

(Re-Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

### Preventive measures of COVID-19



Submitted To,  
**Dr. Bharathi Prakash**  
Head of the Department of Microbiology  
University College, Mangalore

Submitted By,



**Asiyath Nashath B M**  
186535006

# University College, Mangalore

Re-Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that Asiyath Nashath B. M. Reg<sup>1</sup>No: 186535006  
Class III B.Sc 'B', Semester V has visited and submitted the Field Visit  
Report to the Department of Microbiology, University College, Mangalore  
as prescribed by the Mangalore University during the year 2020-21  
towards the partial fulfilment of B.Sc degree.

Lecturer in Charge

Head of the Department  
Head of the Department of Microbiology  
**UNIVERSITY COLLEGE**  
Mannankatra, Mangalore - 575 001

Date of Examination:

Valued By:

1. External Examiner

  
4/3/21

2. Internal Examiner

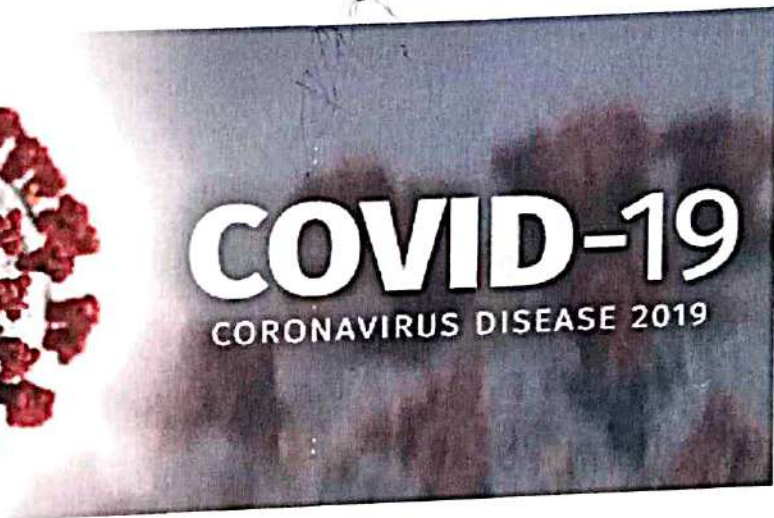
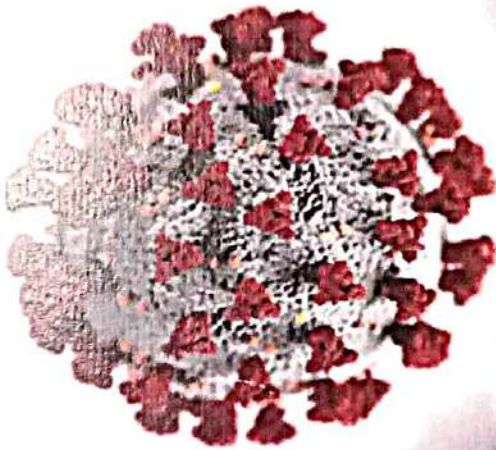
# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

## PREVENTIVE MEASURES OF COVID-19



SUBMITTED TO,

**Dr. Bharathi Prakash**

Head of the Department of Microbiology

University College, Mangaluru

SUBMITTED BY,



**BADRUL AFEEZA NISHA**

Reg. No.: 186535007



# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC




## CERTIFICATE

This is to certify that BADRUL AFEEZA NISHA Reg No :186535007


Class 3<sup>rd</sup> BSc 'B' Semester 5<sup>th</sup> has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year 2020-2021 towards the partial fulfilment of B.Sc degree.

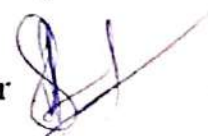
Lecturer In Charge

  
Head of the Department  
Head of the Department of Microbiology,  
**UNIVERSITY COLLEGE**  
Hampankatta, Mangalore - 575 001

Date of Examination:

Valued By:

1. External Examiner 

2. Internal Examiner 

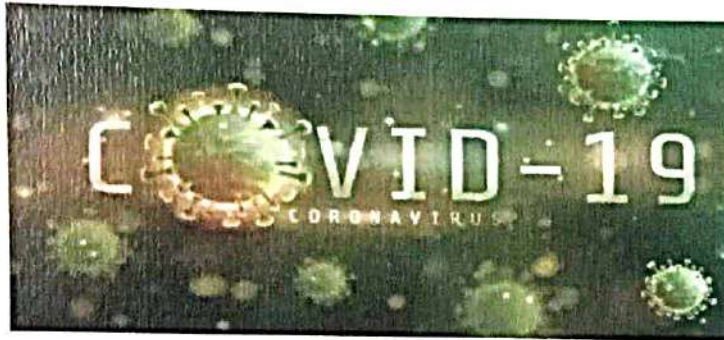
# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

## THE JOURNEY OF VIRUS, AFTER HUMAN INFECTION SIGN AND SYMPTOMS, CASUALTY LEADING TO DEATH.



SUBMITTED TO

Dr. Bharathi Prakash  
Head of the Department of Microbiology  
University College, Mangaluru

SUBMITTED BY



Nishmitha

Reg no: 186535004

# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that NISHIMITHA Reg No :186535004 Class 3<sup>rd</sup> BSc 'B' Semester 5<sup>th</sup> has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year 2020-2021 towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Head of the Department

Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Mannankatta Mangalore - 575 001

Date of Examination: 04/3/2021

Valued By:

1. External Examiner

  
4/3/21

2. Internal Examiner

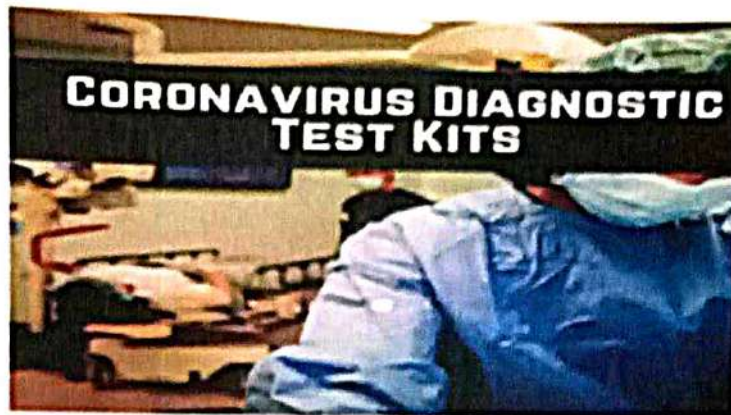
# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

## DIAGNOSIS OF COVID -19



SUBMITTED TO

Dr. Bharathi Prakash  
Head of the Department of microbiology  
University College, Mangaluru

SUBMITTED BY

POOJASHREE

Reg no. 186535011



# University College, Mangalore

Re-Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that POOJASHREE Reg No: 186535011 Class: III BSc B Semester V has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year 2020-2021 towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Head of the Department

Department of Microbiology, University College,  
Mangalore, Mangalore - 575 001

Date of Examination: 04/03/2021

Valued By:

1. External Examiner

2. Internal Examiner

# University College, Mangalore

(Re-accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC TREATMENT OPTIONS FOR COVID19



SUBMITTED TO

Dr. Bharathi Prakash  
Head of the Department of Microbiology  
University College, Mangaluru

SUBMITTED BY



PRATHEEK  
Reg. No: 186535012

# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

1

This is to certify that PRATHEEK Reg No : 186535012  
Class 3<sup>rd</sup> BSc 'B' Semester 5<sup>th</sup> has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year 2020-2021 towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Head of the Department  
Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Mannankatra, Mangalore - 575 001

Date of Examination: 04-03-2021

Valued By:

1. External Examiner

2. Internal Examiner

# University College Mangalore

(Re-Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC Covid-19: Challenges for Vaccine Preparation



Submitted To,  
Dr. Bharathi Prakash  
Head of the Department of Microbiology  
University College, Mangalore

Submitted By,



Ramla Banu  
186535013



# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that Ramla Banu Reg No: 186535013  
Class III B.Sc 'B', Semester V has visited and submitted the Field Visit  
Report to the Department of Microbiology, University College, Mangalore  
as prescribed by the Mangalore University during the year 2020-21  
towards the partial fulfilment of B.Sc degree.

Lecturer in Charge

Head of the Department  
Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Mangalore, Mangalore - 575 007

Date of Examination:

Valued By:

1. External Examiner

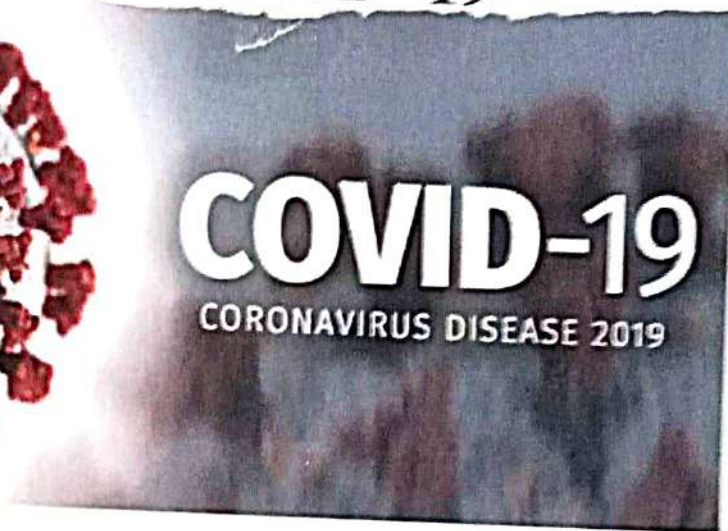
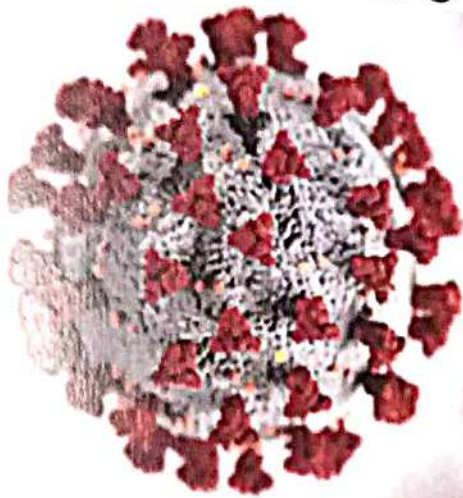
2. Internal Examiner

# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC FEAR FACTOR IN THE SOCIETY ABOUT COVID -19



SUBMITTED TO

Dr.Bharathi Prakash  
Head of the Department of microbiology  
University College ,Mangaluru

SUBMITTED BY



RUCHITHA S  
Reg no: 186535014

**University College, Mangalore**  
Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



**CERTIFICATE**


This is to certify that                     RUCHITHA S                     Reg No :186535014  
Class 3<sup>rd</sup> BSc 'B' Semester 5<sup>th</sup> has visited and submitted the Field Visit  
Report to the Department of Microbiology, University College, Mangalore  
as prescribed by the Mangalore University during the year 2020-2021  
towards the partial fulfilment of B.Sc degree.


  
Lecturer In Charge

  
Head of the Department  
Head of the Department of Microbiology  
**UNIVERSITY COLLEGE**  
Mampankarza Mangalore - 575 001

Date of Examination: 4/03/2021

Valued By:

1. External Examiner 

2. Internal Examiner 

# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

## ADVANTAGES AND DISADVANTAGES OF COVID-19 LOCKDOWN



Submitted to,  
Dr. Bharathi Prakash  
Head of the Department of microbiology  
University College, Mangaluru

Submitted by,



Sapna V S  
186535015

# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that SAPNA.V.S Reg No. 186535015 Class III BSc 'B' Semester V has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year 2020-2021 towards the partial fulfilment of B. Sc degree.

Lecturer In Charge

Head of the Department

Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Mangalore - 575 001

Date of Examination: 4/03/2021

Valued By:

1. External Examiner

2. Internal Examiner

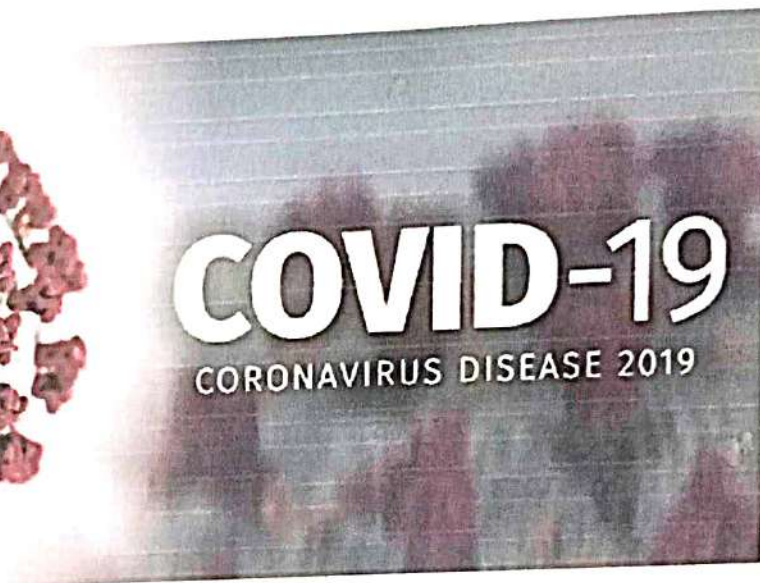
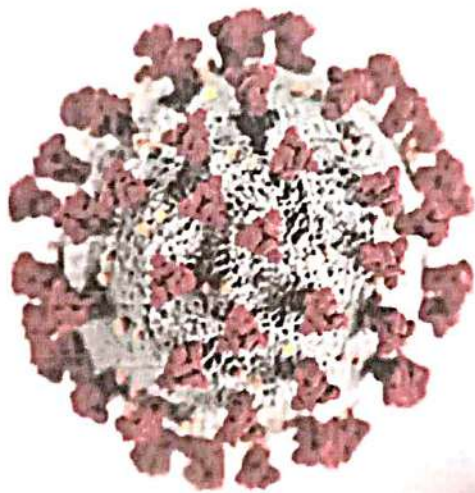
# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

## ORIGIN AND HISTORY OF CORONA VIRUS



SUBMITTED TO

**Dr. Bharathi Prakash**  
Head of the Department of microbiology  
University College, Mangaluru

SUBMITTED BY

**Shashanth B**

Reg no: 186534601



# University College, Mangalore

Re-Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that SHASHANTH B Reg No : 186534601  
Class 3<sup>rd</sup> BSc 'B' Semester 5<sup>th</sup> has visited and submitted the Field Visit  
Report to the Department of Microbiology, University College, Mangalore  
as prescribed by the Mangalore University during the year 2020-2021  
towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Date of Examination:

Valued By:

1. External Examiner

  
4/3/21

2. Internal Examiner

Head of the Department

Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Hampanakota, Mangalore - 575 001

# University College, Mangalore

(Re-Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC

## EXPERIENCE OF QUARANTINED PERSON CURED BY COVID-19



SUBMITTED TO,

Dr. Bharathi Prakash  
Head of the Department of microbiology  
University College , Mangaluru

SUBMITTED BY,



Thanisha Rai K  
186535018



# University College, Mangalore

Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

This is to certify that **THANISHA RAI K**

Reg No : 186535018 Class : III BSc B Semester V has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year 2020-2021 towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Head of the Department  
Head of the Department of Microbiology  
UNIVERSITY COLLEGE  
Mampankatta, Mangalore - 575 001

Date of Examination: 4-3-2021

Valued By:

1. External Examiner

2. Internal Examiner

# University College, Mangalore

(Re -Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC)

2020-2021

## VIRTUAL LAB VISIT REPORT ON COVID PANDEMIC



## TREATMENT FOR COVID-19

SUBMITTED TO

Dr. Bharathi Prakash  
Head of the Department of Microbiology  
University College, Mangaluru

SUBMITTED BY



**VARUN V.R**  
Reg no: 186535005

# University College, Mangalore

Re-Accredited with 'A' grade by NAAC, College with Potential for Excellence by UGC



## CERTIFICATE

**VARUN V R**

This is to certify that .....

Reg No :.....186535005..... Class ..III B.Sc..B.....Semester .....V...has visited and submitted the Field Visit Report to the Department of Microbiology, University College, Mangalore as prescribed by the Mangalore University during the year .....2021.....towards the partial fulfilment of B.Sc degree.

Lecturer In Charge

Head of the Department  
Head of the Department of Microbiology  
**UNIVERSITY COLLEGE**  
Manipalakkata, Mangalore-575 001

Date of Examination: 04-03-2021

Valued By:

1. External Examiner

2. Internal Examiner