



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD

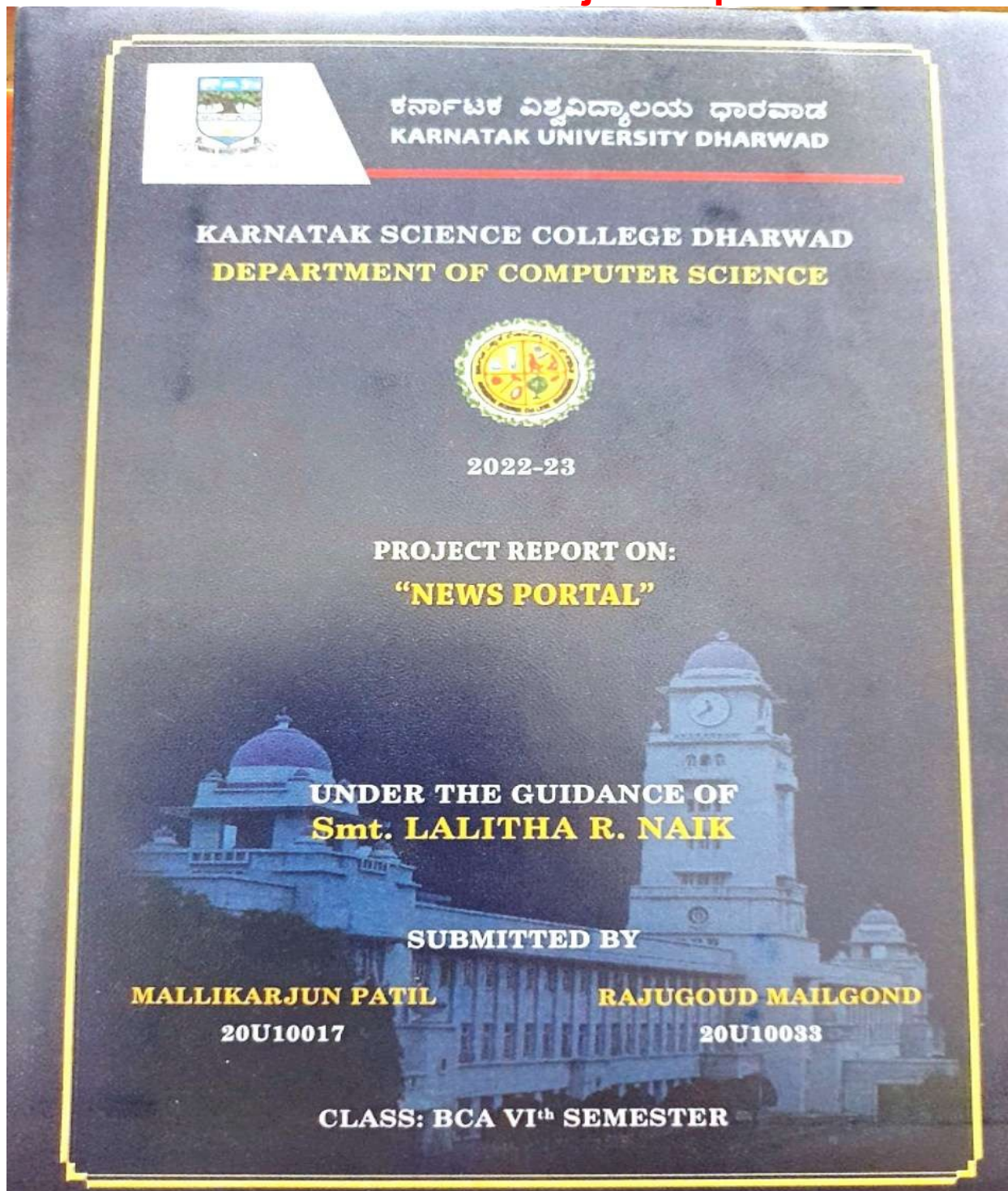
NAAC Accredited

Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334

Email: principal.kscd@gmail.com Web: www.kscd.ac.in



BCA Project Reports:



KARNATAKA SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE.

2022-2023

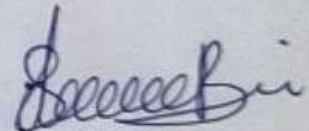


CERTIFICATE

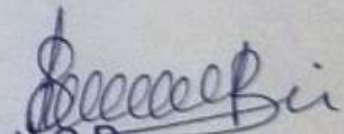
This is to certify that **Mr. MALLIKARJUN PATIL** and
Mr. RAJUGOUD MAILGOND has satisfactorily completed the project work
entitled **"NEWS PORTAL"** for the partial fulfilment of degree in Bachelor of
Computer Science from the Karnataka University, Dharwad for the year 2022-
2023.

Project Associates:

1. Mallikarjun Patil (20U10017)
2. Rajugoud Mailgond (20U10033)

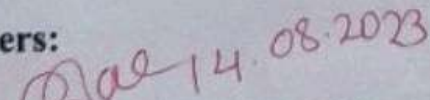
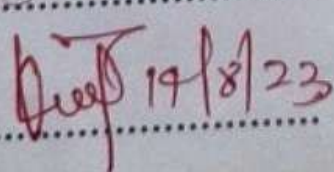

Project Guide:

SMT Lalita R Naik


H.O.D.

Dept. Of Computer Science
Head of the Department:
Karnatak Science College
Dharwad

Examiners:

1.  14.08.2023
2.  19/8/23



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KARNATAK UNIVERSITY DHARWAD

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE (BCA)

2022-2023



PROJECT
REPORT ON
JOB APPLICATION PORTAL

UNDER THE GUIDANCE OF

Prof. Rajshekhar V.B

SUBMITTED BY

MOHAMMAD ALI A K
20U10021
BCA 6th sem

NIKHIL D.D
20U10025
BCA 6th sem

KARNATAKUNIVERSITY'S
KARNATAK SCIENCE COLLEGE,DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE

This is to certify that **Mr. Nikhil D.D** and **Mr. Mohammad Ali** has Satisfactorily completed the project work entitle "**JOB APPLICATION PORTAL(WEBSITE)**" for the partial fulfillment of degree in Bachelor of Computer Application of Karnataka University Dharwad for the year 2022-23

Project associates:

- a. **Mohammad Ali**
- b. **Nikhil D.D**

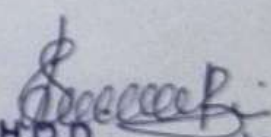

Project guide:

Prof.Rajshekar V.B

Examiners:

1.....

2.....


H.O.D
Dept. Of Computer Science
Karnatak Science College
Dharwad

10/8/23



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KARNATAK UNIVERSITY DHARWAD

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE (BCA)
2022-2023



PROJECT REPORT ON
“TETRIS GAME IN REACT”

UNDER THE GUIDANCE OF

Smt. Lalitha R Naik

SUBMITTED BY

Shridhar Wajapeya 20U10043

BCA 6th Sem

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE

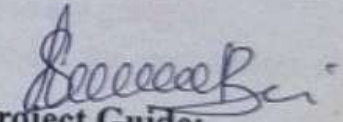
CERTIFICATE



This is to certify that **Shridhar Wajapeya** has Satisfactorily completed the project work entitle "**Tetris game in React**" for the partial fulfillment of degree in Bachelor of Computer Application of Karnataka University Dharwad for the year 2022-23.

Project associate:

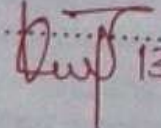
Shridhar Wajapeya
(20U10043)

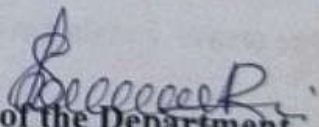

Project Guide:

Smt. Lalitha Niak

Examiners

1.....

2.....
 13/8/23.


Head of the Department
H.O.D. 10/8/23
Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
"ONLINE CLINIC SYSTEM"

UNDER THE GUIDANCE OF
Smt. LALITHA R. NAIK

SUBMITTED BY

PRASAD HIEMATH

20U10030

YOGESH PATIL

20U10034

CLASS: BCA VIth SEMESTER

KARNATAKA SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE.

2022-2023

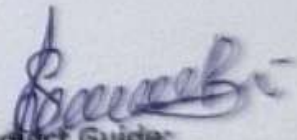


CERTIFICATE

This is to certify that Mr. PRASAD HIEMATH and Mr. YOGESH PATIL has satisfactorily completed the project work entitled "ONLINE CLINIC SYSTEM" for the partial fulfillment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

Project Associates:

1. PRASAD HIEMATH (20U10030)
2. YOGESH PATIL (20U10054)

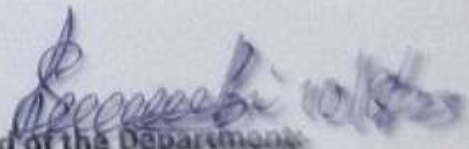

Project Guide:

SMT Lalitha R Naik

Examiners:

1.
2.

13.8.2023
13/8/23


Head of the Department
H.O.D
Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
**"BUILDING MATERIALS ONLINE BUYING
AND SELLING SYSTEM "**

UNDER THE GUIDANCE OF
Smt. LALITHA R. NAIK

SUBMITTED BY

Basavaraj M. Dyamangoudar

20U10008

Kiran A.Megundi

20U10013

CLASS: BCA VIth SEMESTER



**DEPARTMENT OF COMPUTER SCIENCE
BCA**

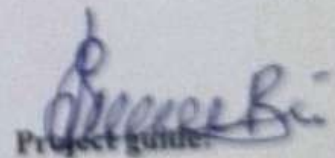
CERTIFICATE

This is to certify that **Mr Basavaraj Dyamangoudar** and **Mr Kiran Megundi** has Satisfactorily completed the project work entitle "Building Materials Online Buying And Selling system" for the partial fulfilment of degree in Bachelor of Science (Computer Science) of Karnataka University, Dharwad for the year 2022-23.

Project Associates:

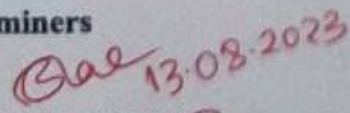
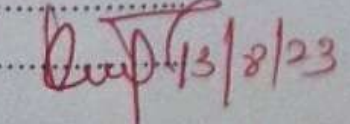
Basavaraj M.Dyamangoudar
(20U10008)

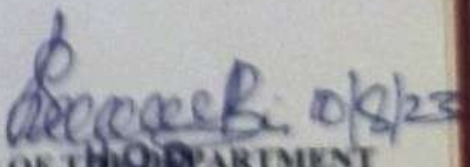
Kiran A.Megundi
(20U10013)


Project guide.

SMT. LALITHA R. NAIK

Examiners

1.  13.08.2023
2.  13/8/23

 08/8/23
HEAD OF THE DEPARTMENT
Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
"PAYING GUEST ACCOMMODATION SYSTEM
IN DHARWAD"

UNDER THE GUIDANCE OF
Smt. LALITHA R. NAIK

SUBMITTED BY

SRIDHAR K S

20U10048

AKSHAY S B

20U10002

CLASS: BCA VIth SEMESTER

KARNATAKA SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE
2022-2023



CERTIFICATE

This is to certify that **SRIDHAR K S, AKSHAY S B** has Satisfactorily completed the project work entitle **"PAYING GUEST ACCOMMODATION SYSTEM IN DHARWAD"** for the partial fulfilment of degree in Bachelor of Computer Application of Karnataka University, Dharwad for the year 2022-23.

Project associates:

Sridhar k s

Akshay S B

Project guides

SMT. LALITHA.R.NAIK

Examiners

1.

2.

Bae, 3-08-2023

Dep (13) 8/23

Head of the Department

H.O.D

Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

WIRE FENCING MANAGEMENT SYSTEM

UNDER THE GUIDANCE OF

Smt. Lalitha R Naik

SUBMITTED BY:

Rudresh Avarsang
20U10037
BCA VI SEM

Rohit Magadum
20U10035
BCA VI SEM

2023

KARNATAKA SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that **RUDRESH AVARSANG** and **ROHIT MAGADUM** have satisfactorily completed the project work entitled "Wire Fencing Management System" for the fulfilment of degree in Bachelor of Computer Application from the Karnataka University, Dharwad for the year 2022-2023.

Project Associates:

1. Rudresh Avarsang(20U10037)
2. Rohit Magadum(20U10035)

Project Guide

Smt. Lalitha R Naik

Examiners:

- 1-.....
Bae 13/08/2023
- 2-.....
Bae 13/8/23

Head of The Department
H.O.D

Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

**KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE**



A PROJECT REPORT ON

"RESORT PACKAGE SYSTEM"

**UNDER THE GUIDANCE OF
Smt. Lalitha R Naik**

SUBMITTED BY:

**NIKHITA M CHALAGERI
20U10026
BCA VI SEMESTER**

**SANDESH PATIL
20U10039
BCA VI SEMESTER**

2023

KARNATAKA SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE,

2022-2023



CERTIFICATE

This is to certify that **Miss, NIKHITA M CHALAGERI** and
Mr. SANDESH H PATIL has satisfactorily completed the project work
entitled "RESORT PACKAGE SYSTEM" for the partial fulfilment of degree in
Bachelor of Computer Science from the Karnataka University, Dharwad for the
year 2022-2023.

Project Associates:

1. Nikhita M Chalageri (20U10026)
2. Sandesh Patil (20U10039)

Project Guide:

SMT Lalita R Naik

Examiners:

1. 13/08/23
2. 13/8/23

Head of the Department:
H.O.D

Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
"ONLINE PROPERTY PORTAL"

UNDER THE GUIDANCE OF
Smt. AMBIKA R.

HEAD OF THE DEPARTMENT
Smt. LALITHA R. NAIK

SUBMITTED BY

Munni R Hanchwale

20U10023

Pramod R Ajjannavar

20U10029

CLASS: BCA VIth SEMESTER



DEPARTMENT OF COMPUTER SCIENCE
BCA
CERTIFICATE

This is to certify that **Munni R Hanchwale** and **Pramod R Ajjannavar** has Satisfactorily completed the project work entitle "Online Property Portal" for the partial fulfilment of degree in Bachelor of Computer Application of Karnatak University, Dharwad for the year 2022-23.

Project associates:

Munni R Hanchwale

Pramod R Ajjannavar

Project guide:

SMT. AMBIKA. R



Dept. Of Computer Science
Karnatak Science College
Head of Department
Dharwad

Examiners

1.....

2.....

Bae
13/8/2023

Prof
13/8/22



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KARNATAK UNIVERSITY DHARWAD

Karnatak University Dharwad

KARNATAK SCIENCE COLLEGE, DHARWAD

**DEPARTMENT OF COMPUTER SCIENCE
BCA & B.Sc. (CS)**



PROJECT REPORT ON

"RESTAURANT OR MENU"

UNDER THE GUIDANCE OF

Smt. Ambika R

HEAD OF THE DEPARTMENT

Smt. LALITHA R. NAIK

ANUPAMA R DESAI

20U10006

BCA 6 SEM

SAHANA S BADIGER

20U10038

BCA 6 SEM

2022-2023

KARANTAKA SCIENCE COLLEGE ,DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that **ANUPAMA R DESAI** and **SAHANA S BADIGER** has satisfactorily completed the project work entitled **"RESTAURANT QR MENU"** for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka Science College Dharwad for the year 2022-2023.

Project Associates:

1. ANUPAMA R. DESAI
2. SAHANA S BADIGER

Project Guide

SMT. AMBIKA.R



Examiners:

1-.....

2-.....

13/8/2023

13/8/23

Head Of The Department
Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

WARRIORS FITNESS WEB APPLICATION

UNDER THE GUIDANCE OF
Smt. Ambika R

SUBMITTED BY:

Akshay Shinde
20U10003
BCA VI SEM

Rajkumar Koluragi
20U10032
BCA VI SEM

2023

KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that **AKSHAY SHINDE** and **RAJKUMAR KOLURAGI** have satisfactorily completed the project work entitled "Warriors Fitness Web Application" for the fulfilment of degree in Bachelor of Computer Application from the Karnatak University, Dharwad for the year 2022-2023.

Project Associates:

1. Akshay Shinde
2. Rajkumar Koluragi

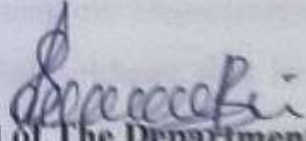
Project Guide

Smt. Ambika R

Examiners:

1-.....

2-.....


Head of The Department
H.O.D
Dept. Of Computer Science
Karnatak Science College
Dharwad

10/8/23



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KARNATAK UNIVERSITY DHARWAD

Karnatak University Dharwad

KARNATAK SCIENCE COLLEGE, DHARWAD

**DEPARTMENT OF COMPUTER SCIENCE
BCA & B.Sc. (CS)**



PROJECT REPORT ON

HOUSE PRICE PREDICTION

UNDER THE GUIDANCE OF

Smt. Ambika. R

SUBMITTED BY

HEMA M MUDDAPUR

20U10010

BCA 6th Sem

REKHA S BHIKSHAVATIMATH

20U10034

BCA 6th Sem

2022-2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE

This is to certify that **Ms. HEMA M MUDDAPUR** and **Ms. REKHA BHIKSHAVATIMATH** has Satisfactorily completed the project work entitle "**HOUSE PRICE PREDICTION**" for the partial fulfillment of degree in Bachelor of Computer Application of Karnataka University Dharwad for the year 2022-2023

Project Associates:

1. HEMA M MUDDAPUR
2. REKHA S BHIKSHAVATIMATH

Project Guide



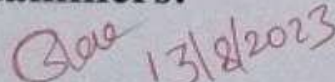
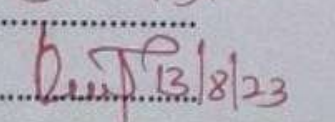
Smt. Ambika. R



H.O.D

Dept. Of Computer Science
Head of the Department
Karnatak Science College
Karnatak Science College
Dharwad

Examiners:

1.  13/8/2023
2.  13/8/23



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

STUDENT ATTENDANCE MONITORING SYSTEM

UNDER THE GUIDANCE OF
Smt. Ambika R.

SUBMITTED BY:

BASAMMA.H. PATIL
20U10007
BCA VI SEM

SPOORTHID. MURALKAR
20U10047
BCA VI SEM

2023



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA UNIVERSITY'S
KARNATAKA SCIENCE COLLEGE
DHARWAD

DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT SYNOPSIS ON:
"STUDENT ATTENDANCE MONITORING SYSTEM"

UNDER THE GUIDANCE OF

Smt. Ambika R.

HEAD OF THE DEPARTMENT

SMT. LALITHA R. NAIK

SUBMITTED BY

1)BASAMMA.H. PATIL (20U1007)

2)SPOORTHIL.D. MURALKAR (20U10047)

CLASS: BCA 6TH SEM



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KARNATAK UNIVERSITY DHARWAD

**KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE**



A PROJECT REPORT ON

**LAPTOP AND DESKTOP RENTAL
MANAGEMENT SYSTEM**

**UNDER THE GUIDANCE OF
Dr RAJSHEKAR V.B**

SUBMITTED BY:

**AKASH BASAVARAJ ATHAVANI
20U10001
BCA VI SEM**

**MOHAMMED AFFAN A ZIA
20U10022
BCA VI SEM**

2023

KARNATAKUNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD



DEPARTMENT OF COMPUTER SCIENCE
BCA

CERTIFICATE

This is to certify that **AKASH BASAVARAJ ATHAVANI** and **MOHAMMED AFFAN A ZIA** has Satisfactorily completed the project work entitle **"LAPTOP AND DESKTOP RENTAL MANAGEMENT SYSTEM"** for the partial fulfilment of degree in Bachelor of Computer Application of Karnataka University, Dharwad for the year 2022-23.

Project associates:

AKASH BASAVARAJ ATHAVANI
MOHAMMED AFFAN A ZIA

Project guide:

Dr RAJSHEKAR V.B

Examiners

1.....

2.....

Co-Ordinator 11/8/23



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

ONLINE POLICE COMPLAINTS SYSTEM

UNDER THE GUIDANCE OF
Smt. Ambika R.

SUBMITTED BY:

TEJASWINI F C
20U10051
BCA VI SEM

ANNAPOORNA I L
20U10005
BCA VI SEM

2023

KARNATAKA SCIENCE COLLEGE DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

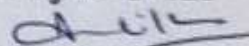
This is to certify that Miss TEJASWINI and Miss ANNAPOORNA has satisfactorily completed the project work entitled "ONLINE POLICE COMPLAINT SYSTEM" for the partial fulfillment of degree in Bachelor of Computer Application from the Karnataka University, Dharwad for the year of 2022-2023.

Project Associates:

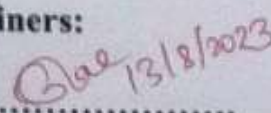
1 TEJASWINI F C (20U10051)

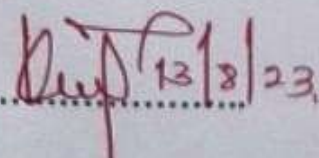
2 ANNAPOORANA I L (20U10005)

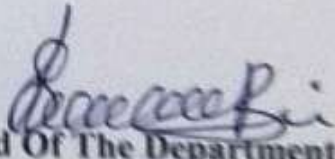
Project Guide


Smt. AMBIKA R

Examiners:

1-.....
 13/8/2023

2-.....
 13/8/23


Head Of The Department
H.O.D

Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD**

**DEPARTMENT OF COMPUTER SCIENCE (BCA)
2022-2023**



**PROJECT REPORT ON
"CAR RENTAL SYSTEM"**

**UNDER THE GUIDANCE OF
SMT. AMBIKA. R**

SUBMITTED BY

**RAHUL N. KADAM
20U10031
BCA 6th Sem**

**NAGARAJ J. HULMANI
20U10024
BCA 6th Sem**

2022-2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE

This is to certify that **Mr. Nagaraj J. Hulmani** and **Mr. Rahul N. Kadam** has Satisfactorily completed the project work entitle **"CAR RENTAL SYSTEM (WEBSITE)"** for the partial fulfillment of degree in Bachelor of Computer Application of Karnataka University, Dharwad for the year 2022-23

Project associates:

- a. NAGARAJ J. HULMANI
- b. RAHUL N. KADAM

Project guide:


SMT. AMBIKA .R

Examiners:

1.....

2.....


H.O.D
Head of the Department
Department of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD**

**DEPARTMENT OF COMPUTER SCIENCE (BCA)
2022-2023**



**PROJECT REPORT ON
"FLAPPY BIRD"**

**UNDER THE GUIDANCE OF
Shri. RAJSHEKHAR V.B.**

SUBMITTED BY

**SHRINIDHI BHAT
20U10044
BCA 6th Sem**

**SIDDAPPA F K
20U10045
BCA 6th Sem**

2022-2023

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE**



CERTIFICATE

This is to certify that **Mr. Siddappa F K** and **Ms. Shrinidhi Bhat** has Satisfactorily completed the project work entitle **"FLAPPY BIRD"** for the partial fulfillment of degree in Bachelor of Computer Application of Karnataka University Dharwad for the year 2022-23.

Project associates:

Siddappa F K

Shrinidhi Bhat

Project Guide:

Shri. Rajshekhar V.B

Examiners

1.....

2.....

Head of the Department
Dept. Of Computer Science
Karnatak Science College
Dharwad



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

ONLINE VEHICLE HIRING

UNDER THE GUIDANCE OF
DR. RAJSHEKHAR V.B

SUBMITTED BY:

Manoj B
20U10019
BCA VI SEM

Susmita K Naik
20U10050
BCA VI SEM

2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE

This is to certify that **MANOJ B(20U10019)** and **SUSMITA K NAIK(20U10050)** has satisfactorily completed the project work entitle **"ONLINE VEHICLE HIRING"** for the partial fulfilment of degree in Bachelor of Computer Application(BCA) of Karnataka University Dharwad for the year 2022-2023.

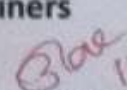
Project associates:

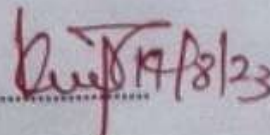
- 1) Manoj B
- 2) Susmita K Naik

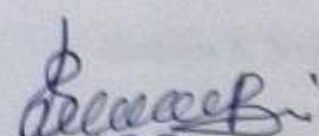
Project guide:

Dr. Rajshekhar V B

Examiners

1.  14-8-2023

2.  14/8/23


Head of the department
Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

Karnatak University Dharwad

KARNATAK SCIENCE COLLEGE, DHARWAD

**DEPARTMENT OF COMPUTER SCIENCE
BCA & B.Sc. (CS)**



PROJECT REPORT ON

"LIBRARY MANAGEMENT SYSTEM"

UNDER THE GUIDANCE OF

Mr. RAJSHEKHAR V. B.

SUBMITTED BY

Lakshmi R Mannammanavar

20U10014

BCA 6th Sem

Manoj Betadur

20U10020

BCA 6th Sem

2022-2023

KARANTAK SCIENCE COLLEGE , DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that **Mr. MANOJ BETADUR** and **LAKSHMI MANNAMMANAVAR** has satisfactorily completed the project work entitled **"LIBRARY MANAGEMENT SYSTEM"** for the partial fulfillment of degree in Bachelor of Computer Science from the Karnatak University, Dharwad for the year 2022-2023.

Project Associates:

- 1) Lakshmi. R. Mannammanavar (20U10014)
- 2) Manoj. Betadur. (20U10020)

Project Guide:

MR. RAJSHEKHAR. B.

H.O.D

Examiners:

1.....

2.....

Dept. Of Computer Science
Karnatak Science College
Dharwad
SMT. LALITHA R. NAIK



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

HOSPITAL MANAGEMENT SYSTEM

UNDER THE GUIDANCE OF
Dr .Rajshekhar V.B

SUBMITTED BY:

Roshni.J.T
20U10036
BCA VI SEM

Suprita.M
20U10049
BCA VI SEM

2023

KARNATAKA SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that **Ms. Roshni.J.T** and **Ms. Suprita.A.M** has Satisfactorily completed the project work entitled "**HOSPITAL MANAGEMENT SYSTEM(WEBSITE)**" for the partial fulfilment of degree in Bachelor of Computer Application of Karnataka University, Dharwad for the year 2022-23.

Project associates:

1. **Roshni.J.T(20U10036)**
2. **Suprita.A.M(20U10049)**

Project guide:

Prof.Rajshekar.V.B

Examiners:

1. *Blac 14/8/2023*

2. *Prof 14/8/23*

Head of the Department



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
"COLLEGE INFORMATION SYSTEM"

UNDER THE GUIDANCE OF
SMT.KALPANA C. DALWAI

SUBMITTED BY
SAGAR S PALLED
20U11552

CLASS: BCA VIth SEMESTER



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KARNATAK UNIVERSITY DHARWAD

Karnatak University Dharwad

KARNATAK SCIENCE COLLEGE, DHARWAD

**DEPARTMENT OF COMPUTER SCIENCE
BCA & B.Sc. (CS)**



PROJECT REPORT ON
NEWSPAPER DISTRIBUTION

UNDER THE GUIDANCE OF
SMT. KALPANA C. DALWAI

SUBMITTED BY

KARABASAYYA

20U10012

BCA 6th Sem

2022-2023

KARNATAKA SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023

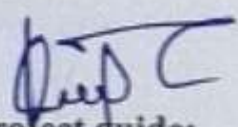


CERTIFICATE

This is to certify that **Mr. KARABASAYYA I MATHAPATI** has satisfactorily completed the project work entitled "NEWSPAPER DISTRIBUTION" for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

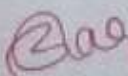
Project Associates :

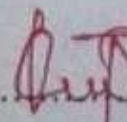
KARABASAYYA I M (20U10012)


Project guide:

Smt. KALPANA.C. D

Examiners :

1-  14/08/2023

2-  14/8/23


H.O.D
Head of the Department
Department of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE



PROJECT REPORT ON

"Online Pooja Management"

UNDER THE GUIDANCE OF

SMT. KALPANA C. D

SUBMITTED BY

Laxmi B Karamalli

20U10015

BCA 6th SEM

Savita S Patil

20U10042

BCA 6th SEM

2022-2023

KARNATAK SCIENCE COLLEGE DHRWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that **Ms. Laxmi B Karamalli** and **Ms. Savita S Patil** has Satisfactorily completed the project work entitle "**Online Pooja Management**" for the partial fulfillment of degree in Bachelor of Computer Application of Karnataka University, Dharwad for the year 2022-23.

Project associates

Laxmi .B .Karamalli

Savita.S.Patil

Project guide

SMT.KALPANA.C.DALWAI



H.O.D

Dept. Of Computer Science
Head of the Department
Karnatak Science College
Dharwad

Examiners

1-.....

2-.....

14/8/2023
19/8/23



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE, DHARWAD

**DEPARTMENT OF COMPUTER SCIENCE
BCA & B.Sc. (CS)**



PROJECT REPORT ON

CINEMA TICKET RESERVATION SYSTEM

UNDER THE GUIDANCE OF

Smt. KALPANA. C. D

SUBMITTED BY

1) SANTOSH GANIGER (20U10041) BCA-VI SEM

2) POORNIMA TERDAL (20U10028) BCA-VI SEM

2022-2023

KARNATAKA SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE

2022-2023



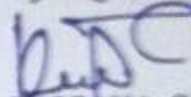
CERTIFICATE

This is to certify that **Mr. SANTOSH G GANIGER** and **POORNIMA TERDAL** has satisfactorily completed the project work entitled "CINEMA TICKET RESERVATION SYSTEM" for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

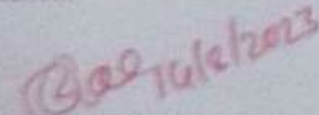
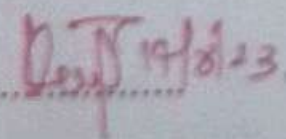
Project Associates:

1. SANTOSH GANIGER(20U10041)
2. POORNIMA TERDAL (20U10028)

Project guide


Smt. KALPANA. C. D

Examiners:

- 1-  16/6/2023
- 2-  17/8/23.


H.O.D
Head of the department
Dept. of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
"TRAVEL CHASER"

UNDER THE GUIDANCE OF
SMT.KALPANA C. DALWAI

HEAD OF THE DEPARTMENT
SMT. LALITHA.R. NAIK

SUBMITTED BY
VAISHNAVI KARADI

20U10052

CLASS: BCA VIth SEMESTER

"B.Sc(Cs) Project Reports:



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KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE

2022-2023



PROJECT REPORT ON
"NATOURS"

UNDER THE GUIDANCE OF
SMT.KALPANA C. DALWAI

SUBMITTED BY

B.M VENKATESH PRASAD

(20M10005)

BSC(CS) VIth SEM

KARANTAKA SCIENCE COLLEGE,
DHARWAD
DEPARTMENT OF COMPUTER SCIENCE
2022-2023



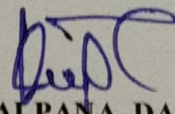
CERTIFICATE

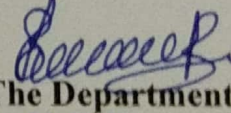
This is to certify that **B.M VENKATESH PRASAD** has satisfactorily completed the project work entitled "Natours" for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

Project Associates:

B.M VENKATESHPRASAD

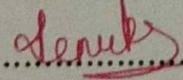
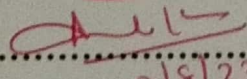
Project Guide


SMT.KALPANA. DALWAI


Head of The Department
H.O.D

Dept. Of Computer Science
Karnatak Science College
SMT.LALITHA R. NAIK
Dharwad

Examiners:

1-  12/8/23
2-  12/8/23



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KARNATAK UNIVERSITY DHARWAD

Accredited by NAAC with 'A' Grade

KARNATAK UNIVERSITY'S



**KARNATAK SCIENCE COLLEGE
DHARWAD**



**DEPARTMENT OF COMPUTER SCIENCE
2022-2023**

PROJECT REPORT ON

ONLINE PG MANAGEMENT SYSEM

UNDER THE GUIDANCE OF

DR. Rajshekhar. V. B

HEAD OF THE DEPARTMENT

SMT. LALITHA.R. NAIK

SUBMITTED BY

**SURYAKANT K DADDIMANI
20M10031
BSC(CS)6th SEM**

**AMOL S RATHOD
20M10002
BSC(CS)6th SEM**

ONLINE PG MANAGEMENT SYSTEM

KARNATAK SCIENCE COLLEGE, DHARWAD DEPARTMENT OF COMPUTER SCIENCE 2022-2023



CERTIFICATE

This is to certify that **Mr. SURYAKANT K DADDIMANI** and **Mr. AMOL S RATHOD** has satisfactorily completed the project work entitled "Online PG MANAGEMENT SYSTEM" for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-23.

Project Associate:

**SURYAKANT K D
AMOL S RATHOD**

Project guide:

DR. RAJSHEKAR.V. BARKER

Examiners

1. Senub 12/8/23
2. Shil 12/8/23

H.O.D.
Co-ordinator 10/8/23
Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

STUDENT MANAGEMENT SYSTEM

UNDER THE GUIDANCE OF
MR. RAJSHEKHAR.V.BARAKER

SUBMITTED BY:

AISHWARYA P KHEMALAPURE
20M10001
BSC (CS) VI SEM

OMSAINATH S DANDIN
20M10019
BSC (CS) VI SEM

2023

KARANTAKA SCIENCE COLLEGE , DHARWAD

DERPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that **AISHWARYA P KHEMALAPURE** and **OMSAINATH S DANDIN** has satisfactorily completed the project work entitled "Student Management System" for the partial fulfillment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023

Project Associates

1.AISHWARYA P KHEMALAPURE

2. OMSAINATH S DANDIN

Project guide

MR. RAJSHEKHAR.V.BARAKER

Examiners:

1-.....*Senuk* 12/8/23

2-.....*Aul*

12/8/23

Samy Bai
Head of The Department
Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

Karnatak University, Dharwad

KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE



PROJECT REPORT ON

A DOG'S WORLD

UNDER THE GUIDANCE OF

SMT. KALPANA C. DALWAI

SUBMITTED BY

Tejaswini H. Patil

20M10032

B.Sc. (CS) 6th SEM

Chaitra S. Ganiger

20M10007

B.Sc. (CS) 6th SEM

2022-2023

KARNATAKA SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



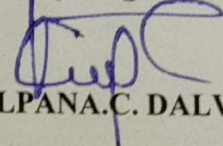
CERTIFICATE

This is to certify that **Ms. Tejaswini .H. Patil** and **Ms. Chaitra .S. Ganiger** has satisfactorily completed the project work entitled **“A DOG’S WORLD”** for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

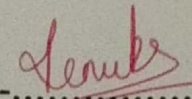
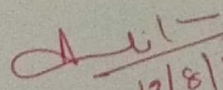
Project Associates:

1. TEJASWINI.H. PATIL (20M10032)
2. CHAITRA. S. GANIGER (20M10007)

Project guide:


Smt. KALPANA.C. DALWAI

Examiners:

- 1-  12/8/23
- 2-  12/8/23


Head of the department:
Dept. Of Computer Science
Karnatak Science College
Dharwad



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
“AGROCRAFT MANAGEMENT”

UNDER THE GUIDANCE OF
DR. RAJSHEKHAR V.B

HEAD OF THE DEPARTMENT
SMT. LALITHA R. NAIK

SUBMITTED BY

MAHANTESH H
20M10014

SANTOSH RATHOD
20M10027

CLASS: BSC(CS) VIth SEMESTER

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE



CERTIFICATE

This is to certify that **MAHANTESH H(20M10014)** and **SANTOSH RATHOD (20M10027)** has satisfactorily completed the project work entitle **"AGROCRAFT MANAGEMENT"** for the partial fulfilment of degree in Bachelor of Computer Application (BSC(CS)) of Karnataka University Dharwad for the year 2022-2023.

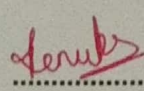
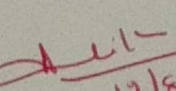
Project associates:

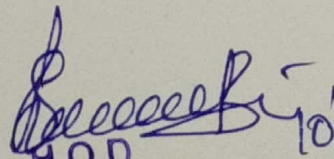
- 1) Mahantesh H
- 2) Santosh Rathod

Project guide:

Dr. Rajshekhar V B

Examiners

1.  12/8/23
2.  12/8/23


H.O.D
Dept. of Computer Science
Karnatak Science College
Dharwad
10/8/23



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KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
“TASK MANAGEMENT SYSTEM”

UNDER THE GUIDANCE OF
Dr. RAJSHEKHAR V.B

SUBMITTED BY
MEHAVISH TORGAL

20M10016

CLASS: BSC(CS) VIth SEMESTER

KARANTAKA SCIENCE COLLEGE ,
DHARWAD
DEPARTMENT OF COMPUTER SCIENCE
2021-2022

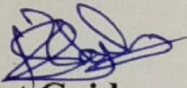


CERTIFICATE

This is to certify that **Mehavish.A.Torgal** satisfactorily completed the project work entitled "**Task Management System**" for the partial fulfilment of degree in Bachelor of Computer Science from the University, Dharwad for the year **2022-2023**.

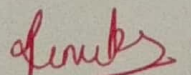
Project Associate:

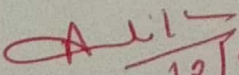
Mehavish.A.Torgal

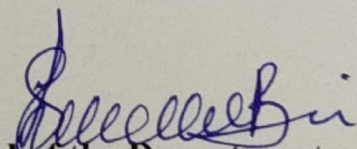

Project Guide:

Dr. Rajshekar V.B

Examiners:

1-  12/8/23

2-  12/8/23


Head of the Department
H.O.D
Dept. Of Computer Science
Karnatak Science College
Dharwad
SMT.LALITHA.R. NAIK



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KARNATAK UNIVERSITY DHARWAD

**KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE**



A PROJECT REPORT ON

PARIVARTAN AYUR CARE

UNDER THE GUIDANCE OF

Smt. Lalitha R Naik

SUBMITTED BY:

**YASMEEN ANSARI
20M10035
BSC VI SEM**

**KAVYA BHAVIKATTI
20M10010
BSC (CS) VI SEM**

2023

KARANTAKA SCIENCE COLLEGE , DHARWAD

DERPARTMENT OF COMPUTER SCIENCE

2022-2023

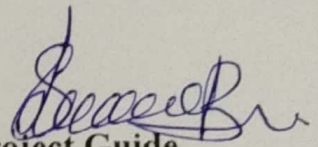


CERTIFICATE

This is to certify that **YASMEEN ANSARI** and **KAVYA B BHAVIKATTI** has satisfactorily completed the project work entitled "PARIVARTAN AYUR CARE" for the partial fulfillment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

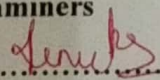
Project Associates

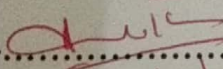
1. Kavya B Bhavikatti(20M10010)
2. Yasmeen Ansari(20M10035)


Project Guide

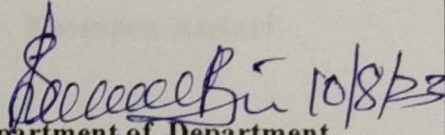
Smt. Lalita R Naik

Examiners

1- 

2- 

12/8/23


Head Department of Department

H.O.D.
Dept. Of Computer Science
Karnatak Science College
Dharwad



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

Transgender Welfare

UNDER THE GUIDANCE OF
Smt.LALITA R. NAIK

SUBMITTED BY:

Vanita P.Naik
20M10033
BSC (CS) VI SEM

Rangeela K Daddimani
20M10023
BSC (CS) VI SEM

2023

KARANTAKA SCIENCE COLLEGE,
DHARWAD
DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that Vanita P Naik and Rangeela has satisfactorily completed the project work entitled "Transgender Welfare in Karnataka" for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

Project Associates:

Vanita P Naik

Rangeela K Daddimani

[Signature]
Project Guide

SMT.LALITHA.R.NAIK

Examiners:

1- *[Signature]* 12/8/23

2- *[Signature]*
12/8/23

[Signature] 10/8/23
Head of The Department

H.O.D
SMT.LALITHA.R.NAIK
Dept. Of Computer Science
Karnatak Science College
Dharwad



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

POLIO VACCINATION SYSTEM

UNDER THE GUIDANCE OF
Smt. LALITHA.R. NAIK

SUBMITTED BY:

Mubbassirkhan Jahagirdar
20M10017
BSC (CS) VI SEM

Madhu Kalakeri
20M10013
BSC (CS) VI SEM

2023

KARNATAKA UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE

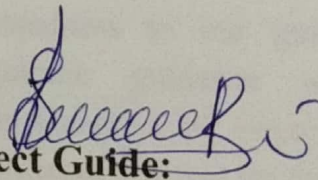
2022-2023

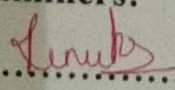
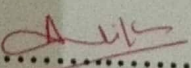


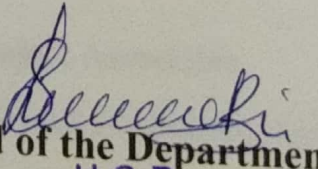
CERTIFICATE

This is to certify that *Mrs. Mubbassirkhan Jahagirdar (20M10017)* and *Miss. Madhu Kalakeri (20M10013)* has satisfactorily completed the project work entitled "**Polio Vaccination System**" for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University's, Dharwad for the year 2022-2023

Project Associates:
Mubbassirkhan Jahagirdar
Madhu Kalakeri


Project Guide:
SMT. LALITHA.R. NAIK

Examiners:
1-  12/8/23
2-  12/8/23

 10/8/23
Head of the Department
H.O.D
SMT. LALITHA.R. NAIK
Dept. of Computer Science
Karnatak Science College
Dharwad



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

**KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE**



A PROJECT REPORT ON

ONLINE MILK MANAGEMENT SYSTEM

**UNDER THE GUIDANCE OF
Smt. Ambika.R.**

SUBMITTED BY:

**CHANABASAVVA .P
20M10008
BSC (CS) VI SEM**

**KAVYA RATHOD
20M10011
BSC (CS) VI SEM**

2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



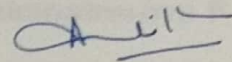
CERTIFICATE

This is to certify that Ms. Kavya Rathod and Ms. Chanabasavva has Satisfactorily completed the project work entitle **"ONLINE MILK MANAGEMENT SYSTEM(WEBSITE)"** for the partial fulfillment of degree in Bachelor of Science(Computer Science) of Karnataka University Dharwad for the year 2022-23.

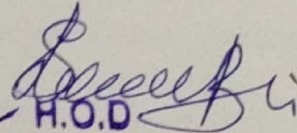
Project associates:

- a. KAVYA RATHOD
- b. CHANABASAVVA P

Project guide:

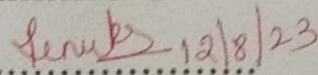
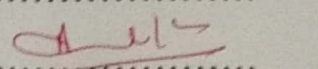


Smt. AMBIKA R


H.O.D.

Head of the Department
Dept. Of Computer Science
Karnatak Science College
Dharwad

Examiners

- 1.  12/8/23
- 2.  12/8/23



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KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

**DEVELOPING A WEB APPLICATION FOR OIL
DISTRIBUTION**

UNDER THE GUIDANCE OF

Smt. Ambika.R.

SUBMITTED BY:

PRIYANKA .B. RAJPUT
20M10021
BSC VI SEM

NANDA .S. GUDLI
20M10018
BSC (CS) VI SEM

2023

KARANTAKA SCIENCE COLLEGE , DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



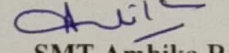
CERTIFICATE

This is to certify that **PRIYANKA B RAJPUT** and **NANDA S GUDLI** has satisfactorily completed the project work entitled "**WEB APPLICATION FOR OIL DISTRIBUTION**" for the partial fulfillment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

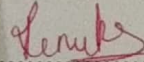
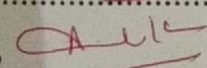
Project Associates:

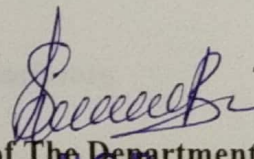
1. **PRIYANKA B RAJPUT**
2. **NANDA S GUDLI**

Project Guide


SMT Ambika R

Examiners:

1.  12/8/23
2.  12/8/23


Head of The Department-

H.O.D.
Dept. Of Computer Science
Karnatak Science College
Dharwad



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

**KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE**



A PROJECT REPORT ON

QR-code Online Attendance

**UNDER THE GUIDANCE OF
Smt.LALITHA R. NAIK**

SUBMITTED BY:

**Shreya Sonnad
20M10029
BSC (CS) VI SEM**

**Bhavana Hiremath
20M10006
BSC (CS) VI SEM**

2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

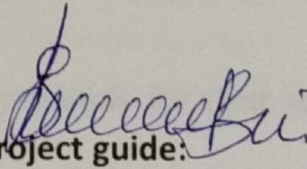


CERTIFICATE

This is to certify that **Miss. SHREYA SONNAD(20M10029)** and **Miss. BHAVANA HIEMATH(20M10006)** has satisfactorily completed the project work entitle **“QR-CODE ONLINE ATTENDANCE ”** for the partial fulfilment of degree in Bachelor of Computer Science(Bsc(cs)) of Karnataka University Dharwad for the year 2022-2023.

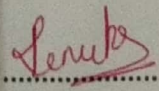
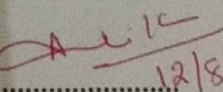
Project associates:

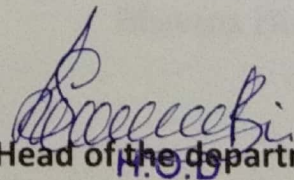
- 1) Shreya Sonnad
- 2) Bhavana Hiremath


Project guide:

Smt. Lalitha R Naik

Examiners

1.  12/8/23
2.  12/8/23

 10/8/23
Head of the department
Dept. Of Computer Science
Karnatak Science College
Dharwad



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
GROCERY ONLINE BILLING APPLICATION

UNDER THE GUIDANCE OF
Smt. KALPANA. C. DALWAI

SUBMITTED BY

SHRIRAKSHA U KULKARNI

20M10030

RAMESH G HANASI

20M10022

CLASS: BSC(CS) VIth SEMESTER

KARNATAKA SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



CERTIFICATE

This is to certify that Mr. RAMESH G HANASI and SHRIRAKSHA U KULKARNI has satisfactorily completed the project work entitled "GROCERY ONLINE BILLING APPLICATION" for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

Project Associates:

1. RAMESH G HANASI (20M10022)
2. SHRIRAKSHA U KULKARNI (20M10030)

Project guide

Smt. KALPANA. C. D

Examiners:

1-.....Serub.....12/8/23

2-.....A. V. S......12/8/23

Smt. Kalpana C. D.
H.O.D.
Head of the department
Dept. Of Computer Science
Karnatak Science College
Dharwad

10/8/23



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

KARNATAK SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



A PROJECT REPORT ON

ONLINE PG MANAGEMENT SYSYEM

UNDER THE GUIDANCE OF
Dr. RAJSHEKHAR.V.BARAKER

SUBMITTED BY:

SURYAKANT K DADDIMANI
20M10031
BSC (CS) VI SEM

AMOL S RATHOD
20M10002
BSC (CS) VI SEM

2023

KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE
2022-2023



CERTIFICATE

This is to certify that **Mr. SURYAKANT K DADDIMANI** and **Mr. AMOL S RATHOD** has satisfactorily completed the project work entitled "**Online PG MANAGEMENT SYSTEM**" for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-23.

Project Associate:

SURYAKANT K D
AMOL S RATHOD

Project guide:

DR. RAJSHEKAR.V. BARKER

Examiners

1. *[Signature]* 12/8/23
2. *[Signature]*
12/8/23

[Signature]
H.O.D. 10/8/23
Dept. of Computer Science
Karnatak Science College
Dharwad



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

Karnatak University Dharwad

KARNATAK SCIENCE COLLEGE, DHARWAD

**DEPARTMENT OF COMPUTER SCIENCE
BCA & B.Sc. (CS)**



PROJECT REPORT ON
PACKERS AND MOVERS

UNDER THE GUIDANCE OF
SMT. KALPANA C. DALWAI

SUBMITTED BY
REKHA S. MALAGI
20M10025
BCA 6th Sem

2022-2023

KARNATAKA SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF COMPUTER SCIENCE

2022-2023



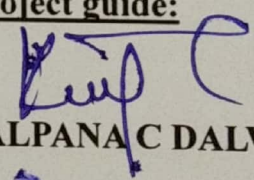
CERTIFICATE

This is to certify that **Ms.REKHA S MALAGI** has satisfactorily completed the project work entitled **"PACKERS AND MOVERS"** for the partial fulfilment of degree in Bachelor of Computer Science from the Karnataka University, Dharwad for the year 2022-2023.

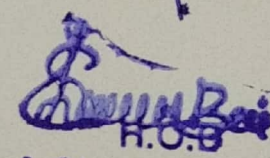
Project Associates:

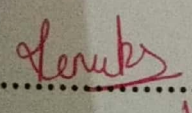
REKHA S MALAGI (20M10025)

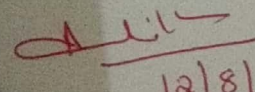
Project guide:


Smt. KALPANA C DALWAI

Examiners:


H.O.B.
Head of the Department
Karnatak Science College
Dharwad

1- 
12/8/23

2- 
12/8/23



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:

EDUEASY

UNDER THE GUIDANCE OF
Shri. RAJSHEKHAR V.B.

HEAD OF THE DEPARTMENT
SMT. LALITHA.R.NAIK

SUBMITTED BY

MANISH HONGAL

20M10015

KRISHNA DEVENDRAPPA NAGARAL

20M10012

CLASS: BSC(CS) VIth SEMESTER

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE
2022-2023**



CERTIFICATE

This is to certify that **Mr. Manish Hongal** and **Mr. Krishna Devendrappa Nagaral** has Satisfactorily completed the project work entitle "**EDUEASY (WEBSITE)**" for the partial fulfillment of degree in Bachelor of Computer Science of Karnataka University Dharwad for the year 2022-23.

PROJECT ASSOCIATES:

- a. Manish Hongal
- b. Krishna Devendrappa Nagaral

PROJECT GUIDE:

Shri. Rajshekar.V.B.

HEAD OF THE DEPARTMENT
Department of Computer Science
Karnatak Science College
Dharwad

EXAMINERS:

- 1. 12/8/23
- 2. 12/8/23



ಕರ್ನಾಟಕ ವಿಶ್ವವಿದ್ಯಾಲಯ ಧಾರವಾಡ
KARNATAK UNIVERSITY DHARWAD

KARNATAKA SCIENCE COLLEGE DHARWAD
DEPARTMENT OF COMPUTER SCIENCE



2022-23

PROJECT REPORT ON:
"COACHING CENTRE INFORMATION
MANAGEMENT SYSYEM"

UNDER THE GUIDANCE OF
SMT. AMBIKA R

SUBMITTED BY

ASHWINI.K. DANAPPAGOUDAR

20M10004

PRIYA.G. NAGARAL

20M10020

CLASS: BSC(CS) VIth SEMESTER

KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF COMPUTER SCIENCE
2022-2023



CERTIFICATE

This is to certify that **ASHWINI .K. DANAPPAGOUDAR,**
PRIYA .G. NAGARAL has Satisfactorily completed the project work entitle
“COACHING CENTRE INFORMATION MANAGEMENT SYSTEM” for
the partial fulfilment of degree in Bachelor of Computer Application of Karnataka
University, Dharwad for the year 2022-23.

Project associates:

ASHWINI.K. DANAPPAGOUDAR

PRIYA.G. NAGARAL

Project guide:

SMT.AMBIKA

Examiners :

1. 12/8/23
2. 12/8/23

Co-ordinator:
H.O.D
Dept. Of Computer Science
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS

PROJECT REPORT

on

**" Biodiversity, Wildlife and Protected Area
Management "**

Submitted By

DIKSHITA S HOSAMANI

(Reg. No: 20S10087)

Under the Guidance of

Dr. Srinivas B Neglur

Teaching Assistant

Department of Zoology,

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



Edit with WPS Office



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

11/8/23

CERTIFICATE



This is to certify that the work exemplified in this project report
entitled

" Biodiversity, Wildlife and Protected Area Management in India "

submitted by DIKSHITA S HOSAMANI with Registration number
20S10087 was carried out by him/her under my supervision, for the
partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date: 11/08/2023

Place: Dharwad

30/7/23
Project Supervisor

Examiner's Signature



Edit with WPS Office

Head of the Department

Head of the Department
of Zoology,
Karnatak Science College,
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS

PROJECT REPORT

on

**" Conservation of Biodiversity and Techniques
of People's Activism "**

Submitted By

Govindraddi Ashok Jakaraddi

(Reg. No: 20S10098)

Under the Guidance of

Dr. Srinivas B Neglur

Teaching Assistant

Department of Zoology,

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



Edit with WPS Office



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

11/8/23

CERTIFICATE



This is to certify that the work exemplified in this project report
entitled

" Conservation of Biodiversity and Techniques of People's Activism "

submitted by Govindraddi Ashok Jakaraddi with Registration number
20S10098 was carried out by him under my supervision, for the partial
fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date: 30/07/2023

Place: Dharwad

11/8/23

Project Supervisor

Examiner's Signature

Head of the Department

Head of the Department
Department of Zoology,
Karnatak Science College
Dharwad



Edit with WPS Office

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
“Role of NGO's in Wildlife Conservation in India”

Submitted By
Vijaylaxmi Langoti
(Reg. No:20S10386)

Under the Guidance of
Dr.Harsha D Neelagund
Assistant Professor
Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

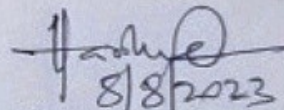
CERTIFICATE

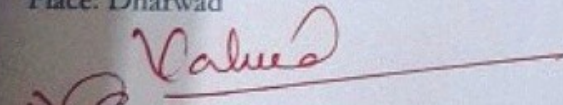


This is to certify that the work exemplified in this project report entitled
"Role of NGO's in Wildlife Conservation in India" submitted by **Vijaylaxmi**
Langoti with Registration number **20S10386** was carried out by him/her under
my supervision, for the partial fulfillment towards the degree of Bachelor of
Science during the academic year 2022-23.

Date:

Place: Dharwad


8/8/2023
Project Supervisor


1) 10/8/23
2) 10/8/2023

Examiner's Signature


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

KARNATAKUNIVERSITY'S
KARNATAKSCIENCECOLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT

on

**“BIODIVERSITY WILDLIFE AND PROTECTED AREA
MANAGEMENT IN INDIA : A PEOPLE CENTRED APPROACH”**

Submitted By

Prazwalbalaji. K

(Reg. No: 20S16824)

Under the Guidance of

DR. SRINIVAS. B. NEGLUR

Teaching Assistant

Department of Zoology,

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

12/8/23

12/8/23

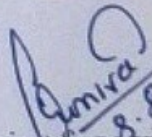
CERTIFICATE



This is to certify that the work exemplified in this project report entitled
“ BIODIVERSITY WILDLIFE AND PROTECTED AREA
MANAGEMENT IN INDIA : A PEOPLE CENTRED APPROACH
”submitted by Prazwalbalaj. K with Registration number 20S16824 was carried
out by him/her under my supervision, for the partial fulfillment towards the
degree of Bachelor of Science during the academic year 2022-23.

Date:

Place: Dharwad


Project Supervisor


Head of the Department

Examiner's Signature

KARNATAK UNIVERSITY'S
**KARNATAK SCIENCE COLLEGE,
DHARWAD**



DEPARTMENT OF ZOOLOGY

B. Sc VI Semester- CBCS

PROJECT REPORT
on
"CONSERVATION OF WILDLIFE POPULATIONS"

Submitted By

MADAN VISHNU MUNJE

(Reg. No: 20S10140)

Under the Guidance of

Vijaykumar Hiremani sir

Teaching Assistant

Department of Zoology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



12/8/23

12/8/23

DEPARTMENT OF ZOOLOGY

CERTIFICATE



This is to certify that the work exemplified in this project report entitled "CONSERVATION OF WILDLIFE POPULATIONS" submitted by MADAN VISHNU MUNJE with Registration number 20S10140 was carried out by his under my supervision, for the partial fulfillment towards the degree of Bachelor of Science during the academic year 2022-23.

Date:

Place: Dharwad

12/8/23

Project Supervisor

Examiner's Signature

Head of the Department
of Zoology.

Karnatak Science College

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
**“ Physicochemical Parameters of kelgeri pond
water”**

Submitted By
Sushmita K. Patil
(Reg. No: 20S10353)

Under the Guidance of
Dr. S. S. Mangalawede

Assistant Professor

Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

11/8/23

CERTIFICATE

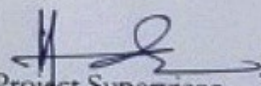


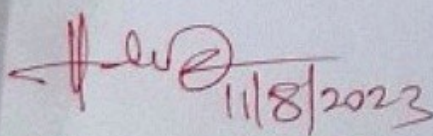
Value

This is to certify that the work exemplified in this project report entitled
“Physicochemical Parameters” submitted by Sushimita K. Patil with Registration
number 20S10353 was carried out by him/her under my supervision, for
the partial fulfillment towards the degree of Bachelor of Science during the academic year
2022-23.

Date:

Place: Dharwad


Project Supervisor


Examiner's Signature


Head of the Department
of Zoology,
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS

PROJECT REPORT

on

**“EFFECT OF CHEMICALS ON THE OXYGEN
CONSUMPTION OF FISH”**

Submitted By

VIJAYALAKSHMI C CHINIWAL

(Reg. No:20S10385)

Under the Guidance of

Dr.S S MANGALWADE

Assistant professor

Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



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KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

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G10/8/23

CERTIFICATE



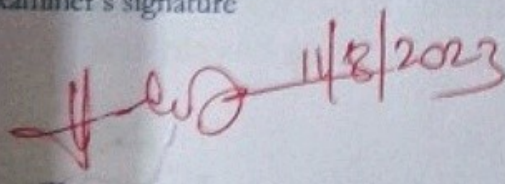
This is to certify that the work exemplified in this project report entitled
"EFFECT OF CHEMICALS ON OXYGEN CONSUMPTION OF
FISH" submitted by VIJAYALAKSHMI C CHINIWAL with Registration
number **20S10385** was carried out by him/her under my supervision, for the
partial fulfillment towards the degree of Bachelor of Science during the academic
year 2022-23.

Date: 11/08/2023

Place: Dharwad


Project Supervisor

Examiner's signature


11/8/2023


Head of the department


KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
“ Fishes of kelageri pond”

Submitted By
SAIYAD R. M.
(Reg. No: 20S10274)

Under the Guidance of
Dr. S. S. Mangalawede, sir.
Assistant Professor
Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

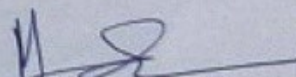
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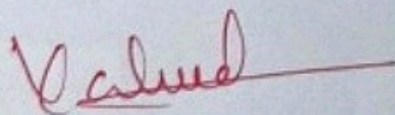


This is to certify that the work exemplified in this project report entitled
“Fishes in kelageri pond” submitted by SAIYAD R. M. with Registration number
____20S10274____ was carried out by him/her under my supervision, for the
partial fulfillment towards the degree of Bachelor of Science during the academic year
2022-23.

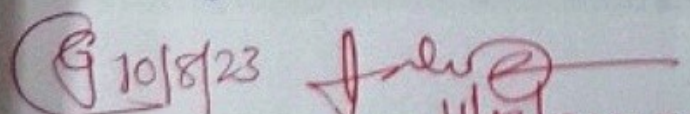
Date: 11/08/2023

Place: Dharwad


Project Supervisor



Examiner's Signature


11/8/2023


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College,
Dharwad.

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
**“EDIBLE POND FISHES OF DHRWAD FISH
MARKET ”**

Submitted By
BUSHRA MULLA
(Reg. No: 20S10069)

Under the Guidance of
DR. S S MANGALAWEDE

Assistant Professor
Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

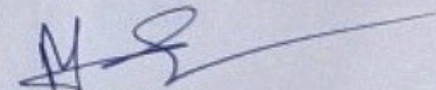
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11/8/23

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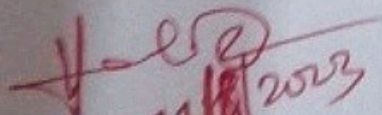


This is to certify that the work exemplified in this project report entitled
"EDIBLE POND FISHES OF DHARWAD FISH MARKET"
submitted by BUSHRA MULLA with Registration number 20S10069 was
carried out by her under my supervision, for the partial fulfillment towards the
degree of Bachelor of Science during the academic year 2022-23.

Date: 11/8/23
Place: Dharwad


Project Supervisor

Examiner's Signature


11/8/2023


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
**"CONSERVATION OF THREATENED SPECIES
THROUGH TECHNOLOGY"**

Submitted By
CHIDANAND V KADESHANAVAR
(Reg. No: 20S10076)

Under the Guidance of
Dr. R.D.SANAKAL
ASSISTANT PROFESSOR
Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



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DHARWAD



Department of Zoology

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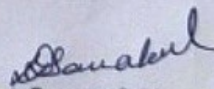
This is to certify that the work exemplified in this project report
entitled

"CONSERVATION OF THREATENED SPECIES THROUGH TECHNOLOGY"

submitted by CHIDANAND V KADESHANAVAR with Registration number
20S10076 was carried out by him/her under my supervision, for the
partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date: 13/08/23

Place: Dharwad


Project Supervisor


Head of the Department

Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
Hornbill Conservation and Monitoring

Submitted By

KIRAN S R

Reg. No: 20S10124

Under the Guidance of

Dr. R D Sankal

Assistant Professor

Department of Zoology,

Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



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DHARWAD



Department of Zoology

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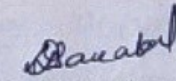
CERTIFICATE



This is to certify that the work exemplified in this project report entitled
" HORNBILL CONSERVATION AND MONITORING " submitted by
KIRAN S R with Registration number 20S10124 was carried out by him/her under
my supervision, for the partial fulfillment towards the degree of Bachelor of Science
during the academic year 2022-23.

Date: 13/08/23

Place: Dharwad


Project Supervisor


Head of the Department

Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS

PROJECT REPORT

on

" Tiger Habitat Restoration Methods "

Submitted By

Afrah Hebbal

(Reg. No: 20S10009)

Under the Guidance of

Dr. Rajeshwari Sankal

Assistant Professor

Department of Zoology,

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
**KARNATAK SCIENCE COLLEGE,
DHARWAD**



Department of Zoology

Valued
G13/8/23
ES

CERTIFICATE



This is to certify that the work exemplified in this project report entitled
"Tiger Habitat Restoration Methods" submitted by **Afrah Hebbal** with
Registration number **20S10009** was carried out by him/her under my supervision,
for the partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date:

Place: Dharwad

Afrah Hebbal
Project Supervisor

ES
Head of the Department

**Head of the Department
of Zoology,
Karnatak Science College,
Dharwad**

Examiner's Signature

KARNATAKUNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Zoology



B. Sc VI Semester- CBCS

PROJECT REPORT
on
“TIGER HABITAT RESTORATION METHODS”

Submitted By
ANIKIT MATTIHALLI
(Reg. No: 20S10029)

Under the Guidance of
Dr. R. D. Sanakal
HOD OF ZOOLOGY
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



DEPARTMENT OF ZOOLOGY

CERTIFICATE



This is to certify that the work exemplified in this project report
entitled "TIGER HABITAT RESTORATION METHODS" submitted by
ANKIT MATTIHALLI with Registration number 20S10029 was carried out
by her under my supervision, for the partial fulfillment towards the degree
of Bachelor of Science during the academic year 2022-23.

Date:

Place: Dharwad

Shankar
Project Supervisor

Shankar
Head of the Department
of Zoology,
Karnatak Science College,
Dharwad

Examiner's Signature

KARNATAK UNIVERSITY'S
**KARNATAK SCIENCE COLLEGE,
DHARWAD**



DEPARTMENT OF ZOOLOGY

B. Sc VI Semester- CBCS

PROJECT REPORT

on

**"EDUCATION & AWARENESS CAMPAIGNS TO
CONSERVE WILDLIFE SPECIES"**

Submitted By

Manikanta

(Reg. No: 20S10159)

Under the Guidance of

R. D. Sankal madam

Head of the Department

Department of Zoology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

Valued
G 13/8/23

13/8/23

CERTIFICATE



This is to certify that the work exemplified in this project report entitled
“ Education and Awareness Campaigns to conserve wildlife species ”
submitted by Manikanta with Registration number _20S10159_ was carried out
by him/her under my supervision, for the partial fulfillment towards the degree of
Bachelor of Science during the academic year 2022-23.

Date:

Place: Dharwad

Project Supervisor

Head of the Department

Examiner's Signature

Head of the Department
of Zoology,
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
**"EDUCATION & AWARENESS CAMPAIGNS TO
CONSERVE WILDLIFE SPECIES"**

Submitted By
MAIBOOB S DALAL
(Reg. No: 20S10150)

Under the Guidance of
DR. R.D.SANAKAL
Assistant Professor
Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

CERTIFICATE



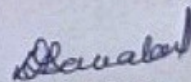
Valued
@ 13/8/23

13/8/23

This is to certify that the work exemplified in this project report
entitled
"Education & Awareness for Conservation of Wildlife Species"
submitted by MAIBOOB S DALAL with Registration number 20S10150
was carried out by him/her under my supervision, for the partial
fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date:

Place: Dharwad


Project Supervisor


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College,
Dharwad

Examiner's Signature

KARNATAK UNIVERSITY'S
**KARNATAK SCIENCE COLLEGE,
DHARWAD**



DEPARTMENT OF ZOOLOGY

B. Sc VI Semester- CBCS

PROJECT REPORT

on

**"EDUCATION & AWARENESS CAMPAINS TO
CONSERVE WILDLIFE SPECIES"**

Submitted By

MAILAR RUDRAPPA HANCHINAL

(Reg. No: 20S10151)

Under the Guidance of

Dr. Sankal Mam

Head of the Department

Department of Zoology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

Valued
6/13/23
13/10/23

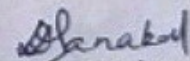
CERTIFICATE



This is to certify that the work exemplified in this project report entitled
"Education and Awareness campaigns to conserve wildlife species"
submitted by Mailar Rudrappa Hanchinal with Registration number 20S10151
was carried out by him/her under my supervision, for the partial fulfillment
towards the degree of Bachelor of Science during the academic year 2022-23.

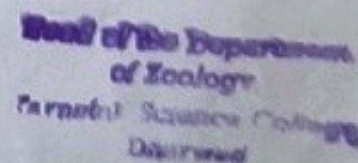
Date:

Place: Dharwad


Project Supervisor


Head of the Department

Examiner's Signature


Head of the Department
of Zoology
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS

PROJECT REPORT
Conservation of threatened species through
Technology

Submitted By
JYOTI PRAKASH PUJAR
(Reg. No: 20S10112)

Under the Guidance of
Dr. R . D. Sanakal
Assistant Professor
Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India
2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

Valued
G 13/8/23
13/8/23

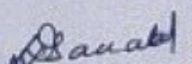
CERTIFICATE



This is to certify that the work exemplified in this project report entitled "Conservation of threatened species through Technology" submitted by "JYOTI PRAKASH PUJAR" with Registration number "20S10112" was carried out by him/her under my supervision, for the partial fulfillment towards the degree of Bachelor of Science during the academic year 2022-23.

Date: 13/8/2023

Place: Dharwad


Dr. Smt. R D SANKAL
Project Supervisor


Dr. Smt R D SANKAL
Head of the Department
of Zoology,
Karnatak Science College
Dharwad.

Examiner's Signature



Edit with WPS Office

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KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
**"CONSERVATION OF THREATENED SPECIES
THROUGH TECHNOLOGY"**

Submitted By
DANAMMA S KONNUR
(Reg. No: 20S10079)

Under the Guidance of
Dr. R.D.SANAKAL
ASSISTANT PROFESSOR
Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



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KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

CERTIFICATE



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8/8/23
11/8/23

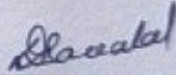
This is to certify that the work exemplified in this project report
entitled

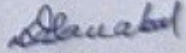
"CONSERVATION OF THREATENED SPECIES THROUGH TECHNOLOGY"

submitted by DANAMMA S KONNUR with Registration number
20S10079 was carried out by him/her under my supervision, for the
partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date:

Place: Dharwad


Project Supervisor


Head of the Department

Head of the Department
of Zoology,
Karnatak Science College,
Dharwad

Examiner's Signature

KARNATAK UNIVERSITY'S
**KARNATAK SCIENCE COLLEGE,
DHARWAD**



DEPARTMENT OF ZOOLOGY

B. Sc VI Semester- CBCS

PROJECT REPORT
on
"TIGER HABITAT RESTORATION METHODS"

Submitted By

ANJALI RUDAGI
(Reg. No: 20S100027)

Under the Guidance of

Dr. (Smt.) R. D. Sanakal
Head of the Department, Zoology
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Vahud
13/8/23
13/8/23

DEPARTMENT OF ZOOLOGY

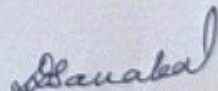
CERTIFICATE



This is to certify that the work exemplified in this project report entitled "**TIGER HABITAT RESTORATION METHOD**" submitted by **ANJALI RUDAGI** with Registration number **20S10027** was carried out by her under my supervision, for the partial fulfillment towards the degree of Bachelor of Science during the academic year 2022-23.

Date: 13/8/23

Place: Dharwad


Project Supervisor


Head of the Department

Examiner's Signature

**Head of the Department
of Zoology,
Karnatak Science College
Dharwad.**

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Zoology



B. Sc VI Semester- CBCS
PROJECT REPORT
on
“ Hornbill conservation and monitoring ”

Submitted By

Laxmi Dhanapal Navalur

(Reg. No: 20S10136)

Under the Guidance of

Dr. R D Sanakal

Assistant Professor, Head of Dept.

Department of Zoology,

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
**KARNATAK SCIENCE COLLEGE,
DHARWAD**



Department of Zoology

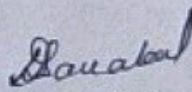
CERTIFICATE



This is to certify that the work exemplified in this project report entitled
“ Hornbill conservation and monitoring ” submitted by **Laxmi Dhanapal**
Navalur with Registration number _20S10136_ was carried out by him/her
under my supervision, for the partial fulfillment towards the degree of Bachelor of
Science during the academic year 2022-23.

Date: 13/8/23

Place: Dharwad


Project Supervisor


Head of the Department

**Head of the Department
of Zoology,
Karnatak Science College,
Dharwad**

Examiner's Signature

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Zoology



B. Sc VI Semester- CBCS

PROJECT REPORT
on

"Hornbill Conservation and monitoring"

Submitted By
KAVYA M SAPPURI
(Reg. No: 20S10120)

Under the Guidance of
Dr. R D SANKAL

Department of Zoology,
Karnatak Science College, Dharwad- 580 001
Karnataka, India



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KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Zoology

Valued
13/8/23
13/8/23

CERTIFICATE

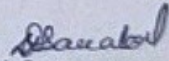


This is to certify that the work exemplified in this project report
entitled

"Hornbill Conservation and Monitoring" submitted by Kavya M Sappuri
with Registration number 20S10120 was carried out by him/her under
my supervision, for the partial fulfillment towards the degree of
Bachelor of Science during the academic year 2022-23.

Date:

Place: Dharwad


Project Supervisor


Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature



Edit with WPS Office

B.Sc(MicroBiology) Project Report:

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Microbiology



**B. Sc VI Semester- CBCS
PROJECT REPORT ON :
RESPIRATORY DISEASES**

Submitted By
PRIYANKA S SALIMATH
(Reg. No:20S10226)

Under the Guidance of
Dr. MANOHAR PATTAR SIR

Teaching Assistant
Department of Microbiology
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this project report entitled
" SURVEY ON RESPIRATORY DISEASES " submitted by **PRIYANKA S SALIMATH**
with Registration number **20S10226** carried out by him/her under my supervision, for
the partial fulfillment towards the degree of Bachelor of Science during the academic
year 2022-23.

Date: **17-08-2023**

Place: Dharwad


Project Supervisor

Examiner's Signature

1. External - 
17/08/2023

2. Internal - 
17/08/2023


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS
PROJECT REPORT :
SURVEY ON RESPIRATORY
DISEASES

Submitted By

PRIYANKA HIREMATH

(Reg. No:20S10224)

Under the Guidance of

Dr. MANOHAR PATTAR [Sir]

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



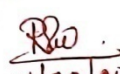
This is to certify that the work exemplified in this project report entitled
" **SURVEY ON RESPIRATORY DISEASES** " submitted by **PRIYANKA HIEMATH** with
Registration number **20S10224** carried out by him/her under my supervision, for the
partial fulfillment towards the degree of Bachelor of Science during the academic year
2022-23.

Date: 17/8/23

Place: Dharwad


Project Supervisor

Examiner's Signature

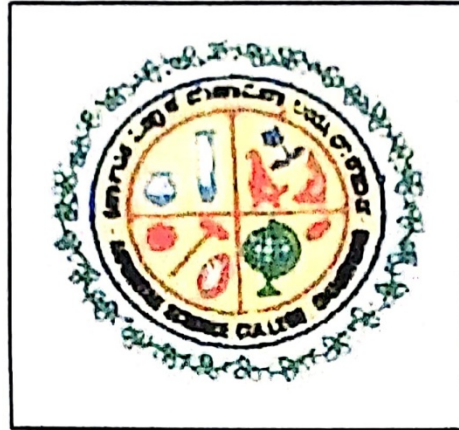
External - 
17/08/2023

Internal - 
17/8/2023


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS
Project Report on
Respiratory Disease

Submitted By

Nikita. V.Gudipati

(Reg. No:20S10193)

Under the Guidance of

Dr. Manohar Pattar sir.

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



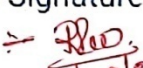
This is to certify that the work exemplified in this project report entitled
" SURVEY ON RESPIRATORY DISEASES " submitted by Nikita.V.Gudipati with
Registration number 20S10193 carried out by him/her under my supervision,
for the partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date: 17/8/23

Place: Dharwad


Project Supervisor

Examiner's Signature

External → 
17/08/2023

Internal → 
17/08/2023


Head of the Department
of the Department
of Zoology,
Karnatak Science College
Dharwad.

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS
PROJECT REPORT ON :
RESPIRATORY DISEASES

Submitted By

SWATI M NAIK

(Reg. No:20S10355)

Under the Guidance of

Dr. Manohar sir

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this project report entitled
" SURVEY ON RESPIRATORY DISEASES " submitted by **SWATI M NAIK** with
Registration number **20S10355** carried out by him/her under my supervision, for the
partial fulfillment towards the degree of Bachelor of Science during the academic year
2022-23.

Date: 17-8-2023

Place: Dharwad


Project Supervisor

Examiner's Signature

External - 
17/08/2023

Internal - 
17/8/2023


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS
PROJECT REPORT ON :
RESPIRATORY DISEASES

Submitted By

Satish.Sajali

(Reg.no:20S10291)

Under the Guidance of

Mr. MANOHAR. PATTAR (ಪ್ರಾಧ್ಯಾಪಕ)

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023

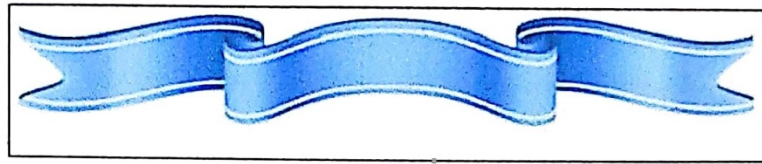


KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this project report
entitled

" SURVEY ON RESPIRATORY DISEASES " submitted by SATISH SAJALI with
Registration number 20S10291 carried out by him/her under my supervision,
for the partial fulfillment towards the degree of Bachelor of Science during
the academic year 2022-23.

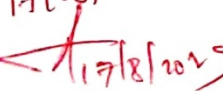
Date: 17/08/2023

Place: Dharwad


Project Supervisor


Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

1. External - 
17/08/2023
2. Internal - 
17/08/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS

Survey Report
on
Respiratory Diseases

Submitted By

Veena.M.Bhandari

(Reg. No: 20S10372)

Under the Guidance of

Manohar.Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this Survey report entitled
"Survey on Respiratory DISEASES " submitted by Veena.M.Bhandari with
Registration number 20S10372 was carried out by her under my supervision, for
the partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

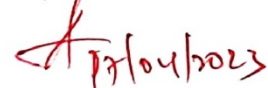
Date: 17/08/23

Place: Dharwad


Project Supervisor


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

External: 
Internal: 

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Microbiology



B. Sc VI Semester- CBCS
PROJECT WORK :
SURVEY ON RESPIRATORY
DISEASES

Submitted By
INDRAKUMAR KOLKAR
(Reg. No:20S10106)

Under the Guidance of
Mr. MANOHAR PATTAR
Teaching Assistant
Department of Microbiology
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this project report
entitled

" SURVEY ON RESPIRATORY DISEASES " submitted by INDRAKUMAR
KOLKAR with Registration number 20S10106 carried out by him/her under
my supervision, for the partial fulfillment towards the degree of Bachelor of
Science during the academic year 2022-23.

Date: 17/8/23

Place: Dharwad

Project Supervisor

Head of the Department
of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

1. External - 17/08/2023

2. Internal - 17/8/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS

Survey Report
on
Respiratory Diseases

Submitted By

Shweta keri

(Reg. No: 20S10328)

Under the Guidance of

Manohar.Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this Survey report entitled
"Survey on Respiratory DISEASES " submitted by Shweta.keri_ with
Registration number 20S10328 was carried out by her under my supervision, for
the partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date: 17/08/23

Place: Dharwad


Project Supervisor


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

1. External:  17/08/2023
2. Internal:  17/08/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Microbiology



B. Sc VI Semester- CBCS
PROJECT WORK :
SURVEY ON RESPIRATORY
DISEASES

Submitted By
MADHUSHRI R H
(Reg. No:20S10143)

Under the Guidance of
Mr. MANOHAR PATTAR
Teaching Assistant
Department of Microbiology
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this project report
entitled

" SURVEY ON RESPIRATORY DISEASES " submitted by MADHUSHRI RH
with Registration number 20S10143 carried out by him/her under my
supervision, for the partial fulfillment towards the degree of Bachelor of
Science during the academic year 2022-23.

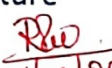
Date:

Place: Dharwad


Project Supervisor

Examiner's Signature


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

1. External - 
17/08/2023
2. Internal - 
17/8/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS

Survey Report
on
Respiratory Diseases

Submitted By

Sahana B J

(Reg. No: 20S10266)

Under the Guidance of

Manohar.Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
**KARNATAK SCIENCE COLLEGE,
DHARWAD**



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this Sruvey report entitled
"Survey on Respiratory DISEASES " submitted by Sahana B J with Registration
number **20S10266** was carried out by her under my supervision, for the partial
fulfillment towards the degree of Bachelor of Science during the academic year
2022-23.

ate: 17/08/23

ace: Dharwad


Project Supervisor


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad.

ner's Signature

External:  17/08/2023

Internal:  17/08/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS

Survey Report
on
Respiratory Diseases

Submitted By

Bhagyashree.B.Kulkarni

(Reg. No: 20S10057)

Under the Guidance of

Manohar.Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this Survey report entitled
"Survey on Respiratory DISEASES " submitted by Bhagyashree.B.Kulkarni
with Registration number 20S10057 was carried out by her under my supervision,
for the partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date: 17/8/23

Place: Dharwad


Project Supervisor


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

External: 
17/08/2023

Internal: 
17/08/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS

**Survey Report
on
Respiratory Diseases**

Submitted By

H.K.Bhoomika

(Reg. No: 20S10101)

Under the Guidance of

Manohar.Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this Sruvey report entitled
"Survey on Respiratory DISEASES " submitted by H.K.Bhoomika with
Registration number 20S10101 was carried out by her under my supervision, for
the partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date: 17/08/23

Place: Dharwad

Project Supervisor

Head of the Department
Head of the Department
of Zoology,
Karnatak Science College,
Dharwad

Examiner's Signature

1. External: 17/08/2023
2. Internal: 17/08/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS

Survey Report
on
Respiratory Diseases

Submitted By

Saiyad.R.Mulla

(Reg. No: 20S10274)

Under the Guidance of

Manohar.Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this Survey report entitled
"Survey on Respiratory Diseases " submitted by Saiyad.R.Mulla with
Registration number 20S10274 was carried out by her under my supervision, for
the partial fulfillment towards the degree of Bachelor of Science during the
academic year 2022-23.

Date:

Place: Dharwad


Project Supervisor


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

External:  17/08/2023
Internal:  17/08/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS

**Survey Report
on
Respiratory Diseases**

Submitted By

Shirin .B.Shaikh

(Reg. No: 20S10310)

Under the Guidance of

Manohar.Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023

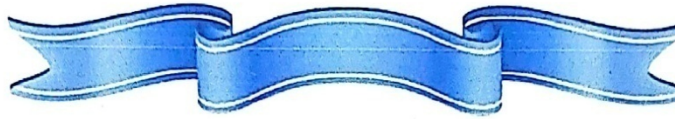


KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this Survey report entitled
"Survey on Respiratory Diseases" submitted by Shirin. B.
Shaikh with Registration number 20S10310 was carried out by her under my
supervision, for the partial fulfillment towards the degree of Bachelor of Science
during the academic year 2022-23.

Date: 17/08/23

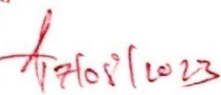
Place: Dharwad


Project Supervisor


Head of the Department
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

External: 
17/08/2023

Internal: 
17/08/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD
Department of Microbiology



B. Sc VI Semester- CBCS

**Survey Report
on
Respiratory Diseases**

Submitted By

Kishor.Ashok.Magundnavar

(Reg. No: 20S10130)

Under the Guidance of

Manohar.Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this Sruvey report entitled
"Survey on Respiratory DISEASES" submitted by
Kishor.Ashok.Magundanavar with Registration number 20S10130 was carried
out by him/her under my supervision, for the partial fulfillment towards the
degree of Bachelor of Science during the academic year 2022-23.

Date: 17/08/23

Place: Dharwad


Project Supervisor


Head of the Department
of Zoology,
Karnatak Science College,
Dharwad.

Examiner's Signature

1. External :- RBO 17/08/2023
2. Internal :- A 17/08/2023

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS

SURVEY REPORT

on

“ RESPIRATORY DISEASES ”

Submitted By

SAMARTH D BADAMI

(Reg. No: 20S10275)

Under the Guidance of

Dr. Manohar Pattar

Teaching Assistant

Department of Microbiology

Karnatak Science College, Dharwad- 580 001

Karnataka, India

2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



Department of Microbiology

CERTIFICATE



This is to certify that the work exemplified in this survey report entitled
“ Respiratory Diseases ” submitted
by Samarth. D. Badami with Registration number 20S10275 was carried out by
him/her under my supervision, for the partial fulfillment towards the degree of
Bachelor of Science during the academic year 2022-23.

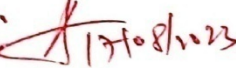
Date: 17/08/2023 -

Place: Dharwad


Project Supervisor


Head of the Department
of the Department
of Zoology,
Karnatak Science College
Dharwad

Examiner's Signature

1. External : 
2. Internal : 

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD

Department of Microbiology



B. Sc VI Semester- CBCS
PROJECT REPORT ON:
RESPIRATORY DISEASES

Submitted By
TUKARAM GUDADUR
(Reg. No:20S10362)

Under the Guidance of
Pro. Manohar pattar

D

Teaching Assistant
Department of Microbiology
Karnatak Science College, Dharwad- 580 001
Karnataka, India

2023

Geography Project Reports:



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF GEOGRAPHY
B.Sc. VI SEMESTER GEOGRAPHY
Survey / Project / Report, August, 2023

FOOD SECURITY REGIONS IN NORTH KARNATAKA: A SPATIAL ANALYSIS

Submitted by

DANESH GANI
GANESH B. MALAVALLI
MEGHA C. TALAKERI
VEENA
ADIVEPPA S. GALAGALI
BAGESH S. MASTI
RAMESH B. BHAJANTRI

DARSHAN MESTRI
MANJUNATH NEMAGAUDAR
SACHIN N. K.
SHRUTI H. MALLIGAWAD
ARUNKUMAR B. MELINMANI
GANESH K. IETAGI
SHASHANK M. HOTTI

Project Supervisor
Dr. D. S. NARAYANKAR

SUBMITTED TO THE KARNATAK SCIENCE COLLEGE,
DHARWAD AS A PARTIAL FULFILLMENT OF THE B.Sc. VI
SEMESTER EXAMINATION IN GEOGRAPHY

AUGUST, 2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

EXAMINED
KARNATAK SCIENCE COLLEGE
DHARWAD

DEPARTMENT OF GEOGRAPHY
B.Sc. VI SEMESTER GEOGRAPHY
Survey / Project / Report, August, 2023

**FOOD SECURITY REGIONS IN NORTH KARNATAKA:
A SPATIAL ANALYSIS**

Submitted by

DANESH GANI <i>Dani</i>	20S10080	GANESH K. IETAGI <i>G.K.</i>	20S10093
DARSHAN MESTRI <i>Darshan M.</i>	20S10082	RAMESH B. BHAJANTRI <i>R.B.</i>	20S10237
GANESH B. MALAVALLI <i>G.B.</i>	20S10092	SHASHANK M. HOTTI <i>S.H.</i>	20S10302
MANJUNATH NEMAGAUDAR <i>M.N.</i>	20S10161	VEENA <i>V.</i>	20S10371
MEGHA C. TALAKERI <i>M.C.</i>	20S10172	SHRUTI H. MALLIGAWAN <i>S.H.</i>	20S10326
SACHIN N. K. <i>S.N.K.</i>	20S10261	ADIVEPPA S. GALAGALI <i>A.S.</i>	20S10008
ARUNKUMAR B. MELINMANI <i>A.B.</i>	20S10036	BAGESH S. MASTI <i>B.S.M.</i>	20S10046

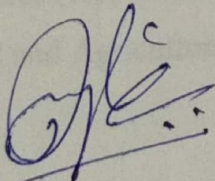
Project Supervisor
Dr. D. S. NARAYANKAR

SUBMITTED TO THE KARNATAK SCIENCE COLLEGE,
DHARWAD AS A PARTIAL FULFILLMENT OF THE B.Sc. VI
SEMESTER EXAMINATION IN GEOGRAPHY

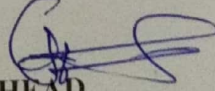
AUGUST, 2023

Certificate

This is to certify that the survey / project work / Report entitled "**FOOD SECURITY REGIONS IN NORTH KARNATAKA: A SPATIAL ANALYSIS**". Submitted in partial fulfillment of the requirements for the degree Bachelor of Science (Geography) is a record of bonafide Survey / Project work carried out by **DANESH GANI, DARSHAN MESTRI, GANESH B. MALAVALLI, MANJUNATH NEMAGAUDAR, MEGHA C. TALAKERI, SACHIN N. K., ARUNKUMAR B. MELINMANI, GANESH K. IETAGI, RAMESH B. BHAJANTRI, SHASHANK M. HOTTI, VEENA, SHRUTI H. MALLIGAWAD, ADIVEPPA S. GALAGALI, BAGESH S. MASTI**, B. Sc. VI Semester Geography Students. The work is carried out from 24th April, 2023 to 7th August, 2023 under my guidance and supervision during the academic year 2022-23.


Dr. D. S. NARAYANKAR

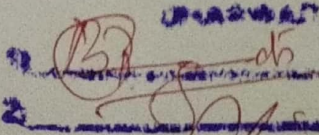
Teacher in Charge


HEAD

Department of Geography
Karnatak Science college, Dharwad

**Department of Geography
Karnatak Science College
DHARWAD**

**EXAMINED
KARNATAK SCIENCE COLLEGE
DHARWAD**


17/08/23

BOTANY PG PROJECTS:



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF UG, PG AND RESEARCH IN BOTANY

ACCREDITED BY NAAC 2018

Telephone: 0836-2215401

Fax: 0836 - 2744334

Email: deptofbot@kscd.ac.in

Ref. No: KSCD/BOT/2022-23/

Date:

Certificate

This is to certify that MISS.SHWETA S POLICE PATIL, MISS.SAHANA M KUKANOR and MISS.SHAKUNTALA G MURASHILLI, (Reg. No. P02AB21S0011, P02AB21S0017, P02AB21S0069), studying in M.Sc. IV Semester at Department of UG, PG and Research in Botany, Karnataka Science College, Dharwad has submitted her project work entitled **HISTOCHEMICAL STUDIES ON THE DEVELOPMENT OF ANTHER IN *PSYCHOTRIA FLUVIATILIS* L., RUBIACEAE.** to Karnatak University, Dharwad, in partial fulfillment of the requirement for the award of degree of **Master of Science in Botany**, during this academic year 2023-2024.

Examiner/s:



(Professor and Head)

Dr. K. KOTRESHA

M.Sc., M.Phil., Ph.D., FIAT

Professor & Head

Dept. of UG, PG & Research in Botany
Karnatak Science College, Dharwad-01



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF UG, PG AND RESEARCH IN BOTANY
ACCREDITED BY NAAC 2018

Telephone: 0836-2215401

Fax: 0836 - 2744334

Email: deptofbot@kscd.ac.in

Ref. No: KSCD/BOT/2022-23/

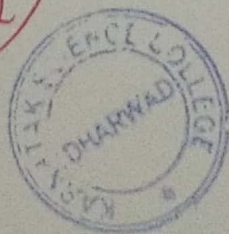
Date: 29/9/23

Certificate

This is to certify that **Mr. Shivayogi Haveri** (Reg. No. P02AB21S0002),
Mr. Vinayak Ilager (Reg. No. P02AB21S0007), studying in M.Sc. IV
Semester at Department of UG, PG and Research in Botany, Karnataka
Science College, Dharwad has submitted her project work entitled
*“Documentation on Medicinal Plants used by Siddi community in
Haliyal Taluk, Uttara Kannada District, Karnataka”* to Karnatak
University, Dharwad, in partial fulfillment of the requirement for the
award of degree of **Master of Science in Botany**, during this academic
year 2023-2024.

Examiner/s:

3/10/23



(Professor and Head)

Dr. K. KOTRESHA

M.Sc., M.Phil., Ph.D., FIAT

Professor & Head

Dept. of UG PG & Research in Botany
Karnatak Science College, Dharwad-01



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF UG, PG AND RESEARCH IN BOTANY
ACCREDITED BY NAAC 2018

Telephone: 0836-2215401

Fax: 0836 - 2744334

Email: deptofbot@kscd.ac.in

Ref. No: KSCD/BOT/2022-23/

Date: 29-09-2023

Certificate

This is to certify that Miss. **Swati P. Deshpande** (Reg. No. P02AB21S0012) and Miss. **Neha Shurpali** (Reg. No. P02AB21S0015) studying in M.Sc. IV Semester at Department of UG, PG and Research in Botany, Karnataka Science College, Dharwad has submitted their project work entitled '**Phytochemical Screening, Antioxidant and Antibacterial Studies of Homonoia retusa (Graham ex Wight) Müll. Arg**' to Karnatak University, Dharwad, in partial fulfillment of the requirement for the award of degree of **Master of Science in Botany**, during this academic year 2022-2023. (from 1st Jan 2023 to 30th Sept 2023)

Examiner/s:

[Handwritten signature]
3/10/2023

[Handwritten signature]
29/9/23
(Professor and Head)

HEAD
Department of Botany
Karnatak Sciences College, Dharwad





Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF UG, PG AND RESEARCH IN BOTANY
ACCREDITED BY NAAC 2018

Telephone: 0836-2215401

Fax: 0836 - 2744334

Email: deptofbot@kscd.ac.in

Ref. No: KSCD/BOT/2022-23/

Date: 29/09/2023

Certificate

This is to certify that Miss. **Megha Mirashi** (Reg. No. P02AB21S0068), Miss. **Laxmi I. Pyarasabadi** (Reg. No. P02AB21S0082) and Miss. **Vanaja Ganapati Patgar** (Reg. No. P02AB21S0085), are studying in M.Sc. IV Semester at Department of UG, PG and Research in Botany, Karnatak Science College, Dharwad has submitted their project work entitled "*Limnological Studies of Guttigere and Antrolli Lakes in Haliyal Taluk, Uttara Kannada District, Karnataka*" to Karnatak University, Dharwad, in partial fulfillment of the requirement for the award of degree of **Master of Science in Botany**, during this academic year 2023-2024. (From 1st Jan 2023 to 30th Sept 2023)

Examiner/s:

[Signature]
3/10/23



[Signature]
29/9/23
(Professor and Head)

HEAD
Department of Botany
Karnatak Sciences College, Dharwad



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD.



Dr. Kiran P. Kolkar

Professor,

U.G and P.G Department of Studies in Botany

Karnatak Science College Dharwad-58003

India.

Office:

Call: 9986096876

Email: kpkolkar_kcd@rediffmail.com

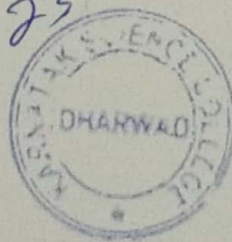
CERTIFICATE

This is to certify that the dissertation entitled "**HISTOCHEMICAL STUDIES ON THE DEVELOPMENT OF ANTHER IN *PSYCHOTRIA FLUVIATILIS* L., RUBIACEAE.**" is submitted by **MISS. NISHA G KAVALIKAI (PO2AB21S0027), MISS. MADHU S SHABANNAVAR (PO2AB21S0024) and Mr. HANAMANTH B KONARADDI (PO2AB21S0010)** for the partial fulfilment of the degree of **Master of Science in Botany** is the result of work carried out under my guidance and supervision of the UG and PG Department of studies in Botany, Karanatak science college Dharwad.

Date : 02/10/23

Place : Dharwad

Valup
03/10/23



bpballe
Dr. Kiran P Kolkar



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD.



Dr. Kiran P. Kolkar

Professor,

U.G and P.G Department of Studies in Botany

Karnatak Science College Dharwad-58003

India.

Office:

Call:9986096876

Email: kpkolkar_kcd@rediffmail.com

CERTIFICATE

This is to certify that the dissertation entitled "**HISTOCHEMICAL STUDIES ON THE DEVELOPMENT OF ANTHER IN *PSYCHOTRIA FLUVIATILIS* L., RUBIACEAE.**" is submitted by **MISS. MEGHA R HIREMATH (PO2AB21S0014), MISS MEGHA VALIKAR (PO2AB21S0065) and MISS. VIJAYALAXMI R MADALLI (PO2AB21S0070)** for the partial fulfilment of the degree of **Master of Science in Botany** is the result of work carried out under my guidance and supervision of the UG and PG Department of studies in Botany, Karanatak science college Dharwad.

Valikar

03.10.27

Date :

Place : Dharwad



kpkolkar
Dr. Kiran P Kolkar



Karnatak

KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF UG, PG AND RESEARCH IN BOTANY

ACCREDITED BY NAAC 2018

Telephone: 0836-2215401

Fax: 0836 - 2744334

Email: deptofbot@kscd.ac.in

Ref. No: KSCD/BOT/2022-23/

Date:

Certificate

This is to certify that **MISS. HASEENA S NADAF, MISS. CHAITRA, MISS. CHANDANA H M AND MISS. RAJESHWARI G. NAIK** (Registration Numbers: **P02AB21S0004, P02AB21S0005, P02AB21S0006, P02AB21S0025.**) studying in M.Sc. IV Semester at Department of UG,PG and Research in Botany, Karnataka Science College, Dharwad has submitted our project work entitled “**PRODUCTION OF WINE BY FERMENTING SELECTED WILD FRUITS** ” to Karnatak University, Dharwad, in partial fulfillment of the requirement for the award of degree of **Master of Science in Botany**, during this academic year 2023-2024.

Examiner/s:

[Signature]
7.10.23

[Signature]
30/9/23

(Professor and Head)

Dr. K. KOTRESHA

M.Sc., M.Phil, Ph.D., FIAT

Professor & Head

Dept. of UG, PG & Research in Botany
Karnatak Science College, Dharwad-01



Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF UG, PG AND RESEARCH IN BOTANY

ACCREDITED BY NAAC 2018

Telephone: 0836-2215401

Fax: 0836 - 2744334

Email: deptofbot@kscd.ac.in

Ref. No: KSCD/BOT/2022-23/

Date:

Certificate

This is to certify that MISS. MEHEBOOB BI S MYSORE, MR. RAHUL BELGAONKAR, MISS. TANUJA METAGUDD AND MR. JAJJURI JAGANNATHA, (Registration Numbers: P02AB21S0008, P02AB21S0009, P02AB21S0013, P02AB21S0016.), studying in M.Sc. IV Semester at Department of UG, PG and Research in Botany, Karnataka Science College, Dharwad has submitted her project work entitled "INFLUENCE OF LIGHT EMITTING DIODE ON DOWNY MILDEW ON HEALTHY AND INFECTED *RAPHANUS SATIVUS* L." to Karnatak University, Dharwad, in partial fulfillment of the requirement for the award of degree of **Master of Science in Botany**, during this academic year 2023-2024.

Examiner/s:

dm
7.10.23

K. Kotresha
(Professor and Head) *30/9/23*

Dr. K. KOTRESHA
M.Sc., M.Phil, Ph.D., FIAT
Professor & Head
Dept. of UG, PG & Research in Botany
Karnatak Science College, Dharwad-01

PG CHEMISTRY

STUDY OF SPECTRAL TOOLS AND CHARACTERISATION OF FEW SYNTHESISED ORGANIC COMPOUNDS



A DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY DHARWAD,
FOR THE AWARD OF THE DEGREE OF

Master of Science In General Chemistry

BY

VINAYAK A REDDY
REG.NO P02AB21S0049
SUMAN ZAMPA
REG.NO P02AB21S0073
JYOTI BOVI
REG.NO P02AB21S0114

Project supervisor

Dr. NAAZNEEN YARAGATTI

Ph.D

Lecturer in Organic Chemistry
Department of Chemistry (P.G Section)
Karnatak Science College Dharwad-580 003

OCT-2023





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE DHARWAD
P.G. DEPARTMENT OF STUDIES IN CHEMISTRY



VALUED

CERTIFICATE

This is to certify that the mentioned students have successfully carried out dissertation work entitled "*Study of spectral tools and characterization of few synthesized organic compounds*" under the guidance and direct supervision of **Dr. Naazneen Yaragatti**, Lecturer, Department of studies in Chemistry (P.G section), Karnatak Science College Dharwad. The project is being submitted in partial fulfillment for award of Master of Science in General Chemistry.

VINAYAK A REDDY
SUMAN ZAMPA
JYOTI BOVI

REG.NO P02AB21S0049

REG.NO P02AB21S0073

REG.NO P02AB21S0114

SV Zampa

Jy Bovi


Project Supervisor

Place: Dharwad

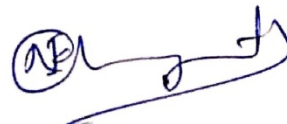
Date: 09-10-2023


Dr. S. D. Dhumwad

HOD
Department of Chemistry
Karnatak Science College
Dharwad


Dr. M. S. Salunke

Principal
Karnatak Science College
Dharwad

Examiners: 



PREPARATION AND EVALUATION OF POLYSACCHARIDE BASED POLYMER BLEND FILMS

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF CHEMISTRY



A DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY, DHARWAD
IN PARTIAL FULFILMENT OF THE REQUIREMENT
FOR THE DEGREE OF

Master of Science **in** **Chemistry**

Submitted By

Miss. VAISHNAVI M. TETAMBI

Reg. No. P02AB21S0075

Miss. AKSHATA N. MAILAR

Reg. No. P02AB21S0118

Project Supervisor

Dr. (Smt) SARASWATI P. MASTI

Associate Professor

Department of Chemistry,
Karnatak Science College, Dharwad

OCTOBER 2023





Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
P.G. DEPARTMENT OF STUDIES IN CHEMISTRY



CERTIFICATE

This is to certify that **Miss. Vaishnavi M. Tetambi**, Reg. No.: P02AB21S0075 and **Miss. Akshata N. Mailar**, Reg. No.: P02AB21S0118 has successfully carried out dissertation work entitled **"Preparation and Evaluation of Polysaccharide Based Polymer Blend Films"** under the guidance and supervision of **Dr. (Smt) Saraswati P. Masti**, Associate professor, Department of Chemistry, Karnatak Science College, Dharwad. The project is being submitted in partial fulfilment for award of Master of Science in General Chemistry.

Place: Dharwad

Date: 07/10/2023

Dr. S. D. Dhumwad

Head

Department of Chemistry
Karnatak Science College, Dharwad

Dr. M. S. Salunke

Principal

Karnatak Science College, Dharwad

**"EVALUATION OF PLANT LEAVES EXTRACT AND EXPIRED
PHARMACEUTICAL DRUG AS AN ECO-FRIENDLY CORROSION
INHIBITORS FOR IS 2062 MILD STEEL IN 1M HCl MEDIUM"**



**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD**



**P.G. DEPARTMENT OF CHEMISTRY
A DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY, DHARWAD IN
PARTIAL FULFILLMENT OF**

***Master of Science
In
Chemistry***

By

Basavaraj	REG. NO P02AB21S0101
Mallikarjun Hugar	REG. NO P02AB21S0105
Pooja Dange	REG. NO P02AB21S0086
Pooja Dalawai	REG.NO P02AB21S0079

PROJECT SUPERVISOR

Dr. S.K. RAJAPPA M.Sc. Ph.D.

ASSISTANT PROFESSOR

DEPARTMENT OF CHEMISTRY

KARNATAK SCIENCE COLLEGE, DHARWAD-580 001

OCTOBER 2023





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE DHARWAD
P.G. DEPARTMENT OF CHEMISTRY



CERTIFICATE

This is to certify that the project work of the thesis entitled "**Evaluation of plant leaves extract and expired pharmaceutical drug as an eco-friendly corrosion inhibitors for IS 2062 mild steel in 1M HCl medium**" was carried out by the following M.Sc IV semester students of P.G department of Chemistry, Karnatak Science College Dharwad in partial fulfillment for the award of *Master of Science in General Chemistry* under my supervision in the P.G Department of Chemistry, Karnatak Science College, Dharwad.

We further stated that this work has not been previously submitted for the award of any other degree or diploma to this or any other Universities.

Name of the student

Registration Numbers

Basavaraj

REG. NO P02AB21S0101

Mallikarjun Hugar

REG. NO P02AB21S0105

Pooja Dange

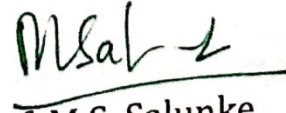
REG. NO P02AB21S0086

Pooja Dalawai

REG.NO P02AB21S0079


Prof. S. D. Dhumwad
HOD

Department of Chemistry
Karnatak Science College Dharwad


Prof. M.S. Salunke
PRINCIPAL
Karnatak Science College Dharwad

SYNTHESIS OF COUMARINYL ETHERS



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD



A DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY DHARWAD,
FOR THE AWARD OF THE DEGREE OF

Master of Science In General Chemistry

By

Mr. Santosh T. Ningasani

Reg.No.P02AB21S0045

Miss. Soumyashree S. Harti

Reg.No.P02AB21S0074

Mr. Pavan N. Haravi

Reg.No.P02AB21S0122

PROJECT SUPERVISOR

Dr. O. KOTRESH

M.Sc., Ph.D.

PROFESSOR OF CHEMISTRY
DEPARTMENT OF CHEMISTRY

KARNATAK SCIENCE COLLEGE, DHARWAD-580 001

OCTOBER 2023





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P.G. DEPARTMENT OF STUDIES IN CHEMISTRY



CERTIFICATE

This is to certify that **Mr. Santosh T. Ningasani (P02AB21S0045)**
Miss. Soumyashree S. Harti (P02AB21S0074) **Mr. Pavan N. Haravi**
(P02AB21S0122) has successfully carried out dissertation work entitled
"Synthesis of Coumarinyl Ethers" under the guidance and direct
supervision of **Dr. O. Kotresh**, Professor, Department of Chemistry,
Karnatak Science College, Dharwad. The project is being submitted in
partial fulfillment for award of Master of Science in General Chemistry.

VALUED

Examiners:


09/10/2023


Project Supervisor
Dr. O. KOTRESH
M.Sc., Ph.D.
Research Supervisor
Karnatak Science College,
DHARWAD-580 001.

Place: **Dharwad**

Date: 07-10-2023


Dr. S. D. Dhumwad

Head,
Department of Chemistry
Karnatak Science College, Dharwad


Prof (Mrs) M. S. Salunke
Principal
Karnatak Science College, Dharwad



**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD
P. G. DEPARTMENT OF CHEMISTRY**



**SYNTHESIS OF BIODIESEL FROM MIXED FEEDSTOCK / S
AND SCREENING OF NON EDIBLE SEED OILS FOR
BIODIESEL PRODUCTION**

**A DISSERTATION SUBMITTED TO KARNATAK UNIVERSITY, DHARWAD
FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF**

**MASTER OF SCIENCE
IN
GENERAL CHEMISTRY**

By

**MR. CHANDRASHEKHAR DAYANNAVAR
MR. HARSHA SHREEDHARA SHETTY
MR. VEERENDRA SHETTI
MISS. ANUSHA HANNERADUMATH**

**Reg No. P02AB21S0091
Reg No. P02AB21S0102
Reg No. P02AB21S0109
Reg No. P02AB21S0123**

**Project Supervisor
DR. K. S. KATAGI
ASSOCIATE PROFESSOR
DEPARTMENT OF CHEMISTRY
KARNATAK SCIENCE COLLEGE, DHARWAD
KARNATAKA, INDIA -580 001**

OCTOBER-2023





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



P. G. DEPARTMENT OF CHEMISTRY

VALUED

CERTIFICATE

This is to certify that the dissertation work entitled "SYNTHESIS OF BIODIESEL FROM MIXED FEEDSTOCK / S AND SCREENING OF NON EDIBLE SEED OILS FOR BIODIESEL PRODUCTION" was successfully carried out by the following M.Sc. IV semester students under the supervision of **Dr. K. S. Katagi** at Department of Chemistry, Karnatak Science College, Dharwad. The project report is being submitted in partial fulfilment for the award of the degree of Master of Science in General Chemistry.

1. MR. CHANDRASHEKHAR DAYANNAVAR *Chandrashekhara*
2. MR. HARSHA SHREEDHARA SHETTY *Harsha*
3. MR. VEERENDRA SHETTI *Shetty*
4. MISS. ANUSHA HANNERADUMATH *A.M.H.*

Examiners: *[Signature]*

HOD Chemistry

[Signature]
Dr. S. D. Dhumwad

H.O.D. of Chemistry
Karnatak Science College
Dharwad

Principal

[Signature]
Dr. M. S. Salunke
PRINCIPAL
Karnatak Science College
Dharwad



**"Triazenes of AMC: Synthesis and Characterization
of Novel Triazenes of 7-Amino-4-Methyl Coumarin"**



**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD**



**A DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY DHARWAD,
FOR THE AWARD OF THE DEGREE OF**

***Master of Science
In
General Chemistry***

By

MS. MEGHANA H. AJJAPPANAVAR

Reg. No. P02AB21S0081

MR. ROHAN S. TATAPATTI

Reg. No. P02AB21S0094

MS. POORNIMA R. MELLEGATTI

Reg. No. P02AB21S0119

PROJECT SUPERVISOR

DR. R. G. KALKHAMBKAR

Ph.D.

**PROFESSOR OF CHEMISTRY
DEPARTMENT OF CHEMISTRY**

KARNATAK SCIENCE COLLEGE, DHARWAD-580 001

OCTOBER 2023





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD



P. G. DEPARTMENT OF CHEMISTRY

VALUED

CERTIFICATE

This is to certify that the project entitled "*Triazenes of AMC: Synthesis and Characterization of Novel Triazenes of 7-Amino-4-Methyl Coumarin*" has been carried out by Ms. Meghana H. Ajjappanavar, Mr. Rohan S. Tatapatti, Ms. Poornima R. Mellegatti, submitted in partial fulfilment for the award of degree of "Masters of Science in General Chemistry" under my supervision at the P. G. Department of Chemistry, Karnatak Science College, (a constituent college of Karnatak university), Dharwad.

Name of the student
Meghana H. Ajjappanavar
Rohan S. Tatapatti
Poornima R. Mellegatti

Registration Numbers
P02AB21S0081
P02AB21S0094
P02AB21S0119

Examiner: 


Prof. S.D. Dhumwad
HOD
Department Of Chemistry
Karnatak Science College Dharwad


Prof. M. S. Salunke
PRINCIPAL
Karnatak Science College Dharwad

H.O.D. of Chemistry
Karnatak Science College,
Dharwad

PRINCIPAL
Karnatak Science College,
Dharwad



**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF CHEMISTRY**



**"INVESTIGATION OF DURANTA REPENS LEAVES EXTRACT
AS AN ENVIRONMENTALLY FRIENDLY CORROSION
INHIBITOR FOR MILD STEEL IN 1M HCl"**

**A DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY DHARWAD
FOR THE AWARD OF THE DEGREE OF**

**Master of Science
in
General Chemistry**

Submitted By

Mrs. AISHWARYA HOSAMANI	UUCMS. No. P02AB21S0113
Ms. KRISHNABAI PATIL	UUCMS. No. P02AB21S0083
Ms. SAHANA HONKAN	UUCMS. No. P02AB21S0077

Project Supervisor

Dr. Manohar Rathod M.Sc., Ph.D.
LECTURER IN PHYSICAL CHEMISTRY
PG DEPARTMENT OF CHEMISTRY
KARNATAK SCIENCE COLLEGE, DHARWAD--580001
KARNATAKA, INDIA

October-2023





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE DHARWAD
P.G. DEPARTMENT OF CHEMISTRY



Certificate

This is to certify that the project entitled **"Investigation of Duranta Repens leaves extract as an environmentally friendly corrosion inhibitor for mild steel in 1M HCl"** submitted by **Ms. Sahana Honkan, Ms. Krishnabai Patil and Mrs. Aishwarya Hosamani**, for the award of **"Master of Science in General Chemistry"** based on results of the experiments carried out by them under the supervision of **Dr. Manohar Rathod**, Teaching Assistant, P.G. Department of General Chemistry, Karnatak Science College, Dharwad.

Dr. S. D. Dhumwad

HOD

Department of Chemistry

Dr.(Smt). M. S. Salunke

PRINCIPAL

Karnatak Science College Dharwad

FABRICATION AND EVALUATION OF POLYMER NANOCOMPOSITE FILMS



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD



A DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY, DHARWAD
IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE
DEGREE OF

Master of Science **In** **Chemistry**

By

Miss. Rekha Arahunasi
Reg. No. P02AB21S0111

Miss. Pooja. K. Tiwari
Reg. No. P02AB21S0076

PROJECT SUPERVISOR
Dr. (Smt) SARASWATI P MASTI
ASSOCIATE PROFESSOR
DEPARTMENT OF CHEMISTRY,
KARNATAK SCIENCE COLLEGE, DHARWAD

OCTOBER 2023





Karnatak University's
KARNATAK SCIENCE COLLEGE, DHARWAD
P.G. DEPARTMENT OF STUDIES IN CHEMISTRY



CERTIFICATE

This is to certify that **Miss. Pooja Kailashnath Tiwari**, Reg. No.: P02AB21S0076 and **Miss. Rekha Arahunasi**, Reg. No.: P02AB21S0111 has successfully carried out dissertation work entitled **"FABRICATION AND EVALUATION OF POLYMER NANOCOMPOSITE FILMS"** under the guidance and supervision of Dr. (Smt) Saraswati P. Masti, Associate professor, Department of Chemistry, Karnatak Science College, Dharwad. The project is being submitted in partial fulfillment for the award of Master of Science in General Chemistry.

Place: Dharwad

Date:

Dr. S. D. Dhumwad

Head

Department of Chemistry

Karnatak Science College

Dharwad

Dr. M. S. Salunke

Principal

Karnatak Science College

Dharwad

**SYNTHESIS AND FUNCTIONALISATION OF MESOPOROUS
SILICA NANOCARRIERS FOR pH-TRIGGERED DRUG
RELEASE FOR PARKINSON'S DISEASE**



**KARNATAK UNIVERSITY DHARWAD
DEPARTMENT OF GENERAL CHEMISTRY
KARNATAK SCIENCE COLLEGE, DHARWAD
KARNATAKA, INDIA -580 001**



**A DISSERTATION SUBMITTED TO KARNATAK UNIVERSITY, DHARWAD
FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF**

**Master of Science
in
General Chemistry**

By

MISS SAVITA NANDYAL

Reg No. P02AB21S0093

MR. AMAREGOUDA

Reg No. P02AB21S0108

MISS BHAVANA B. KULKARNI

Reg No. P02AB21S0112

**Project Supervisor
Dr. Divya D. Achari
Teaching Assistant**

**DEPARTMENT OF GENERAL CHEMISTRY
KARNATAK SCIENCE COLLEGE, DHARWAD
KARNATAKA, INDIA -580 001**

2022-2023





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE,
DHARWAD



P. G. DEPARTMENT OF CHEMISTRY

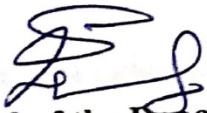
CERTIFICATE

This is to certify that the dissertation work entitled "**Synthesis and Functionalisation of Mesoporous Silica Nanocarriers for pH-triggered Drug Release for Parkinson's Disease**" was successfully carried out by the following M.Sc. IV semester students under the supervision of **Dr. Divya D. Achari**, Teaching Assistant, P. G. Department of General Chemistry, Karnatak Science College, Dharwad. The project report is being submitted in partial fulfilment for the award of the degree of Master of Science in General Chemistry.

Miss Savita Nandyal

Mr. Amaregouda

Miss Bhavana B. Kulkarni


Head of the Department

Dr. S. D. Dhumwad
H.O.D. of Chemistry
Karnatak Science College,
Dharwad


15/10/2023
VALUED



Principal
Dr. M. S. Salunke
PRINCIPAL
Karnatak Science College,
Dharwad

**PREPARATION AND CHARACTERISATION OF
BIODEGRADABLE NANOCOMPOSITE POLYMER FILM FOR
FOOD PACKAGING APPLICATION**



**KARNATAK UNIVERSITY DHARWAD
DEPARTMENT OF GENERAL CHEMISTRY
KARNATAK SCIENCE COLLEGE, DHARWAD
KARNATAKA, INDIA -580 001**



**A DISSERTATION SUBMITTED TO KARNATAK UNIVERSITY, DHARWAD
FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF**

**Master of Science
in
General Chemistry**

By

Miss.Anita Mattihalli

Rg.NO. PO2AB21S0088

Miss.Kavya Yaligar

Rg.NO. PO2AB21S0103

Mr.G.Raghavendra

Rg.NO. PO2AB21S0106

Project Supervisor

Dr. ANAND NASALAPURE

M.Sc. Ph.D

**DEPARTMENT OF GENERAL CHEMISTRY
KARNATAK SCIENCE COLLEGE, DHARWAD
KARNATAKA, INDIA -580 001**

2022-2023



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

P. G. DEPARTMENT OF CHEMISTRY



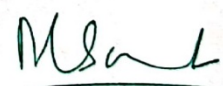
CERTIFICATE

This is to certify that Anita Mattihalli, Kavya Yaligar and G.Raghavendra has successfully Carried out dissertation work and entitled "Preparation and Characterisation of Biodegradable Nanocomposite Polymer Film for Food Packaging Application" under the guidance and direct supervision of Dr. ANAND NASALAPURE, P.G Department of chemistry, Karnataka Science college, Dharwad. Yhe project is being submitted in partial fulfilment for award of Master of Science in General Chemistry.


Dr. S. D. Dhumwad
Karnatak Science College,
HOD OF Chemistry

Karnataka Science
College, Dharwad.


VALUED


Dr. M. S. Salunke
PRINCIPAL
Karnatak Science College,
Dharwad
Karnataka Science
College, Dharwad.

Place: Dharwad

Date: 9/10/23



**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF CHEMISTRY**



**INVESTIGATION OF THE REACTION BETWEEN ACETYL
ACETONE AND DIAZONIUM SALTS DERIVED
FROM ANILINE AND ITS DERIVATIVES FOR
SYNTHESIS OF AZO-Cu (II) COMPLEX**

**A DISSERTATION SUBMITTED TO
KARNATAK UNIVERSITY DHARWAD
FOR THE AWARD OF THE DEGREE OF**

**Master of Science
in
General Chemistry**

Submitted By

Mr. PAVAN S KALLURU

UUCMS.NO: P02AB21S0115

Ms. POOJA BHAJANTRI

UUCMS.NO: P02AB21S0120

Mr. PRASHANT R GOURANI

UUCMS.NO: P02AB21S0122

Project Supervisor

Dr. MUSSUVIR PASHA K M

LECTURER IN INORGANIC CHEMISTRY

PG DEPARTMENT OF CHEMISTRY

KARNATAK SCIENCE COLLEGE DHARWAD-580 001

October-2023





KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE DHARWAD
P.G. DEPARTMENT OF CHEMISTRY



Certificate

This is to certify that Mr. Pavan S Kalluru REG NO: P02AB21S0115, Mr. Prashant R Gourani REG NO: P02AB21S0121, Pooja Bhajantri REG NO: P02AB21S0120 has successfully carried out dissertation work entitled "INVESTIGATION OF THE REACTION BETWEEN ACETYI ACETONE AND DIAZONIUM SALTS DERIVED FROM ANILINE AND IT'S DERIVATIVES FOR SYNTHESIS OF AZO-Cu (II) COMPLEX" under the guidance and supervision of **Dr. Mussuvir Pasha K M**, Professor Department of Chemistry, Karnatak Science College Dharwad. The project is being submitted in partial fulfillment for award of Master of Science in General Chemistry.

Dr. S.D. Dhumwad

HOD

Department of Chemistry

Karnatak Science College, Dharwad

Dr.(Smt). M. S. Salunke

PRINCIPAL,

Karnatak Science College, Dharwad

VALUED

18/10/2023





**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD
P. G. DEPARTMENT OF CHEMISTRY**



**CLICK CHEMISTRY BASED ONE POT SYNTHESIS
AND PHARMACOLOGICAL STUDIES OF C₄-COUMARIN
LINKED 1,2,3- TRIAZOLYL BENZIMIDAZOLES**

**A DISSERTATION SUBMITTED TO KARNATAK UNIVERSITY, DHARWAD
FOR THE PARTIAL FULFILLMENT OF THE DEGREE OF**

**MASTER OF SCIENCE
IN
GENERAL CHEMISTRY**

By

MR. ABHISHEK D KULKARNI

Reg No. P02AB21S0098

MISS. AISHWARYA MUDIGOUDAR

Reg No. P02AB21S0117

MISS. AISHWARYA N PATIL

Reg No. P02AB21S0124

**Project Supervisor
DR. SHILPA SOMAGOND**

M. Sc., Ph.D

**P.G. DEPARTMENT OF CHEMISTRY
KARNATAK SCIENCE COLLEGE, DHARWAD
KARNATAKA, INDIA -580 001**

OCTOBER-2023





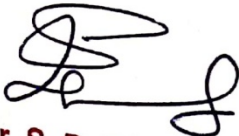
KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE
DHARWAD



P.G. DEPARTMENT OF CHEMISTRY

CERTIFICATE

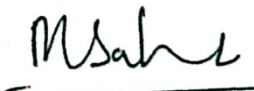
This is to certify that the dissertation work entitled "**CLICK CHEMISTRY BASED ONE POT SYNTHESIS AND PHARMACOLOGICAL STUDIES OF C₄-COUMARIN LINKED 1,2,3-TRIAZOLYL BENZIMIDAZOLES**" was successfully carried out by Mr. Abhishek D Kulkarni, Miss Aishwarya Mudigoudar and Miss Aishwarya N Patil, M.Sc. IV semester students under the supervision of Dr. SHILPA SOMAGOND at Department of Chemistry, Karnatak Science College, Dharwad. The project report is being submitted in partial fulfillment for the award of the degree of Master of Science in General Chemistry.


Dr. S. D. Dhumwad

HOD

Department of Chemistry


VALUED


Dr. (Smt). M. S. Salunke

PRINCIPAL

Karnatak Science College Dharwad



H¹ NMR BASED ASSIGNMENT OF CRUDE POLAR EXTRACT OF *Calotropis procera*



**A DISSERTATION SUBMITTED TO KARNATAK UNIVERSITY, DHARWAD
IN PARTIAL FULFILLMENT OF THE DEGREE OF**

Master of Science in General Chemistry

By

Ms.Sapna Narate

P02AB21S0092

Ms.Savitri Kanaj

P02AB21S0096

Ms.Rohini Maraddi

P02AB21S0116

Project Supervisor

Dr.Jayalakshmi.K

Assistant Professor

DEPARTMENT OF CHEMISTRY

KARNATAK SCIENCE COLLEGE, DHARWAD -580 001

2022-2023



CERTIFICATE

This is to certify that the project work presented in this dissertation entitled " **^1H NMR BASED ASSIGNMENT OF CRUDE POLAR EXTRACT OF CALOTROPIS procera**" was carried out by the following M.Sc 4th semester students of, PG. Department of Chemistry, Karnataka Science College Dharwad in partial fulfillment for the award of Master of Science in General Chemistry during the year 2022-2023. The work has been carried under the guidance of **Dr. Jayalakshmi.K.** Asst. Professor, Karnataka Science College, Dharwad.

Name of the student

Registration Number

1. Sapna Narate	P02AB21S0092
2. Savitri Kanaj	P02AB21S0096
3. Rohini Maraddi	P02AB21S0116

Dr. S. D. Dhumwad

HOD

Department of Chemistry
Karnatak Science College
Dharwad

Dr. M. S. Salunke

Principal

Karnatak Science College
Dharwad

Examiners: (1) -
09/10/2023

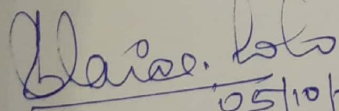
PG Physics:

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF PHYSICS

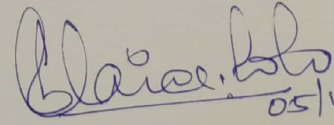


Certificate

This is to certify that the M.Sc. Project work dissertation entitled “**MASS ATTENUATION COEFFICIENT AND X-RAY FLUORESCENCE OF DIFFERENT NITRATES**” submitted to the P. G. Department of Physics, Karnatak Science College, Dharwad by **Mr. Mayur Shegunasi, Ms. Akshata Kalled , Mr. Abhishek Prabhayyanavarmath** as a partial fulfillment for the award of the degree of Master of Science in physics represents their work and it has not been submitted previously in part of or full for the award of any other degree or diploma of their on any other university or Institutions they have carried out this project work at the PG department of Physics Karnataka Science College Dharwad under my supervision and guidance.


05/10/23

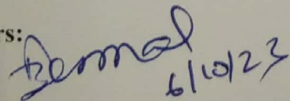
Dr. Blaise Lobo
Professor
P.G. Department of Physics
Karnatak Science College, Dharwad


05/10/23

Prof. Blaise Lobo
Head of the Department
P.G. Department of Physics
Karnatak Science College, Dharwad

Examiners:

1.


6/10/23

2.

MAGNETO CONDUCTIVITY IN BULK SEMICONDUCTOR



KARNATAKA UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

DEPARTMENT OF PHYSICS

CERTIFICATE

This is to certify that *Miss: Ananya Raj D* , *Miss: Rakshita Gidnandi*,
Miss: Rakshita Joshi, *Miss: Shrejal Bhasme*, *Mr: Tarun Kumar A* have
satisfactorily completed project (course 4. 6) in condensed matter physics entitled
“*Magneto conductivity in Bulk Semiconductor*” in partial fulfillment of the M.Sc
degree in physics.

PROJECT SUPERVISOR

Department of Physics

Karnataka Science College, Dharwad

HOD

Department of Physics

Karnataka Science College, Dharwad

SEMESTER EXAM: EXAMINERS

1. _____

07-10-23

2. _____

KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF PHYSICS



Certificate

This is to certify that the M.Sc. Project dissertation entitled “**Mass Attenuation Coefficient and Effective Atomic Number of Few Soil Samples of Karnataka**” submitted to the P. G. Department of Physics, Karnatak Science College, Dharwad by **Mrs. JYOTI JAMANOOR, Ms. RAKSHA N., Ms. KAVYASHREE R. MUDIGOUDAR and Ms. CHANDANA P. MOGALI** as a partial fulfilment for the award of the degree of Master of Science in Physics, represents their work and it has not been submitted previously in this or any other university or Institutions as a part of or full for the award of any other degree or diploma. They have carried out this project work at the PG department of Physics, Karnatak Science College, Dharwad under my supervision and guidance.

Nirupama

Dr. Nirupama J. M.
Assistant Professor
Department of Physics
Karnatak Science College, Dharwad

Blaise Lobo

Prof. Blaise Lobo
Head of the Department
Department of Physics
Karnatak Science College, Dharwad

05.10.2023

Examiners:

1.

Bernal
6/10/23

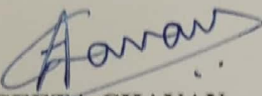
2.

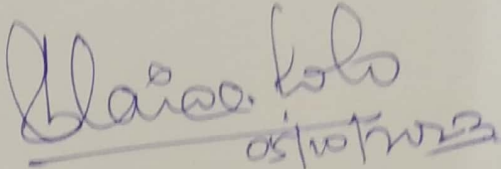
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF PHYSICS



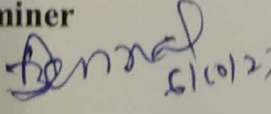
Certificate

This is to certify that the M.Sc. Project work dissertation entitled "*INELASTIC SCATTERING OF CHARGED PARTICLES IN MATTER*" submitted to the P. G. Department of Physics, Karnataka Science College, Dharwad by *Ms. AKSHATA BIRADAR, Ms. SABREEN TAJ KHATIB, Ms. VIJAYALAXMI KALLANAGOUDAR* partial fulfilment for the award of the degree of Master of Science in physics represents their work and it has not been submitted previously in part or full for the award of any other degree or diploma of their on any other university or Institutions they have carried out this project work at the PG department of Physics Karnataka Science College Dharwad under my supervision and guidance.


Dr. GEETA CHAVAN
Assistant Professor
P.G. Department of Physics
Karnataka Science College, Dharwad


PROF. BLAISE LOBO
Head of the Department
P.G. Department of Physics
Karnataka Science College, Dharwad

Examiner

1. 
6/10/22
- 2.



KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

CERTIFICATE

This is to certify that the Project dissertation entitled **"Synthesis and Characterization of Carbon Nanoparticle for Gas sensing application"** was submitted to the Post Graduate Department of Physics, Karnatak Science College, Dharwad by **RADHA GODAKUNDARAGI (REG.NO. P02AB21S0071), SAHANA VIJAPUR (REG.NO. P02AB21S0097), SHILPA BANKAD (REG.NO. P02AB21S0099), AKSHATA TALWAR (REG.NO. P02AB21S0059), ABHISHEK V HUGAR (REG.NO. P02AB21S0107)** as a partial fulfillment for the award of degree of **Master of Science in Physics**.

Project Supervisor

Dr. Jyothi S. Doddamani
Assistant Professor
Department of Physics
Karnatak Science College,
Dharwad

H.O.D

Department of Physics
Karnatak Science College,
Dharwad

EXAMINERS:

1.

2.

07-10-23

PG Mathematics:

**A PROJECT REPORT ON
STATUS CONNECTIVITY INDICES OF LINE GRAPH
AND ITS COMPUTATION FOR MIDDLE GRAPH**



Re-accredited by NAAC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by
Mr. BASAVARAJ S. R
(REG NO: P02AB21S0016)
Miss. ARCHANA P. SINGI
(REG NO: P02AB21S0031)

Under the Guidance of
Dr. RAJU B. JUMMANNAVER

M. Sc., Ph. D.

Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad-580 001

2022-2023

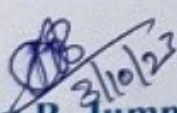
**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**

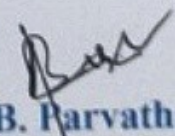


*Re-accredited by NAAC 'A' Grade
University with Potential for Excellence*

CERTIFICATE

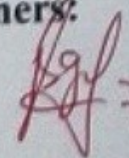
This is to certify that the M. Sc. project work dissertation entitled "STATUS CONNECTIVITY INDICES OF LINE GRAPH AND IT'S COMPUTATION FOR MIDDLE GRAPH" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Mr. Basavaraj S. R and Miss. Archana P. Singi as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P. G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.


Dr. Raju B. Jummannaver
Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad


Dr. B. Parvathalu
HOD
P. G. Department of Mathematics
Karnatak Science College, Dharwad-01

Examiners:

1.

 7/10/23

2.

**A PROJECT REPORT ON
SOFT SETS, SOFT TOPOLOGY AND ITS APPLICATIONS**



Re-accredited by NAAC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by
Miss. CHAITRA AVARADI
(REG NO: P02AB21S0040)
Miss. SPOORTHIL K. M.
(REG NO: P02AB21S0042)

Under the Guidance of
Dr. (Smt.) JYOTI MUTTAGI

M. Sc., Ph. D.

Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad-590 001

2022-2023

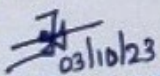
**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**

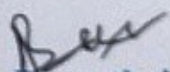


*Re-accredited by NAAC 'A' Grade
University with Potential for Excellence*

CERTIFICATE

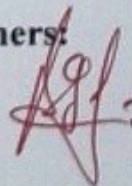
This is to certify that the M. Sc. project work dissertation entitled "SOFT SETS, SOFT TOPOLOGY AND ITS APPLICATIONS" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Miss. Chaitra Avaradi and Miss. Spoorthi. K. M. as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P.G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.


Dr. (Smt.) Jyoti Muttagi
Teaching Assistant (TA)
P. G. Department of Mathematics
Karnatak Science College, Dharwad


Dr. B. Parvathalu
Head
UG & PG Department of Mathematics
Karnatak Science College, Dharwad

Examiners:

- 1.
- 2.


7/10/23

**A PROJECT REPORT ON
EIGENVALUES AND EIGENVECTORS**



Re-accredited by NAAC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by
Miss. RESHMA S. IRANNANAVARA
(REG NO: P02AB21S0039)
Miss. SOUMYA YALIGAR
(REG NO: P02AB21S0047)

Under the Guidance of
Dr. (Smt.) JYOTI MUTTAGI

M. Sc., Ph. D.

Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad-580 001

2022-2023

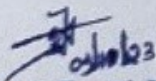
**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**



*Re-accredited by NAAC 'A' Grade
University with Potential for Excellence*

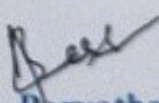
CERTIFICATE

This is to certify that the M. Sc. project work dissertation entitled "EIGENVALUES AND EIGENVECTORS" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Miss. Reshma S. Irannanavara and Miss. Soumya Yaligar as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P.G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.


Dr. (Smt.) Jyoti Muttagi

Teaching Assistant

P. G. Department of Mathematics
Karnatak Science College, Dharwad


Dr. B. Parvathalu

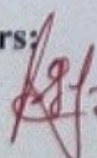
Head

HEAD
P. G. Department of Mathematics
Karnatak Science College, Dharwad

Examiners:

1.

2.


7/10/23

**A PROJECT REPORT ON
FLUID DYNAMICS AND ITS APPLICATIONS**



Re-accredited by NAAC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by
Miss. BIBI AMEENA GOPANKOPP
(REG NO: P02AB21S0038)
Miss. VIDYA S ANGADI
(REG NO: P02AB21S0051)

Under the Guidance of
Dr. (Smt.) JYOTI MUTTAGI

M. Sc., Ph. D.

Teaching Assistant
P. G. Department of Mathematics
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2022-2023

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**

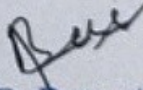


*Re-accredited by NAAC 'A' Grade
University with Potential for Excellence*

CERTIFICATE

This is to certify that the M.Sc. project work dissertation entitled "FLUID DYNAMICS AND ITS APPLICATIONS" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Miss. Bibi Ameena Gopankopp and Miss. Vidya S Angadi as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P.G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.

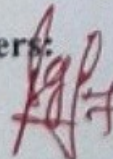

Dr. (Smt.) Jyoti Muttagi
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Dr. B. Parvathalu
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Karnatak Science College, Dharwad

Examiners:

1.

2.


7/10/23

**A PROJECT REPORT ON
FLUID DYNAMICS AND ITS APPLICATIONS**



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**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
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FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

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Submitted by
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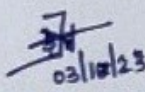
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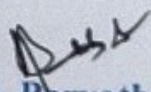


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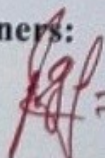

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Head
P.G. Department of Mathematics
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Examiners:

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**A PROJECT REPORT ON
WAVELETS AND IT'S APPLICATIONS**



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**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
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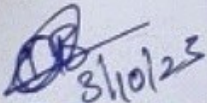
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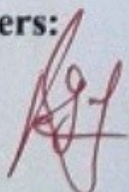
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Examiners:

1.

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**A PROJECT REPORT ON
ALGEBRAIC TOPOLOGY AND ITS APPLICATIONS**



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University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
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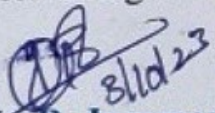
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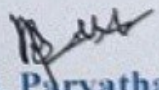


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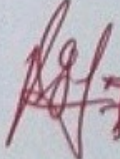
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Examiners:

- 1.
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**A PROJECT REPORT ON
DIFFERENTIAL EQUATION AND ITS APPLICATIONS**



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**KARNATAK UNIVERSITY'S
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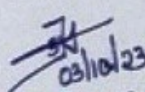
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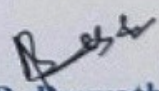


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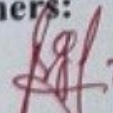
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Karnatak Science College, Dharwad

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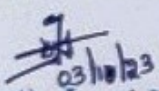
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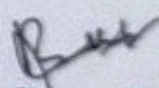


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Coordinator
P. G. Department of Mathematics
Karnatak Science College, Dharwad-01

Examiners:

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7/10/23

**A PRESENT REPORT ON
GOLDEN JAWO IN ART, ADMINISTRATION AND HUMAN ANTHOLOGY**



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University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by

Mr. AKSHAY KARAJOL
(REG NO: P02AB21S0021)

Mr. ARUNKUMAR MUTTAGI
(REG NO: P02AB21S0032)

Under the Guidance of

Dr. RAJU B. JUMMANNAVER

B. Sc., Ph. D.

Teaching Assistant

**P. G. Department of Mathematics
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2022-2023

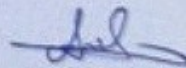
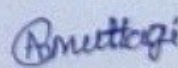
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KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**



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DECLARATION

We, hereby declare that the matter embodied in this M. Sc. project work dissertation entitled “**GOLDEN RATIO ART, ARCHITECTURE AND HUMAN ANATOMY**” submitted to **Karnatak Science College, Dharwad** as a partial fulfillment for the award of the degree of **Master of Science in Mathematics** is the result of project work carried out by us in the P. G. Department of Mathematics under the supervision of **Dr. Raju B. Jummannaver, Teaching Assistant, Department of Mathematics, Karnatak Science College, Dharwad** and it has not been submitted previously for the award of any degree or diploma of this or any other University or Institution.

Candidate name	Register No.	Signature
Akshay Karajol	P02AB21S0021	
Arunkumar Muttagi	P02AB21S0032	

**A PROJECT REPORT ON
THE CHARACTERISTIC POLYNOMIAL AND
ENERGY OF NEW NEIGHBOR DEGREE BASED MATRICES**



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**DISSERTATION SUBMITTED TO THE
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**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by
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Miss. ARCHANA BENGARI
(REG NO: P02AB21S0036)

Under the Guidance of
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Candidate name

Register No.

Signature

Prashantareddi B Yatnalli

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P. Yatnalli

Archana Bengeri

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Archana B

**A PROJECT REPORT ON
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Submitted by
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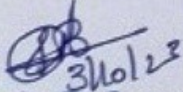
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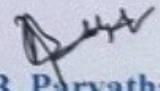


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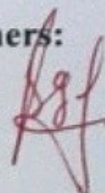

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Dr. B. Parvathalu
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Karnatak Science College, Dharwad

Examiners:

1.

2.

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**A PROJECT REPORT ON
ALGEBRAIC NUMBER THEORY**



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**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
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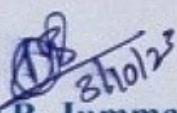
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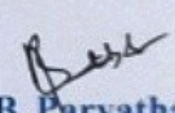


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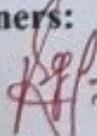
This is to certify that the M. Sc. project work dissertation entitled "ALGEBRAIC NUMBER THEORY" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Miss. Anusha S and Mr. Mahantesh Choudhari as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P. G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.


Dr. Raju B. Jummannaver
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Head
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Karnatak Science College, Dharwad-01

Examiners:

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**KARNATAK UNIVERSITY'S
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**Submitted by
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(REG NO: P02AB21S0023)
Mr. MAHANTESH CHOUDHARI
(REG NO: P02AB21S0026)**

**Under the Guidance of
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Teaching Assistant
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2022-2023

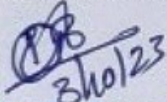
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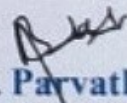


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University with Potential for Excellence*

CERTIFICATE

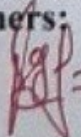
This is to certify that the M. Sc. project work dissertation entitled "ALGEBRAIC NUMBER THEORY" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Miss. Anusha S and Mr. Mahantesh Choudhari as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P. G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.


Dr. Raju B. Jummannaver
Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad


Dr. B. Parvathalu
Head
P. G. Department of Mathematics
Karnatak Science College, Dharwad
**FUG & PG Department of Mathematics
Karnatak Science College, Dharwad-01**

Examiners:

- 1.
- 2.


7/11/23

**A PROJECT REPORT ON
ALGEBRAIC NUMBER THEORY**



Re-accredited by NAAC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by

Miss. ANUSHA S

(REG NO: P02AB21S0023)

Mr. MAHANTESH CHOUDHARI

(REG NO: P02AB21S0026)

Under the Guidance of

Dr. RAJU B. JUMMANNAVER

M. Sc., Ph. D.

Teaching Assistant

P. G. Department of Mathematics

Karnatak Science College, Dharwad-580 001

2022-2023

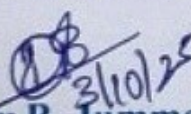
**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**

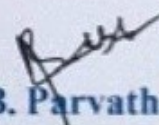


*Re-accredited by NAAC 'A' Grade
University with Potential for Excellence*

CERTIFICATE

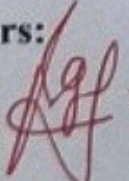
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Dr. Raju B. Jummanner
Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad


Dr. B. Parvathalu
Head
P.G. Department of Mathematics
Karnatak Science College, Dharwad-01

Examiners:

- 1.
- 2.

 7/10/23

**A PROJECT REPORT ON
STATUS CONNECTIVITY INDICES OF LINE GRAPH
AND ITS COMPUTATION FOR MIDDLE GRAPH**



Re-accredited by NAAC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

**Submitted by
Mr. BASAVARAJ S. R
(REG NO: P02AB21S0018)
Miss. ARCHANA P. SINGI
(REG NO: P02AB21S0031)**

**Under the Guidance of
Dr. RAJU B. JUMMANNAVER**

M. Sc., Ph. D.

**Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad-580 001**

2022-2023

**A PROJECT REPORT ON
CRYPTOGRAPHY AND ITS APPLICATIONS**



Re-accredited by NAAC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

**Submitted by
Mr. VIJAY B. CHOUGALA
(REG NO: P02AB21S0061)
Mr. KIRAN K. YADAHALLI
(REG NO: P02AB21S0063)**

**Under the Guidance of
Dr. (Smt.) PUSHPA M. NALWAD**

M. Sc., Ph. D.

**Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad-580 001**

2022-2023

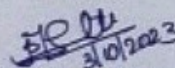
**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**

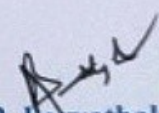


*Re-accredited by NAAC 'A' Grade
University with Potential for Excellence*

CERTIFICATE

This is to certify that the M. Sc. project work dissertation entitled "CRYPTOGRAPHY AND ITS APPLICATIONS" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Mr. Vijay B. Chougala and Mr. Kiran K. Yadahalli as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P. G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.


Dr. (Smt.) Pushpa M. Nalwad
Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad


Dr. B. Parvathalu
Head
HEAD
P. G. Department of Mathematics
UG & PG Department of Mathematics
Karnatak Science College, Dharwad-01

Examiners:

1.

 7/10/23

2.

ASSIGNMENT ON DOMINATIONS IN GRAPHS



Recognized by UGC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by

**Miss. SPOORTI S. MANAGULI
(REG NO: P02AR21S0054)**

**Miss. MADHUSHREE M. MURGOD
(REG NO: P02AR21S0066)**

Under the Guidance of

Dr. (Smt.) PUSHPA M. NALWAD

M. Sc., Ph. D.

Teaching Assistant

**P. G. Department of Mathematics
Karnatak Science College, Dharwad-580 001**

2022-2023

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**



*Re-accredited by NAAC 'A' Grade
University with Potential for Excellence*

CERTIFICATE

This is to certify that the M. Sc. project work dissertation entitled "DOMINATION IN GRAPHS" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Miss. Spoorti S. Managuli and Miss. Madhushree M. Murgod as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P.G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.

6/10/2023
Dr. (Smt.) Pushpa M. Nalwad
Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad

[Signature]
Dr. B. Parvathalu
Head
HEAD
P. G. Department of Mathematics
UG & PG Department of Mathematics
Karnatak Science College, Dharwad

Examiners:

- 1.
- 2.

[Signature] 7/10/23

**A PROJECT REPORT ON
NEUTROSOPHY AND NEUTROSOPHIC GRAPHS**



Re-accredited by NAAC 'A' Grade
University with Potential for Excellence

**DISSERTATION SUBMITTED TO THE
P. G. DEPARTMENT OF MATHEMATICS**

**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
FOR THE PARTIAL FULFILLMENT OF DEGREE OF**

**Master of Science
in
Mathematics**

Submitted by
Miss. ROHINI R. DESHPANDE
(REG NO: P02AB21S0058)
Miss. NIVEDITA GHATE
(REG NO: P02AB21S0062)

Under the Guidance of
Dr. (Smt.) PUSHPA M. NALWAD

M. Sc., Ph. D.

Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad-590 001

2022-2023

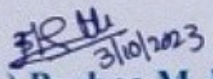
**KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
P. G. DEPARTMENT OF MATHEMATICS**

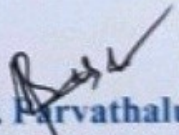


*Re-accredited by NAAC 'A' Grade
University with Potential for Excellence*

CERTIFICATE

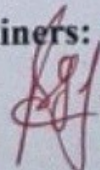
This is to certify that the M. Sc. project work dissertation entitled "NEUTROSOPHY AND NEUTROSOPHIC GRAPHS" submitted to the P. G. Department Mathematics, Karnatak Science College, Dharwad by Miss. Rohini R. Deshpande and Miss. Nivedita Ghate as a partial fulfillment for the award of the degree of Master of Science in Mathematics represents their project work and it has not been submitted previously in part or full, for the award of any other degree or diploma of this or any other University or Institution. They have carried out this project work at the P. G. Department of Mathematics, Karnatak Science College, Dharwad under my supervision and guidance.


Dr. (Smt.) Pushpa M. Nalwad
Teaching Assistant
P. G. Department of Mathematics
Karnatak Science College, Dharwad


Dr. B. Parvathalu
Head
P. G. Department of Mathematics
Karnatak Science College, Dharwad

Examiners:

1.

 7/10/23

2.

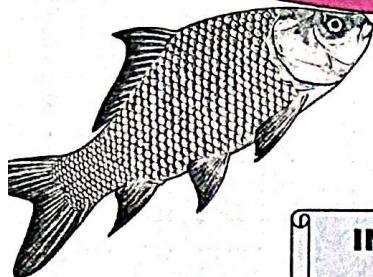


KARNATAK UNIVERSITY'S



**KARNATAK SCIENCE COLLEGE,
DHARWAD**

DEPARTMENT OF ZOOLOGY



**INDUSTRIAL FISH AND FISHERIES
DIVISION**

CERTIFICATE

College Roll No.: 274

Date: 02/08/22

Examination Seat No.: 1910025

2021-2022
B.S. VI sem

This is to certify that Kum/Shri AKHAY KUMAR B. Lamani

the student of **B.Sc. IV/VI** semester has satisfactorily completed the
Project report on Freshwater fishes **in**
Industrial Fish and Fisheries under my supervision in the Karnatak
Science College, Dharwad during 2021-2022 in the Class B.Sc. VI sem.

Seeher
Staff member in Charge

Dr. P. S. Chetani

Head of the Department





KARNATAK UNIVERSITY'S



**KARNATAK SCIENCE COLLEGE,
DHARWAD**

DEPARTMENT OF ZOOLOGY

**INDUSTRIAL FISH AND FISHERIES
DIVISION**

CERTIFICATE

College Roll No.: 216

Date: 08-02-23

Examination Seat No.: U02AB2150577

This is to certify that Kum/Shri Anita. S. Talawar

the student of **B.Sc. III** semester has satisfactorily completed the
Project on Edible fishes of India in **Industrial Fish and
Fisheries** under my supervision in the Karnatak Science College,
Dharwad during 2022-2023 in the Class **B.Sc. III** sem.

Staff member In Charge

Head of the Department

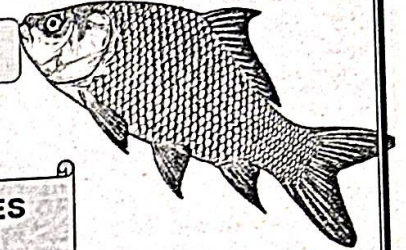
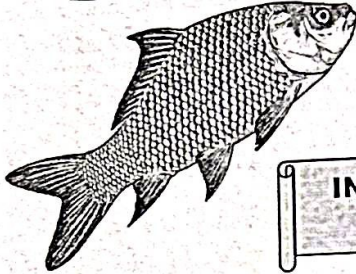


KARNATAK UNIVERSITY'S



KARNATAK SCIENCE COLLEGE,
DHARWAD

DEPARTMENT OF ZOOLOGY



INDUSTRIAL FISH AND FISHERIES
DIVISION

CERTIFICATE

College Roll No.: 303

Date: 10-08-2023

Examination Seat No.: 20S10176

Value
(1) 10/8/23

This is to certify that Kum/Shri MEHRIN SHAIKH

(2) 10/08/2023

the student of **B.Sc. VI** semester has satisfactorily completed the
Study Tour Report on Fish landing centre and Fisheries
institutes of Karwar in Industrial Fish and Fisheries under my
supervision in the Karnatak Science College, Dharwad during 2022-
2023 in the Class.

Staff member in Charge

Dr. S. S. Cheliker
10/08/2023

Head of the Department

Head of the Department
of Zoology,
Karnatak Science College,
Dharwad.

Karnatak Science College, Dharwad

Dept. of Zoology,

Industrial fish and fisheries division

Project on: Edible fishes of India

submitted by

Kum/Kumari:

S. Talawar

B.Sc. III sem

Roll No.: 216

Exam Seat No.: U02AB2160517

submitted to

Dr. Sameer G Chebbi

Dept. of Zoology,

Industrial fish and fisheries division

Karnatak Science College, Dharwad

2022-2023

STUDY TOUR

STUDY TOUR:



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD
NAAC Re-accredited by 'B' Grade
DEPARTMENT OF ZOOLOGY
Industrial Fish and Fisheries Section



Phone No.: 0836-2215410 and 2215400

Email ID: principal.kscd@gmail.com

Ref. ZKSCD/2022-23/315

Date: 03-08-2023

4/08/2023

To,

The Principal,
Karnatak Science College,
Dharwad-01.

Subject: Permission for a one-day study tour for the students of B. Sc. IV and VI sem Industrial Fish and Fisheries sectionReg

Madam,

I would like to inform you that, the students of B.Sc. IV and VI semesters studying in Industrial Fish and Fisheries section are visiting Karwar for a study tour programme on **1st August, 2023 (Monday)**. A total of **38 students** (Boys 21 and Girls 17) are accompanied by 03 staff members. As a part of the curriculum the students will visit the fisheries institute, landing centre and beaches. The list of students (Semester wise) is attached along with the letter. Kindly permit us in this regard. This is for your kind information and consideration.

Thanking you,

Yours faithfully

Dr. H.D. Neelgund

Co-ordinator,

Industrial Fish and Fisheries Section,

Department of Zoology

Karnatak Science College, Dharwad

Enclosure: List of B.Sc. IV and VI semester students

Submitted through: HOD, Department of Zoology, Karnatak Science College, Dharwad.

Shanabel 4/8/23
Head of the Department
of Zoology,
Karnatak Science College
Dharwad

Principal
Karnatak Science College
Dharwad

KARNATAK UNIVERSITY'S



KARNATAK SCIENCE COLLEGE, DHARWAD

AAC Accredited by B Grade

Department of Zoology

Industrial Fish and Fisheries Section



Ref. ZKSCD/2022-23/

Date: 7/8/2023

The Director

Central Marine Fisheries Research Institute (ICAR), Head Quarters

Post Box No. 1603, Ernakulam North P.O.,

Kochi-682 018.

Phone: +91 484 2394357 /12, 2391407, 2394867, 2397569, 2394268 /96, 2394750

Fax : +91 484 2394909

E-mail : director.cmfri@icar.gov.in

Subject: Visit to your esteem institute reg.....

Sir/ Madam,

I wish to bring to your kind notice that, as part of curriculum we need to visit marine cage farming and hatchery units. In this regard, we are interested to visit your esteemed institute as a part of one day study tour is organized for students of B.Sc. IV and VI semester Industrial Fish and Fisheries section, Department of Zoology, Karnatak Science College, Dharwad. A total of 38 students (21 Boys and 17 Girls) accompanied by 04 teaching staff will be visiting the centre on 7th August, 2023. I request you to permit us to visit the CMFRI Regional Station, Karwar. If possible a hands-on training/ lecture on "Sea Cage farming and Marine fish hatchery" will be of great help to the students. This is for your kind notice and consideration.

Thanking you,

Yours faithfully,

Dr. H. D. Neelgund,

Co-ordinator,

Industrial Fish and Fisheries Section,

Department of Zoology,

Karnatak Science College, Dharwad

Date: 1-08-2023

Place: Dharwad

Copy to: Scientist-in-Charge Karwar Regional Station of CMFRI Post Box No. 5 Karwar,

North Kanara - 581 301, Karnataka

Received



Certificate

This is to certify that, the following students of B. Sc IV & VI Semester of Industrial Fish & Fisheries Section, Department of Zoology, Karnatak Science College, Dharwad have visited the Regional Centre of Central Marine Fisheries Research Institute (CMFRI), Karwar, North Kanara, Karnataka along with and staff members as a part of a study tour on 7th August 2023.

Staff Members

Dr. H. D. Neelgund (Coordinator)

Dr. S.G Chebbi (Teaching Staff)

Dr. Kirthi Hosamath (Teaching Staff)

B.Sc. IV semester: Industrial Fish and Fisheries: 2022-23					
S. NO.	UUCMS NO	NAME OF THE CANDIDATE	GEN	DSC I	DSC II
1	U02AB21S0122	NAKIRAN DHARMANNA SOGALAD	M	BOT	IFF
2	U02AB21S0156	KUMAR MUKAPPA HARAVI	M	BOT	IFF
3	U02AB21S0495	RAJATKUMAR RAMESH MEDAR	M	BOT	IFF
4	U02AB21S0025	SATISH SIDDAPPA SAMPAGAR	M	CHEM	IFF
5	U02AB21S0311	SHRIKANTH	M	CHEM	IFF
6	U02AB21S0536	NAGARJUN METI	M	CHEM	IFF
7	U02AB21S0537	RAHUL IRAPPA JADHAV	M	CHEM	IFF
8	U02AB21S0014	AKASH SANGANABASAPPA LALASANGI	M	ZOO	IFF
9	U02AB21S0198	SHRISHAIL NARASANNAVAR	M	ZOO	IFF
10	U02AB21S0221	SANTOSH R LAMANI	M	ZOO	IFF
11	U02AB21S0465	B SIDDALINGA	M	ZOO	IFF
12	U02AB21S0534	PRASHANT JAGADISH HADALAGERI	M	ZOO	IFF
13	U02AB21S0596	ARUNKUMAR	M	ZOO	IFF
14	U02AB21S0626	NACHIKETAN B BHAJANTRI	M	ZOO	IFF
15	U02AB21S0629	SHIVARAJ PALLED	M	ZOO	IFF
16	U02AB21S0092	SOUMYA PATIL	F	CHEM	IFF
17	U02AB21S0113	PARVEENBANU M SHIRHATTI	F	CHEM	IFF
18	U02AB21S0223	BHUMIKA GIRISH TALAWAR	F	CHEM	IFF
19	U02AB21S0248	SONALI APPASAB JUJAGAR	F	CHEM	IFF
20	U02AB21S0517	ANITA SHANKAR TALAWAR	F	CHEM	IFF
21	U02AB21S0068	SOUMYA BHAJENTRI	F	ZOO	IFF
22	U02AB21S0294	SHANTAMMA	F	ZOO	IFF
23	U02AB21S0308	SOUMYA RAVINDRA UMARANE	F	ZOO	IFF
24	U02AB21S0541	AFIFAKOUSAR SARWAR	F	ZOO	IFF
25	U02AB21S0552	RASHMI NATEKAR	F	ZOO	IFF
26	U02AB21S0670	BHIMAVVA WALIKAR	F	ZOO	IFF
B.Sc. VI semester: Industrial Fish and Fisheries: 2022-23					
S. NO.	REG. NO	NAME OF THE CANDIDATE	GEN	COMBINATION	
1	20S10086	DHAMODAR DHANNUR	M	CBIF	
2	20S10158	MANIKANTA NAIK	M	CBIF	

3	20S10363	U. VEERENDRA	M	CBIF
4	20S10017	AJIT DADDI	M	CZIF
5	20S10102	HALASIDDANTH ARABHAVE	M	CZIF
6	20S10303	SHASHANK N.R.	M	CZIF
7	20S10058	BHAGYASHREE JALWADI	F	CBIF
8	20S10116	KAVERI CHIKKAMATH	F	CBIF
9	20S10184	NANDA CHIKKANARAGUND	F	CBIF
10	20S10270	SAHANA PYATI	F	CBIF
11	20S10176	MEHRIN SHAIKH	F	CZIF
12	20S10272	SAHANA KATTIAMNI	F	CZIF

Date: 7th August 2023


(CSURESH BABU . P.P)





Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD

Department of Zoology

NAAC – Accredited

Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334

Email: principal.kscd@gmail.com Web: www.kscd.ac.in



No. KSCD/2022-23/

:

Aim and objective of Industrial fish and fisheries study tour:

Educational Tours for students provide them with an opportunity to collaborate with teachers, and integrate new perspectives with informal environments to enhance learning initiatives. Among the many educational tour benefits, skill development is the most important. In order to meet several educational tour objectives, students need to apply skills, values and general knowledge.

Objective of study tour

- Effective Learning is the process of acquiring new knowledge or modifying the existing knowledge, behaviors, skills, values, or preferences in fisheries field.
- Learning is more effective when it comes through experiences in the field of fisheries.
- To acquire first-hand knowledge about a different aspects infisheries in India.
- Using the knowledge acquired to gain an understanding of programs, policies, services and procedures that impact in the fisheries activity.

Industrial fish and fisheries section will conducting the study tour for BSc VI sem of total 38 students (Boys 21 and Girls 17) to Karwar to various fisheries institute, beaches, back water and fish market, fish landing centre etc., on 7th August, 2023.

Out-come of study tour

- Hands-on learning experiences in the field of fisheries.
- Educational tours that incorporate interactive learning can be a powerful tool for students to deepen their understanding of a subject or topic.
- By actively participating in the learning process, students are more likely to retain information and develop critical thinking skills.
- Additionally, interactive learning can be more engaging and enjoyable for students, making it a valuable addition to any educational tour.

Benuka

Head of the Department,
of Zoology,
Karnatak Science College,
Dharwad.

M. S. S. S.

Principal,
Karnatak Science College
Dharwad

Micro Biology: RICO WINE INDUSTRY:

 **KARNATAK SCIENCE COLLEGE, DHARWAD.**
DEPARTMENT OF ZOOLOGY MICROBIOLOGY SECTION
NAAC – Accredited

Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334
Email: principal.kscd@gmail.com Web: www.kscd.ac.in

No.KSCD/2022-23 / 200/1000/172 Date: 30/01/2023

To,
The General Manager
Rico Winery Pvt. Ltd
Kannal -586119
Vijayapur

Sub: To issue the permission to visit your wine industry on **02/02/2023.**

Sir,

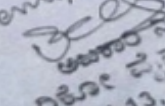
With respect to above subject mentioned that as part of syllabus we the teachers along with **B.Sc. V Semester Microbiology** students of Department of Microbiology wish to visit your esteemed Industry on **02/02/2023 at 11.00 AM** onwards. All the students wish to have onsite information regarding the fermentation process, production, quality control and recovery. The list of Students and faculties is attached herewith

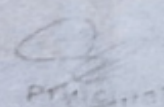
Kindly permit us to visit your industry on **02/02/2023 at 11.00 AM** onwards and guide them in this regard. A line of reply will be greatly appreciated.

List of students and staff is enclosed.

With warm regards

Permitted
08/02/2023
08/02/2023
NH-13, 14th
08/02/2023


Smt. Dr. R.D. Sankal
Co-ordinator
Head of the Department
of Zoology,
Karnatak Science College
Dharwad


Principal
Karnatak Science College
Dharwad

**List Of Students , Teaching And Non teaching Staff Visiting Rico winery
Pvt.Ltd, Kannal, Vijayapur, on 02-02-2023 (Thursday).**

Sl. No	Name of the student	Roll Number
MALE STUDENTS		
1.	Indrakumar kolkar	231
2.	Satish Sajali	236
3.	Tukaram Gudadur	238
4.	Darshan D	290
5.	Kishore Magundanavar	292
6.	Manoj Chittapur	293
7.	Saiyad Mulla	295
8.	Samarth Badami	296
FEMALE STUDENTS		
9.	Madhushri Hanumnaikar	232
10.	Nikita Gudipati	233
11.	Priyanka Hiremath	234
12.	Priyanka Salimath	235
13.	Swati Naik	237
14.	Veena Bhandari	239
15.	Bhagyashree Kulkarni	288
16.	Bushra Mulla	289
17.	H K Bhoomika	291
18.	Sahana B J	294
19.	Shirin Shaikh	297
20.	Shweta Keri	298
TEACHING FACULTIES		
21.	Dr. Harsha D Nilgund Assit. Prof. Dept of Zoology. K.Sc.C. Dharwad	
22.	Dr. Manohar Pattar (Teaching Faculty) Microbiology section	
23.	Shri. Ambarish Sindagi (Teaching Faculty) Microbiology section	
24.	Dr (Smt) Kirti Hosmath (Teaching Faculty) Microbiology section	
NON-TEACHING FACULTIES		
25.	Smt. Vanita V G (Lab-assistant)	
26.	Shri. Basu G K (Lab-attender)	

Verinita
02/02/2023
NH-13, 14th & 15th
ಜಿಲ್ಲಾ ಪರಿಷತ್, ವಿಜಯಪುರ

Danakal
Co-Ordinator
Microbiology
Karnatak Science College,
Dharwad-580 001



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
DEPARTMENT OF MICROBIOLOGY
NAAC- Accredited



Phone No: 0836-2215410 & 2215400 Fax: 0836-2744334
Email: principal.kscd@gmail.com Web: www.karnatakcollege.com

STUDY TOUR REPORT

As part of the of practical syllabus of microbiology course the study is mandatory which has following objective

Venue : Rico wine Industry

Date of Visit : 02-02-2023

Number of students : 20

Number of Teaching staff : 03

Number of Non-teaching staff : 02

Introduction :

The Department of Microbiology, Karnatak Science College, Dharwad, visited the Rico wine industry, Kannal, Vijayapur, for knowing for high quality wines. The industry is located about by lush green vineyards making it an ideal place for a study tour. On February 2nd 2023, we a group of 25 members including 03 teaching staff, 02 non-teaching staff and 20 Students visited Rico wine industry as a part of students educational tour. The purpose of visit is mentioned below under scope and objectives.

Scope: The Rico winery is located in Vijayapur District of Karnataka. Which is one of the esteemed unit of Study tour provides onsite study of winery industry. Where students get golden opportunity to learn production of wine from raw material to product.

Souakel
Head of the Department
of Zoology,
Karnatak Science College,
Dharwad.

Mh
Principal,
Karnatak Science College
Dharwad.

Study tour outcome:

- On site study of screening of raw materials used for wine production.
- Detailed study of different steps involved in wine fermentation process
- In house Quality control tests of wine sample.
- Quality Assurance aspects in Wine Industry.
- Managing the ageing process of wine
- Management of Industrial waste at Environmental Treatment Process Unit of wine industry

Bhaukal

Head of the Department
of Zoology,
Karnatak Science College,
Dharwad.

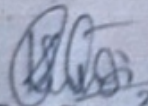
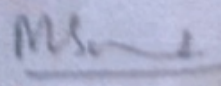
Msa Lt

Principal,
Karnatak Science College
Dharwad.





BIOTECHNOLOGY:

	Karnatak University's, KARNATAK SCIENCE COLLEGE, DHARWAD Phone No: 0836-2441146 & 2215403 Fax: 0836-2744334 Email: principalksed@gmail.com Web: www.ksed.org.in DEPARTMENT OF BIOTECHNOLOGY	
KSCD/Biotech/2022-23		<i>Date: 02-08-2023</i>
To, The Director, Rico Winery, Solapur Highway, Vijayapur-560064		
Sir / Madam,		
Subject: Regarding seeking permission to visit your industry regarding,		
Ref: Email: wine.master1@ricowines.com date: 01-08-2023		
With reference to above subject and reference cited above. We know that Rico winery is mainly focusing on industrial related productions. The staff and students (04 staff and 30 students) of Biotechnology subject of Karnatak University's, Karnatak Science College, Dharwad, Karnataka, they would like to study visit your industry on 5th August 2023. For students of Biotechnology visiting research institute or industry is part of their curriculum to inspire and motivate the students to take up research / industrial assignment as their career. Hence, I request you to provide permission for one day visit to your industry. This is for your kind perusal and needful arrangements.		
Thanking you.		
 Co-ordinator Biotechnology Karnatak Science College, Dharwad (Signature of Co-ordinator)	 	 PRINCIPAL Karnatak Science College Dharwad



Karnatak University's,

KARNATAK SCIENCE COLLEGE, DHARWAD

Phone No: 0836-2441146 & 2215403 Fax: 0836-2744334

Email: principal.kscd@gmail.com Web: www.kscd.org.in



KScCD/2022-23/Biotech/

Date: 02-08-2023

DEPARTMENT OF BIOTECHNOLOGY

To,
The Principal,
Karnatak Science College
Dharwad

Madam / Sir,

Subject: Request for the permission to study tour regarding.

The students of B.Sc VI semester (CBBT and CZBT) are decided to go to Rice Winery Pvt Ltd, Vijayapur for one day study tour on 05/08/2023, 03 teachers along with a supporting staff. This will help the students to enrich their academic knowledge. This type of educational tour is a part of academic curriculum in Biotechnology carrying 05 marks. Therefore, permit for the one day study tour.

The list of the students is enclosed herewith for your perusal.

This is for your information.

Yours faithfully

Coordinator

Co-ordinator
Biotechnology

Karnatak Science College
Dharwad

Submitted through: The HOD, Chemistry, Karnatak Science College, Dharwad

Permitted

HOD of Chemistry
Karnatak Science College
Dharwad

PRINCIPAL
Karnatak Science College
Dharwad



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
Phone No: 0836-2441146 & 2215403 Fax: 0836-2744334
Email: principal.kscd@gmail.com Web: www.kscd.org.in



KScCD/2022-23/Biotech/

Date:

Department of Biotechnology
List of B.Sc VI Sem Students For Study Tour

Sl. No.	Name of the Candidate	Examination No.	SEX	AGE
1	Akshata Mared	20S10020	F	21
2	Akshay Hegde	20S10021	M	21
3	Anju Lamani	20S10028	F	21
4	Anusha Goudar	20S10031	F	21
5	Aparana Karani	20S10033	F	21
6	B. Dinesh	20S10045	M	21
7	Basavaraj N	20S10053	M	21
8	Bhumika S	20S10064	F	21
9	Gayatri R	20S10096	F	21
10	Khwajabi N	20S10123	F	21
11	Mahalaxmi G	20S10144	F	21
12	Megha Patil	20S10171	F	21
13	Meghna Nayak	20S10174	F	21
14	Mujammil S	20S10179	M	21
15	Pooja Jarali	20S10204	F	21
16	Pratibha Hgde	20S10215	F	21
17	Ranjitha A	20S10241	F	21
18	Rutuja Chougale	20S10260	F	21
19	Sahana Jadhav	20S10267	F	21
20	Sahana Mansur	20S10271	F	21
21	Sanjotha Patil	20S10282	F	21
22	Shivani B	20S10311	F	21
23	Shravan	20S10320	M	21
24	Sinchana K	20S10335	F	21
25	Suchitra Talwar	20S10343	F	21
26	Vidya M	20S10380	F	21
27	Vital Bani	20S10398	M	21
28	Kavya B.R	S2008222	F	21
29	Nivedita	20S11728	F	21

M. S. S.

PRINCIPAL

Karnataka Science College
Dharwad



Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD
Phone No: 0836-2441146 & 2215403 Fax: 0836-2744334
Email: principal.kscd@gmail.com Web: www.kcd.org.in
DEPARTMENT OF BIOTECHNOLOGY



KSCD/Biotech/2022-23

Date:

STUDY TOUR REPORT 2022-23

For students of Biotechnology visiting Research Institute / Industry is part of their curriculum to inspire and motivate the students to take up research / industrial assignment as their career.

Venue : Rico Winery Pvt. Ltd., Vijayapur, Karnataka, India.

Date of Visit : 05-08-2023

Number of students : 30

Number of Teaching staff : 03

Number of Non-teaching staff : 01

Introduction :

The Department of Biotechnology, Karnatak Science College, Dharwad, visited the Rico Winery Pvt. Ltd., Kannal, Vijayapur, Karnataka, India for knowing for high quality wines. The industry is located about by lush green vineyards making it an ideal place for a study tour. On August 5th 2023, we a group of 34 members including 03 teaching staff, 01 non-teaching staff and 30 Students visited Rico wine industry as a part of students educational tour. The purpose of visit is mentioned below under scope and objectives.

Scope: The Rico winery is located in Vijayapur District of Karnataka. Which is one of the esteemed unit of study tour provides onsite study of winery industry. Where students get golden opportunity to learn production of wine from raw material to product.

Study tour outcome:

- On site study of screening of raw materials used for wine production.
- Detailed study of different steps involved in wine fermentation process
- In house Quality control tests of wine sample.
- Quality Assurance aspects in Wine Industry.
- Managing the ageing process of wine
- Management of Industrial waste at Environmental Treatment Process Unit of wine industry.

M. S. S.

PRINCIPAL

Karnatak Science College
Dharwad



GEOLOGY



KARNATAK UNIVERSITY'S

KARNATAK SCIENCE COLLEGE, DHARWAD

Note No:

Page No: 01

Ref: KSCD/Geol/2022/ 205

Date: 08/06/2022

GEOLOGY
K.Sc.C.D

Sub: Permission to undertake Geological Study Tour for B.Sc VI Semester Geology optional students 2022-23 and grant permission to utilize sanctioned amount of Rs. 20,000/- under BH.No. 13802.

SUBMITTED:

1. As per the curriculum, the B.Sc VI Semester Geology optional students of Karnatak Science College, Dharwad are intended to taken for Geological Field mapping and Geology study tour for the year 2022-23.
2. The said Geological Study Tour is compulsory and as per the part of syllabus.
3. There are 55 students (27 Boys and 28 Girls) of B.Sc VI semester Geology (Optional).
4. The students will be carrying out geological field mapping and study tour in and around Mysore, KRS Railway Station, KRS Dam, Karighatta, Srirangapattana, Najanagudu, Talakadu, Shivanasamudram falls and Ooty.
5. Hence, the permission be accorded to take 55 students of B.Sc VI sem Geology (Opt) students accompanied by three (03) faculty members Dr.J.T.Gudagur, Dr.R.Y.Budihal and Dr.Manjunatha.S, Associate Professors of Geology Department, Karnatak Science College, Dharwad from 25/06/2022 to 30/06/2022 for about three (05) days.
6. For this purpose an amount of Rs. 25,000/- has been allotted under the BH No. 13802 and after deduction Rs. 20,000/- is available and other remaining amount if available may be utilized to meet out the expenditure of two staff members.

"For Orders Please"

Head
Department of Geology

Principal
Karnatak Science College, Dharwad

Registrar
KUD, Dharwad



KARNATAK UNIVERSITY'S
KARNATAK SCIENCE COLLEGE, DHARWAD

Accredited "B" Grade with 2.26 CGPA in point scale



DEPARTMENT OF GEOLOGY

NO:KSCD/Geol/2022-23/

Date: 22.06.2022

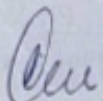
List of B.Sc VI Semester optional Geology students and Teachers accompanying the study tour for the year 2022

S.No	Reg No	Name of the Candidate	Gen	Age	Mobile No
1	19S10015	Aishwarya Hatti	F	20	6363887255
2	19S10023	Akshata Melinakeri	F	22	9972688002
3	19S10043	Anupama Poojar	F	21	8088455260
4	19S10044	Anusha Algur	F	21	9353265661
5	19S10049	Arpita Desai	F	21	7349106944
6	19S10051	Arpita Kalal	F	22	9353552736
7	19S10073	Brunda V H	F	21	8296122616
8	19S10098	Divyarani Archak	F	20	9108110369
9	19S10102	Sirisha G	F	21	9148925172
10	19S10106	Gangabai Saravari	F	21	8317386549
11	19S10112	Gouramma Havanagi	F	21	9606724415
12	19S10121	Haseenabanu Sulikeri	F	21	9380346912
13	19S10146	Kirana L	F	21	9686846431
14	19S10201	Nasreen Kunnibhavi	F	22	9742136809
15	19S10248	Pratibha Nelogal	F	21	8105374574
16	19S10281	Roopa Choudhari	F	21	7996466560
17	19S10311	Savita Hatti	F	21	8951219526
18	19S10348	Sindu Bellundagi	F	21	9964338289
19	19S10353	Sneha Javalimath	F	21	8073174974
20	19S10369	Sushma Chandrahas	F	22	9108910991
21	19S10373	Suvarna Patil	F	22	9108479858
22	19S10377	Swati Adannavar	F	21	9353887670
23	19S10389	Vanahar Makandar	F	21	9902541257
24	19S10060	Basavaraj	M	21	8123080417

25	19S10085	Dadasaheb Kamble	M	20	6361689727
26	19S10096	Dharnesh A	M	21	8722545366
27	19S10109	Giriraja G	M	20	8431087113
28	19S10148	Kishor Pawar	M	21	9380409047
29	19S10151	Lakshman Madihalli	M	21	6361061540
30	19S10170	Mahesh Devaramani	M	21	8867505382
31	19S10183	Mayur Patil	M	21	8431121880
32	19S10202	Naveen R H	M	21	6362879049
33	19S10209	Neeraj Saka	M	21	7338369168
34	19S10218	Nishad Hiremath	M	22	6360004510
35	19S10219	Kirankumar . P	M	21	7259616791
36	19S10269	Rajesh Powar	M	21	8431829540
37	19S10277	Ravi Kammar	M	21	6363327960
38	19S10285	Sachin Motebennur	M	22	9731171105
39	19S10302	Sanket Tole	M	21	9871510751
40	19S10349	Siripuram Samanuith	M	20	8374671700
41	19S10385	Umesh Lamani	M	22	8970996746
42	19S10407	Vinay Pagadekal	M	21	9148169468
43	19S10409	Vinayak Parthanahalli	M	20	9019194618
44	19S10419	Yallappa Shingadi	M	21	8197132994
45	19S10422	Yuvaraj Y	M	20	6360364368

47Teacher Incharge

46	Dr.J.T.Gudahur	M	54	9448760054
47	Dr.R.Y.Budihal	M	57	8762334251
48	Dr.Manjunatha.S	M	54	6363690565


Study Tour Incharge


HEAD
Department of Geology
Karnatak Science College
DHARWAD-1.


Principal





**Karnatak University's,
KARNATAK SCIENCE COLLEGE, DHARWAD**

(Constituent College of Karnatak University, Dharwad)

NAAC Accredited

Phone No;0836-2215410 & 2215400 E-mail: principal.kscd@gmail.com

Web: www.kscd.ac.in



**Department of Geology
Study tour 2022-23**

Aims and objectives of Geology Study Tour

The Geology study tour forms integral part of the course and carries marks. Since Geology is a field oriented course as many number of field visits will help the students to get an exposure in the subject.

Objectives of the study tour

- To provide basic knowledge, identification and collection of different minerals, rocks, fossils study of geological structures and morphological features in the field.
- Geological field mapping is carried out know the different lithounits, soil type and structures etc., by visiting well known geological areas.
- To acquire knowledge in the field of quarrying and mining industries pertaining to various methods open cast and underground mining.
- To enhance the geological knowledge by visiting to National Research and development institution like GSI, NIO, NRGI, AMD, ONGC, NMDC, ISRO etc.
- To prepare a detailed field report on the assignment carried out and submit for the examination for evaluation at the end of each year.

Outcome of Geological Study tour

- ✓ Detailed study of minerals, rocks and fossils students are able identify them in the natural state.
- ✓ By carrying out geological field mapping students acquire the essential knowledge of mapping various geological aspects and representing them in the form of geological maps by using different symbols, signs, colour coding etc.
- ✓ On site experience of open cast and underground mining : a) Mineral exploration b) planning, metallurgy and different ore processes/beneficiation.
- ✓ By visiting R &D's, students get motivated and get inspiration to become a geoscientist.

STUDY TOUR REPORT

As a part of curriculum, we the students of B.Sc VI Semester Geology (Optional) have carried out geological field mapping / Study tour from 25th June to 31st June 2022 around Mysore , Ooty , KRS , Karighatta and other areas of Geological significance.

Day 1:- Chamundi Hill

On 26th June, We visited the Chamundi Hills, Where we studied the granite porphyry rocks. The Big chunks of feldspar, orthoclase or microcline in the form of phenocrysts are found embedded within the medium to fine grained groundmass. The matrix is of quartz, ferromagnesium and other accessory minerals. Wherever K-Feldspar (Orthoclase) is predominant, the rocks show Pink color.

The Study of these rocks, reveal that they possess inequigranular texture, i.e porphyritic texture. The rocks on the Chamundi hills are designated as granite porphyries. The interesting features developed in such granite porphyries, are mural jointing. At places, We do find xenolithic patches in the granites. Numerous feldspathic veins along with chilled margin transverse the granite rocks.

Day 1:- Krishna Raja Sagara {K.R.S}

We went for transversing along the Krishna Raja Sagara railway cuttings, where we observed the outcrops of biotite gneiss exhibiting various types of folds, mainly, Recumbant fold, Chevron fold, etc. At places, we found limbs and hinges of numerous synclines and anticlines.

The intensely folded gneiss might be due to the compressive force resulting from tectonic movement acted upon the dipping gneissose Rocks. At some places the surface of the limbs show the evidence of faulting, such as step-like structure, resinous surface and thin veinic flowage of biotite mica.

Day 2:- Udagamandalam {OOTY}

On 27th June, we visited the botanical garden and we have seen the garden thoroughly and observed that there are many geologic structures. We also seen the petrified fossil rock.

While our travelling in vehicle, we have observed that the entire Ooty is situated on charnockitic rocks (Hypersthene bearing granites).

Day 3:- Gaganachukki and Barachukki Waterfalls

On 28th June, we visited the Gaganachukki waterfalls located in the Mandya district, here the Shimsha River falls from a height of 90m. At 598m above the MSL ($12^{\circ} 17.7530' N$, $77^{\circ} 10, 0610' E$). We could see biotite gneiss, on which the river Shimsha forms waterfall.

From Gaganachukki we moved towards Chikkamuttatti, where we could see the outcrop of gneissic granite ($12^{\circ} 17'27'' N$, $77^{\circ} 09'34'' E$) with different types of joints. We measured the gneissosity trending $N 25^{\circ} W$ and $S 25^{\circ} E$ with high angle dip towards the east. We noticed various quartz vein intrusion in the gneissic granite, we also saw horizontal, vertical and inclined (crisscross) joints on the gneiss.

Day 4:- Karighatta Hill

On 29th June, we went to geologically most important hillstation i.e Karighatta hill located in the Sri Rangapatna taluk of Mandya district. It belongs to the Karighatta schist belt of Dharwar craton. The Karighatta has housed a variety of rocks, both igneous and metamorphic ageing around 3400 million years.

We started our field mapping at the base of the Karighatta Hill where the river Cauvery flows. We could recognize the peninsular gneisses occupying the low land area. There were medium to coarse grained rocks exhibiting gneissic Fabric, consisting of well-foliated bands of alternate light (felsic) and dark (mafic) minerals with the trend ranging from $N-S$ to $N 40^{\circ} E$ and steep dip varies from 80° to almost sub-vertical.

After completing our studies, we moved towards the bottom of Karighatta section where we observed an outcrop of fuchsite quartzite bending $N 40^{\circ} W$. we also measured the dip angle and various types of joints.

On the way uphill at an altitude of 773m above M.S.L., We saw highly weathered biotite gneiss outcrops. At an elevation of 768m above M.S.L. We noticed huge outcrop of diorite porphyry and amphibolite with garnet mineral. After completing our stratigraphical and structural studies. We went to the Wellesley bridge, where we saw huge outcrops of syenite porphyry on the bank of river Cauvery.





Botany:
Msc –Botany:



KARNATAK UNIVERSITY, DHARWAD
Karnatak Science College, Dharwad

NOTE PAGE :

PAGE NO. :

FILE NO. : 457

DATE : 06/01/2023

Botany Dept.
KSCD
(PG)

Subject: Administrative and financial approval for conducting M.Sc. I semester Botany study tour of Department of Botany, Karnatak Science College, Dharwad for the year 2022-23.

SUBMITTED:

1. As per the curriculum of Karnatak University Dharwad for M.Sc. I semester, Botany students have to carry out compulsory Botanical study tour to study the taxonomy, vegetation and forest types and phycofogy during the academic year 2022-23.
2. M.Sc. I semester students strength is around 39 for the year 2022-23. Probable visiting places are-
 - i) Visiting some places of Western Ghats of Karnataka
 - ii) Visiting some places of Western Ghats of Kerala / Tamil Nadu
3. The study tour will be undertaken to any one of the above mentioned visiting places in para 2.
4. The study tour will be conducted in the month of January/ February 2023 for 3 to 5 days. Total students= 26 (Boys=07, Girls=19)
5. The staff members visiting these places are- tour leader Dr. K.P. Kolkar with accompanying staff Dr. (Smt) D.M. Singh and Dr. K.Kotresha and one attender.
6. The approximate expenses of the tour will be Rs. 20,000/-.
7. The TA/DA and Sundry expenses of staff may be met out from the College P.D. account.
8. The tour will be conducted by Train or by hiring KSRTC.BUS/Private bus. (If the places are not connected by train).
9. Bills will be submitted for reimbursement after conducting the study tour. Therefore permission may be kindly accorded to conduct the said study tour.
10. Hence an approval is sought in this regard.

For Orders please

Office Superintendent

[Signature]
6/1/23

Head Dept. of Botany

[Signature]

Principal

Registrar

**Karnatak University's
KARNATAK SCIENCE COLLEGE DHARWAD**

Department of Botany

M.Sc I semester Study Tour for the Year 2022-23

Sl. No.	UUCMS No.	Students name
1.	P02AB22S028001	GULZAR BASHA M KAKAR
2.	P02AB22S028003	RASHMI GULAGULI
3.	P02AB22S028004	YUKTI YALLAPPA KATTNALLI
4.	P02AB22S028005	SACHIN MALLESHAPPA PATIL
5.	P02AB22S028006	BIBI AYESHA SHERDI
6.	P02AB22S028007	SUPRIYA S PATIL
7.	P02AB22S028008	B K RAKSHITHA
8.	P02AB22S028009	RAKSHITA PUTANIKAR
9.	P02AB22S028010	NEHAKOUSAR NOORAHAMAD BANKAPUR
10.	P02AB22S028011	PRAJWAL GOVIND DODDAMANI
11.	P02AB22S028012	SANJEEV KALLOLLI BHOVI
12.	P02AB22S028014	AKSHAY IRANNA TANTRI
13.	P02AB22S028015	POOJA SANNAGOUDAR
14.	P02AB22S028016	LAXMI N BIRADI
15.	P02AB22S028017	SMITA A DYAVANNAVAR
16.	P02AB22S028018	SPOORTI H DESHI
17.	P02AB22S028019	POOJA C PATIL
18.	P02AB22S028020	SHRIGOURI HATARAKI
19.	P02AB22S028021	MEGHA BENNUR
20.	P02AB22S028022	SOUNDARYA R MADANBHAVI
21.	P02AB22S028023	SRUSHTI LAKKANAGOUDAR
22.	P02AB22S028024	MEGHA MAHALINGAYYA HIEMATH
23.	P02AB22S028025	CHETAN S SUNKAPUR
24.	P02AB22S028026	PAVANKUMAR
25.	P02AB22S028027	PRASHANT BYATAGER
26.	P02AB22S028028	SAKSHI GOVIND CHOUGULE

M.SC. PREVIOUS BOTANICAL STUDY TOUR REPORT

2022-2023

Dr.K.P.Kolkar , Professor

Department of UG, PG and Research in Botany,
Karnatak Science College, Dharwad – 580 001

As per the curriculum of Karnatak University Dharwad for Msc .I semester Botany students have to carry out compulsory Botanical Study Tour to study the Taxonomy ,Vegetation and Forest Types and Phycology during the Academic year 2022-23. The following objectives and aims,

1. To know the type of forest/s and vegetation composition.
2. To identify and introduced the unknown plant species to students
3. To understand the lower and higher plant specimens
4. To collect the required amount of plant materials for regular practical Lab.
5. To study the xeric, aquatic specimens and their natural adaptation

The above objectives and aims, the Department of Botany, Karnatak Science College, Dharwad have conducted the Botanical study tour for M.Sc.I semester students. 26 students were attended out of 28 students(Boys-07, Girls-19) on 30th January to 1st February 2023 to visit Kemmanagundi and surrounding places .

Prof. K.P.Kolkar (tour leader), Prof. K.Kotresha and Dr.(Smt).Doris.Singh. with Mr. Angadi (attender) were accompanying the tour.

30th January, 2023:

We left Dharwad to Birur reached Kallatagiri falls to study the many aquatic Plants and Patches of Evergreen forest with Temperate forms and without Coniferous the Rainfall more than 80 inches. The Composition of the forest the species are *Glochidion*, *Myristica maonifica* and some Climbers *Pothos* and *Piper* Etc.

31st January and 1st February, 2023:

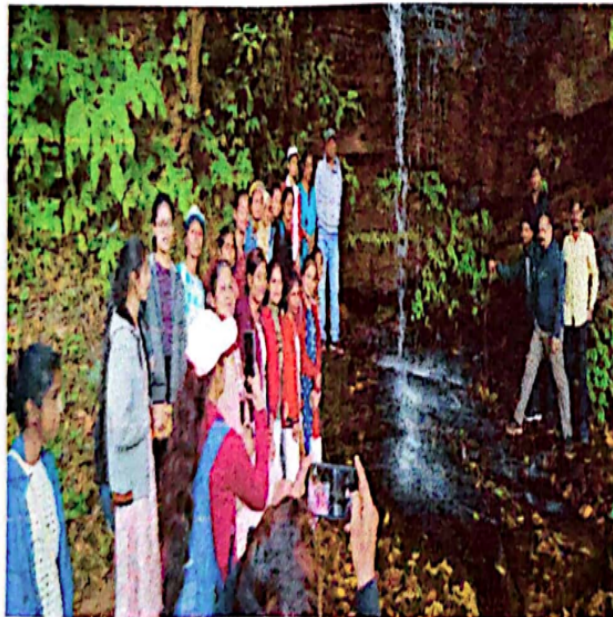
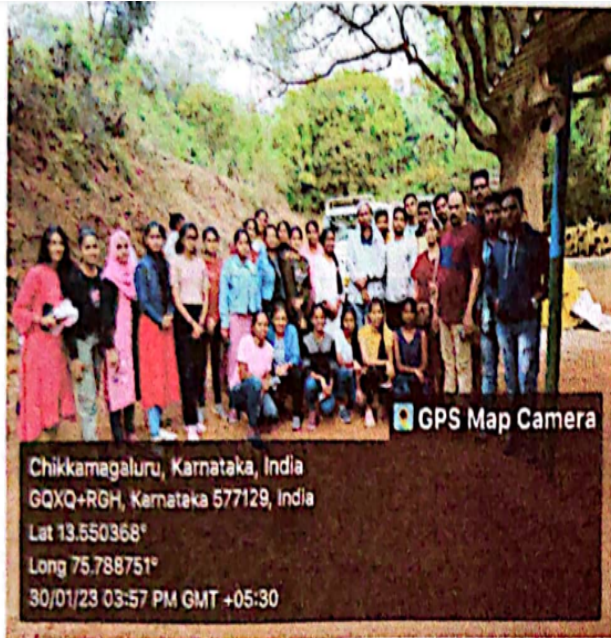
Proceed towards visit to Mullayanagiri , Abbe Falls,Shankar Shola and surrounding Places. The range of forest vegetation is Evergreen Patches. The distribution on the slopes of Mountains between 3000 Feet and 5000 Feet Altitude Forest called Sholas develop in the sheltered folds Rainfall-80 to 100 inches ,Temperature 65° F(January to February).

Composition of the forest includes *Eugenia* ,*Actinodaphne lawsoni* ,*Gerdonia*,*Meliosma* Etc.

The ground vegetation is better developed due to improved lighting and Epiphytes, Climbers are abundant. The Bamboo layer when present consists of *Dendrocalamus*, *Oxytenanthera*

Study tour outcome:

On site study of plants to know the vegetation of Forest types, natural habitat conditions and Canopy structure etc. They learnt and observed the different types of Forest. It is more important and easy to understand when compared to laboratory.





KARNATAK UNIVERSITY, DHARWAD
Karnatak Science College, Dharwad

NOTE PAGE :

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DATE :

Botany Dept.
KSCD

Subject: Administrative and financial approval for conducting B.Sc. II, IV and VI semester Botany study tour of Department of Botany, Karnatak Science College, Dharwad for the year Budget of 2023-24 budget head No. 13502

SUBMITTED:

1. As per the curriculum of Karnatak University Dharwad for B.Sc. II, IV and VI semester (CBCS), Botany students have to carry out compulsory Botanical study tour to study the plants in their natural habitat and forest types during the academic year 2022-23.
2. B.Sc. II semester students strength is around 80 (G=39, B=41) for the year 2022-23. Probable visiting places are-
 - i) Kalghatagi, Yallapur, Sirsi, Yana Forest
3. The following staff members will be visiting the above places with B.Sc. II sem students total=80 B=41, G=39): tour leader Dr. K.Kotresha with one or two accompanying staff.
4. B.Sc. IV semester students strength is around 92 (G=54, B=38) for the year 2022-23. Probable visiting places are-
 - i) Londa, Castle Rock OR
 - ii) Handibadanganath and surrounding place OR
 - iii) Ulavi, Kaiga, Karwar OR
 - iv) Magod and Janakal guda
5. The following staff members will be visiting the above places with B.Sc. IV sem students total=92 B=38, G=54): tour leader Dr. K.Kotresha with one or two accompanying staff.
6. B.Sc. VI semester (CBCS - SEC-II paper) students strength is around 11 (G=4, B=7) for the year 2022-23. Probable visiting places are-
 - i) Haliyal, Yallapur, Sirsi, Yana Forest
7. The following staff members will be visiting the above places with B.Sc. VI sem students total=11 B=7, G=4): tour leader Dr. K.Kotresha .
8. The study tour for B.Sc. II, IV and VI Semester will be conducting in the month of June to August 2023.
9. The TA/DA and Sundry expenses of staff may be met out from the budget head No. 13502 from the budget of the year 2023-24.
Hence an approval is sought in this regard.
Total amount provided under budget head (No.13502) Rs. 16,000/-
20% deduction Rs. 3,200/-
Amount spent so far Rs. NIL
Amount available after 20% deduction Rs. 12,800/-
10. The tour will be conducted either Train or by hiring KSRTC BUS/Private Bus. (if the places are not connected by train)
11. Bills will be submitted for reimbursement after conducting the study tour. Therefore permission may be kindly accorded to conduct the said study tour.

For Orders please

Office Superintendent

for approval

[Signature]

11/1/24

B.Sc. II Semester (NEP) Study Tour 2022-23 - GIRLS

SL. NO.	UUCMS NO.	STUDENTS NAME
1.	U02AB22S0023	SUDHA NINGAPPA JALIKATTI
2.	U02AB22S0026	CHANDRIKA S PATIL
3.	U02AB22S0162	BHARGAVI
4.	U02AB22S0201	SUCHITRA SIDDAPPA KARANI
5.	U02AB22S0203	SAVITRI
6.	U02AB22S0288	SVEDA RUQHAIYYA ANJUM
7.	U02AB22S0403	GEETA DEVALAPPA PUJAR
8.	U02AB22S0423	VARSHA
9.	U02AB22S0425	DEEPA V KHATAWKAR
10.	U02AB22S0444	SINDHU PARAMESHAPPA UJJANAGOUDRA
11.	U02AB22S0447	PALLAVI SHIDDALINGAPPA ELEHOLI
12.	U02AB22S0501	ANUSHA SURESH CHANDAPUR
13.	U02AB22S0508	VICTORIYA M MALLADAD
14.	U02AB22S0517	MAHALAXMI REVANSIDDAYYA HIRESMATH
15.	U02AB22S0544	DISHA VINAYAK HEGDE
16.	U02AB22S0566	BHAVANI MARADANNAVAR
17.	U02AB22S0570	ANJANA JADHAV
18.	U02AB22S0603	CHANDANA U
19.	U02AB22S0639	DEEPIKA B S
20.	U02AB22S0667	VEENA RAMESH HUKKURI
21.	U02AB22S0671	SHREYA BELGAUM
22.	U02AB22S0680	LJAVATI MARUTI BAIKGER
23.	U02AB22S0699	VAISHNAVI M LAGIMATH
24.	U02AB22S0710	VEDAVATHI S I
25.	U02AB22S0714	GOUTAMI HANUMAGOUDA DODDAGOUDRA

KOOSA

HEAD

Department of Botany

Karnatak Science College, Dharwad

B.Sc. II Semester (NEP) Study Tour 2022-23 - BOYS

SL. NO.	UUCMS NO.	NAME OF THE STUDENT
1.	U02AB22S0025	NAVANEET
2.	U02AB22S0089	SUNIL
3.	U02AB22S0174	ANKUSH
4.	U02AB22S0209	D MALLESH
5.	U02AB22S0216	PRAVEENKUMAR KAMBLE
6.	U02AB22S0319	AVINASH RATHOD
7.	U02AB22S0325	AVINASH LAMANI
8.	U02AB22S0442	DURUGESH MUSAR
9.	U02AB22S0464	PRAJWAL ENAGI
10.	U02AB22S0514	ABHINAV C HODLA
11.	U02AB22S0528	LOHITH KUMAR E KORATAGERI
12.	U02AB22S0611	RAMESH BASAVARAJ ANGADI
13.	U02AB22S0616	VINOD NILAPPA LAMANI
14.	U02AB22S0629	SHIVASHANKAR S ASKI
15.	U02AB22S0694	AKASH
16.	U02AB21S0038	SHRAVANKUMAR N
17.	U02AB22S0333	SUDEEP RATHOD
18.		ARUN
19.		YALLAPPA

B.Sc. II SEMESTER BOTANICAL STUDY TOUR REPORT 2022-2023

Dr. K. Kotresha, Professor
Taxonomy and Floristic Lab.,
Department of UG, PG and Research in Botany,
Karnatak Science College, Dharwad – 580 001

As part of the syllabus of Botany course the study is mandatory for **B.Sc. II semester** with the following objectives and aims.

1. To know the type of Algae and Cyanobacteria.
2. To identify the unknown species.
3. To understand the lower groups and higher plant (Bryophytes, Pteridophytes and Gymnosperms) specimens.
4. To collect the required amount of plant materials for regular practical class
5. To study the aquatic and marine specimens and their adaptation

With the above objectives and aims, the Department of Botany, Karnatak Science College, Dharwad have conducted the botanical study tour for B.Sc. II Sem. 45 students were attended out of 80 students on 11th August 2023 to Halasi, Machigad, Jamboti and Kanakumbi. Prof. K. Kotresha (tour leader), Prof. K.P.Kolkar and Mr. M. I. Angadi (attender) were accompanying the tour.

11 August, 2023 at 7AM

We left Dharwad to Halasi; on the way the students are visited to Handhibadaganath to study the lower forms, and observe many species. This place is an evergreen forest and collect many lower forms.

Then the students are visited Ramathirta, it is 3 km from Halashi, is a Dry to Moist deciduous forest. They observed many Orchids, Loranthaceae members and Ophioglossum. Machigad is also having the similar species.

After this students were visited Malaprabha river bank and observed aquatic algae. After they visited Jamboti and Kanakumbi and observed moss, orchids and pothos.

Study tour outcome:

On site study of lower forms to know the habitat condition etc.

They learn and observe the nature, it is more important and easy to understand when compare to laboratory.



Paddy Field, Halasi



Ramathirtha, Halasi



Ramathirta Rocky Area (Top), Halasi



Ramathirta Rocky Area (Top), Halasi



Halashi Forest, Halasi



Machigad Forest, Halasi



KARNATAK UNIVERSITY, DHARWAD
Karnatak Science College, Dharwad

NOTE PAGE :

PAGE NO. :

FILE NO. : 786

DATE : 27/10/22

Botany Dept.
KSCD

Subject: Administrative and financial approval for conducting B.Sc. I semester Botany study tour of Department of Botany, Karnatak Science College, Dharwad for the year 2022-23.

SUBMITTED:

- As per the curriculum of Karnatak University Dharwad for B.Sc. I semester, Botany students have to carry out compulsory Botanical study tour to study the lower forms and phanerogams in their natural habitat and forest types during the academic year 2022-23.
- B.Sc. I semester students strength is around 88 for the year 2022-23. Probable visiting places are-
 - Handibadanganath, Halasi, Jamboti, Surla, Kanakumbi OR
 - Halasi, Handibadanganath, Machigad OR
 - Magod and Janakal guda
- The study tour will be conducting in the month of November/December 2022.
- The following staff members will be visiting the above places with B.Sc. I sem students total=88 B=50, G=38 admissions still going on) tour leader Dr. (Smt) D.M. Singh with accompanying staff Dr. K.Kotresha and Dr. K.P. Kolkar.
- The TA/DA and Sundry expenses of staff may be met out from the budget head No. 13502.

Hence an approval is sought in this regard.

Total amount provided under budget head (No.13502) Rs. 16,000/-

20% deduction Rs. 3,200/-

Amount spent so far Rs. NIL

Amount available after 20% deduction Rs. 12,800/-

- The tour will be conducted either Train or by hiring KSRTC BUS/Private bus. (if the places are not connected by train)
- Bills will be submitted for reimbursement after conducting the study tour. Therefore permission may be kindly accorded to conduct the said study tour.

For Orders please

Office Superintendent

Head of the Dept.

Principal

Registrar

21/11/2022

21.11.22

B.Sc. I Semester Study Tour for the year 2022-23

1.	U02AB22S0514	ABHINAV C HODLA
2.	U02AB22S0701	ABHISHEK S PATRI
3.	U02AB22S0687	AJEET ASHOK MASTI
4.	U02AB22S0529	AKASH A MUDAGAL
5.	U02AB22S0328	AKASH ANJANEYA TANDRAPADU
6.	U02AB22S0606	AKASH SHANKAR BHAIJANTRI
7.	U02AB22S0694	AKASHA MADHVALAPPA CHODDRI
8.	U02AB22S0113	AKSHATA MANJUNATH BHUVIVADDAR
9.	U02AB22S0275	AMRUTA
10.	U02AB22S0594	ANITA SHIVANANDA TALAVAR
11.	U02AB22S0174	ANKUSH
12.	U02AB22S0501	ANUSHA SURESH CHANDAPUR
13.	U02AB22S0581	ARUN AJIAPPA BAGHDAVAR
14.	U02AB22S0471	ARUN KUMAR GOUDAKNAVAR
15.	U02AB22S0319	AVINASH RATHOD
16.	U02AB22S0490	BHEEMARAY BASAVARAJ GOUNDI
17.	U02AB22S0214	CHAITRA MARUTI HIRAVENNAVAR
18.	U02AB22S0603	CHANDANA U
19.	U02AB22S0026	CHANDRIK S PATIL
20.	U02AB22S0175	CHANDRIKA GOVINDAPPA KALLALI
21.	U02AB22S0209	D MALLESH
22.	U02AB22S0425	DEEPA V KHATAVKAR
23.	U02AB22S0544	DISHA VINAYAK HEGDE
24.	U02AB22S0442	DURUGESH MUSAR
25.	U02AB22S0510	FAKEERAGOUDE KAKANAGOUDE YAKKAPPANAVAR
26.	U02AB22S0403	GEETA DEVALAPPA PUJAR
27.	U02AB22S0714	GOUTAMI HAKUMAGOUDE DODDAGOUDE
28.	U02AB22S0218	INCHAR HANASI
29.	U02AB22S0674	JYOTI M DODDAMANI
30.	U02AB22S0579	KESHAVA T
31.	U02AB22S0654	KIRAN MAHESH BHUSANURMATHI
32.	U02AB22S0287	LAKSHMI
33.	U02AB22S0528	LOHITH KUMAR E KORATAGERI
34.	U02AB22S0517	MAHALAXMI REVANSIDDAYYA HIREMATH
35.	U02AB22S0152	MANOJ MALAPPA NIMBAL
36.	U02AB22S0472	MURASIDD KURAGUND
37.	U02AB22S0096	NAGARAJ
38.	U02AB22S0163	NAGARAJ HANAGANDI
39.	U02AB22S0618	NAGARAJ HANMANTH BHAIJANTRI
40.	U02AB22S0025	NAVANEET
41.	U02AB22S0632	NAVYA
42.	U02AB22S0300	NINGAPPA
43.	U02AB22S0447	PALLAVI SHIDDALINGAPPA ELEHOLI
44.	U02AB22S0121	PARAMESHI B
45.	U02AB22S0318	POOJA YAMANAPPA CHINALE
46.	U02AB22S0131	PRAJWAL BHAIJANTRI
47.	U02AB22S0464	PRAJWAL ENAGI
48.	U02AB22S0058	PRAJWAL KHOT
49.	U02AB22S0449	PRAKASH SHIRSHAIH GUGHAL
50.	U02AB22S0244	PRAMOD
51.	U02AB22S0617	PRAMOD PATIL
52.	U02AB22S0715	PRAMODKUMAR H G
53.	U02AB22S0036	PRASAD V ANGADI
54.	U02AB22S0216	PRAVEENKUMAR KAMBLE
55.	U02AB22S0658	RAGHAVENDRA YALLAPPA GASTI
56.	U02AB22S0480	RAJESAB S NADAF
57.	U02AB22S0451	RAKESH
58.	U02AB22S0611	RAMESH BASAVARAJ ANGADI

Dr. M. Singh
HEAD

59.	U02AB22S0711	RAMESHA
60.	U02AB22S0561	RAMYA
61.	U02AB22S0204	RANJITHA P H
62.	U02AB22S0621	ROHANKUMAR
63.	U02AB22S0551	ROHIT KATAGERI
64.	U02AB22S0649	ROOPA
65.	U02AB22S0679	SACHIN VIJAY SARAPURI
66.	U02AB22S0712	SAIKRUPA V MALLANAGOUDAR
67.	U02AB22S0420	SAMPREET HUSENSAB HUBBALLI
68.	U02AB22S0226	SHILPA
69.	U02AB22S0629	SHIVASHANKAR S ASKI
70.	U02AB22S0671	SHREYA BELGAUM
71.	U02AB22S0444	SINDHU PARAMESHAPPA UJJANAGOUDRA
72.	U02AB22S0042	SNEHA ASHOK SADEKAR
73.	U02AB22S0512	SOMANAGOUDA HANAMANTGOUDA IRANAGOUDRA
74.	U02AB22S0696	SOUMYA
75.	U02AB22S0533	SPOORTI HUGAR
76.	U02AB22S0567	SUDEEP RAJANGAL
77.	U02AB22S0313	SUDHA M A
78.	U02AB22S0089	SUNIL
79.	U02AB22S0238	SUPRITA VITTAL MATARI
80.	U02AB22S0288	SYEDA RUQHAIYYA ANJUM
81.	U02AB22S0699	VAISHNAVI MALAGIMANI
82.	U02AB22S0423	VARSHA
83.	U02AB22S0710	VEDAVATHI S L
84.	U02AB22S0508	VICTORIYA M MALLADAD
85.	U02AB22S0159	VINAY RUDRAPPA ITAGI
86.	U02AB22S0616	VINOD NILAPPA LAMANI
87.	U02AB22S0713	VIRESH
88.	U02AB22S0628	YASHODHINI YALLAPPA BANNIKOPPA

Dev. m. Singh
HEAD

Department of Botany
Karnatak Sciences College, Dharwad

B.Sc First Semester Botanical Study Tour Report
2022-2023

Dr.(Smt.) Doris M. Singh

Associate Professor, Microbiology and Phycology.

Department of UG, PG and Research in Botany

Karnatak Science College Dharwad – 580001

The Botanical study tour of B.Sc first semester which is a compulsory study tour as per syllabus was carried out on 18-11-2022 to study the lower forms and phanerogams, keeping the following aims and objectives:

1. Enhancing the interest of the subject of the newly joined.
2. Students to involve themselves on understanding the subject.
3. Get to know the habitats of lower forms.
4. Which plants are freshwater, marine, terrestrial, epiphytes.

The tour group consist of three teachers and leader Dr.(Smt.) Doris M. Singh along with staff Dr.K.Kotresha, Dr. C.G.Patil and Dr.K.P.Kolkar and two attenders Mr. Kumbhar and Mr.Angadi who accompanied 88 students to Handibadangnath, Halasi, Jamboti and Surla.

At Handibadangnath students understood the importance of environmental conditions which favours the growth of Bryophytes. They collected Riccia, Anthoceros, m of Marchantiales. Pteridophytes such as Adiantum, Selaginella, Drynaria and Lycopodium were obtained. While Gymnosperms Gnetum male and female cones were collected.

At Halasi and Jamboti vegetation was studied and at Surla algae such as Diatoms, Spirogyra, Batracospermum were observed. Anthoceros was in abundance.

Outcome of the tour:

1. Students observed fresh specimen of Bryophytes, Pteridophytes and Gymnosperms.
2. Climatic factors play an important role in Growth of plants.
3. Lower forms- non vascular plants require only in high altitudes

B.Sc Fifth Semester Botanical Study Tour Report

2022-2023

Dr.(Smt.) Doris M. Singh

Associate Professor, Microbiology and Phycology.

Department of UG, PG and Research in Botany

Karnatak Science College Dharwad – 580001

The B.Sc fifth semester tour was undertaken as a part of the syllabus for the Botany course. The department undertakes tour keeping the following objectives and aims:

1. To understand and differentiate types of forest and vegetation.
2. To study more number of plants from other families other than those in the syllabus.
3. To identify plants in their natural habitats.
4. Special reference to Mangrove vegetation as it is studied for its anatomy and physiology.

Keeping in the mind above objectives and aims the department of Botany Karnatak Science College Dharwad, has conducted the Botanical study tour for B.Sc fifth semester. 76 students attended the tour out of 80 students and they were accompanied by Dr. (Smt.) Doris M. Singh the tour leader, Dr.K.Kotresha, Dr. C.G.Patil and Dr.K.P.Kolkar. Mr. Kumbhar and Mr.Angadi attenders attend the tour to collect the material for further detail studies during the laboratory hours.

The tour was undertaken on 05-02-2022 and 06-02-2022. On 05-06-2022 two buses were arranged and the buses departure at 6 am to Karwar. The students visited Karnatak University's Regional centre at Karwar and studied the important medicinal plants and their applications and also plants used as biofuels.

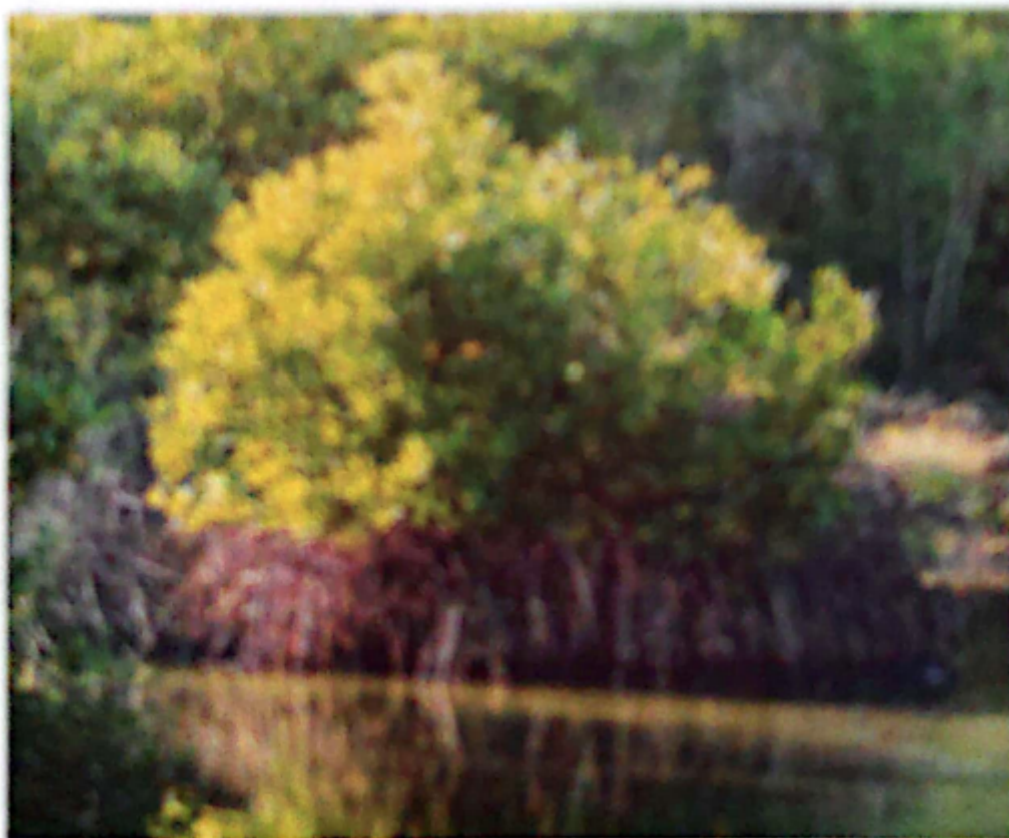
Evening students went to the beach to study about Marine life. On 06-02-2022 students visited Mangroove vegetation and learn the different plants which are able to grow in Saline soil *Sonneratia*, *Rhizospora*, *Avicennia*, *Acanthus ilicifolius*. Mangrove associates *Calophyllum*, *Endophyllum*, *Salvadora*, *Ipomoea pes-capre*.

Students collected pnematophores to study the adaptations of Mangroves. At 05:30pm we left Karwar towards Dharwad.

Outcome of study tour:

1. Students were exposed to Marine Vegetation.
2. Students also learned Habitat variation between Marine and Fresh water.









KARNATAK UNIVERSITY, DHARWAD
Karnatak Science College, Dharwad

NOTE PAGE :

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DATE :

Botany Dept.
KSCD

Subject: Administrative and financial approval for conducting B.Sc. II, IV and VI semester Botany study tour of Department of Botany, Karnatak Science College, Dharwad for the year Budget of 2023-24 budget head No. 13502

SUBMITTED:

1. As per the curriculum of Karnatak University Dharwad for B.Sc. II, IV and VI semester (CBCS), Botany students have to carry out compulsory Botanical study tour to study the plants in their natural habitat and forest types during the academic year 2022-23.
2. B.Sc. II semester students strength is around 80 (G=39, B=41) for the year 2022-23. Probable visiting places are-
i) Kalghatagi, Yallapur, Sirsi, Yana Forest
3. The following staff members will be visiting the above places with B.Sc. II sem students total=80 B=41, G=39): tour leader Dr. K.Kotresha with one or two accompanying staff.
4. B.Sc. IV semester students strength is around 92 (G=54, B=38) for the year 2022-23. Probable visiting places are-
i) Londa, Castle Rock OR
ii) Handibadanganath and surrounding place OR
iii) Ulavi, Kaiga, Karwar OR
iv) Magod and Janakal guda
5. The following staff members will be visiting the above places with B.Sc. IV sem students total=92 B=38, G=54): tour leader Dr. K.Kotresha with one or two accompanying staff.
6. B.Sc. VI semester (CBCS - SEC-II paper) students strength is around 11 (G=4, B=7) for the year 2022-23. Probable visiting places are
i) Haliyal, Yallapur, Sirsi, Yana Forest
7. The following staff members will be visiting the above places with B.Sc. VI sem students total=11 B=7, G=4): tour leader Dr. K.Kotresha .
8. The study tour for B.Sc. II, IV and VI Semester will be conducting in the month of June to August 2023.
9. The TA/DA and Sundry expenses of staff may be met out from the budget head No. 13502 from the budget of the year 2023-24.
Hence an approval is sought in this regard.
Total amount provided under budget head (No.13502) Rs. 16,000/-
20% deduction Rs. 3,200/-
Amount spent so far Rs. NIL
Amount available after 20% deduction Rs. 12,800/-
10. The tour will be conducted either Train or by hiring KSRTC BUS/Private Bus. (if the places are not connected by train)
11. Bills will be submitted for reimbursement after conducting the study tour. Therefore permission may be kindly accorded to conduct the said study tour.

For Orders please

Office Superintendent

for approval

[Signature]

[Signature] 13/6

IV Sem 2022-23

STUDENTS LIST OF B.Sc. IV SEM STUDY TOUR FOR THE YEAR 2022-23 (BOYS)

SL. NO.	REG. NO.	NAME OF THE STUDENT		
1.	U02AB21S0017	ABHIN VITTHAL GURAV	Agul	Agul
2.	U02AB21S0021	MOHAMMED ROUF	Ruf	Ruf
3.	U02AB21S0023	SUPREET SHANTARAMA GOUDA	Supreet	Supreet
4.	U02AB21S0039	MAHESHA	Ma	Ma
5.	U02AB21S0055	MANJUNATH	Manjunath	Manjunath
6.	U02AB21S0060	SIDDAPPA RATAGERI	Siddappa	Siddappa
7.	U02AB21S0096	FAKEERAPPA SAHADEV MANGRANI		
8.	U02AB21S0107	SIDDU HALAPPA KARENNAVAR	Siddu	Siddu
9.	U02AB21S0122	NAKIRAN DHARMANNA SOGALAD	Nakiran	Nakiran
10.	U02AB21S0125	CHIDAMBAR N KARAJOL	Chidambar	Chidambar
11.	U02AB21S0156	KUMAR MUKAPPA HARAVI	Kumar	Kumar
12.	U02AB21S0172	KIRAN BHAIJANTRI	Kiran	Kiran
13.	U02AB21S0225	RAHUL UPPAR	Rahul	Rahul
14.	U02AB21S0231	DARSHAN BASAPPA SHAPETI	Darshan	Darshan
15.	U02AB21S0262	MUTTURAJ MAHANINGAYYA HIREMATH	Mutturaj	Mutturaj
16.	U02AB21S0265	MARUTI MAHADEV SAPTASAGARE	Maruti	Maruti
17.	U02AB21S0284	SANTOSH SHIDDAPPA KATTIMANI	Santosh	Santosh
18.	U02AB21S0286	SHARAT HANUMANTA HIRALLI	Sharat	Sharat
19.	U02AB21S0317	KRISHNA RAMESH OTAGERI	Krishna	Krishna
20.	U02AB21S0358	SAIBANNA	Saibanna	Saibanna
21.	U02AB21S0360	MALLESH KUMAR RATHOD	Mallesha	Mallesha
22.	U02AB21S0371	MARUTI T RATHOD	Maruti	Maruti
23.	U02AB21S0389	SANJU SURESH KURANAGI	Sanju	Sanju
24.	U02AB21S0430	PANDURANGA	Panduranga	Panduranga
25.	U02AB21S0459	NAGARAJ R	Nagaraj	Nagaraj
26.	U02AB21S0468	IRAYYA PANCHAXARAYYA HIREMATH	Irappa	Irappa
27.	U02AB21S0495	RAJATKUMAR RAMESH MEDAR	Rajmedar	Rajmedar
28.	U02AB21S0496	FAKKIRESH KABAR	Fakkir	Fakkir
29.	U02AB21S0540	MANJUNATH	Manjunath	Manjunath
30.	U02AB21S0549	PRAJWAL C WADAWADAGI	Prajwal	Prajwal
31.	U02AB21S0575	MCHAMMED ASRAR MUKHTAR	Asrar	Asrar
32.	U02AB21S0633	G ABHISHEKASWAMY	Abhishek	Abhishek
33.	U02BA21S0044	SIDDANAGOUDA NAYAK	Siddan	Siddan
34.	U02EU21S0013	CHANDRAKANT		
35.	U02EU21S0016	HIPPARAGI SHIVAKUMAR RAMU	S.R. Hipparagi	S.R. Hipparagi
36.	U02EU21S0037	SHASHANK ASHOK DAMARADJI	Shashank	Shashank
37.	U02LA21S0010	SHRAVAN S PUJARI	Shravan	Shravan
38.	U02LA21S0014	SHIVSHAKTI S BHAGWAT		

Rs 3000
1600
4600
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STUDENTS LIST OF B.Sc. IV SEM STUDY TOUR FOR THE YEAR 2022-23 (GIRLS)

SL. NO.	REG. NO.	NAME OF THE STUDENT		
1.	U02AB21S0004	Ashwamegha Sindharan Ites		
2.	U02AB21S0009	SUPRITA GIRISH KAMATAR		
3.	U02AB21S0013	ANNAPURNA D CHIKKATUMBAL		
4.	U02AB21S0030	RAJANI H SHARANADAVAR		
5.	U02AB21S0051	AISHWARYA Y KELUR		
6.	U02AB21S0036	SUKANNYA K JAKKAPPANAVAR		
7.	U02AB21S0042	POOJA	S.K.J	S.K.J
8.	U02AB21S0043	LAXMI SHIVANAND BLUEP		
9.	U02AB21S0045	SUCHITHRA		
10.	U02AB21S0054	SPOORTHY P G		
11.	U02AB21S0061	VEENA METI		
12.	U02AB21S0081	PRIVANKA VIJAY ANKALGI		
13.	U02AB21S0082	POOJA ROHIDAS PAGESWADI		
14.	U02AB21S0084	POOJA YALI APPA CHONGALA		
15.	U02AB21S0093	PAVITRA DURGAPPA BARIJAN		
16.	U02AB21S0108	AISHWARYA HINDAN AND G. CHIDAMANI		
17.	U02AB21S0109	ANJALI NAGALIGA		
18.	U02AB21S0130	SHWETA MANOHAR BAGESWADI		
19.	U02AB21S0139	PUSHPA SANGAMECH H. VARAD		
20.	U02AB21S0147	SNEHA PYATI		
21.	U02AB21S0163	VAISHNAVI SATAPPA GANGADHAN		
22.	U02AB21S0195	TANUJA P MANTUR		
23.	U02AB21S0199	AISHWARYA G MADHVALAN		
24.	U02AB21S0207	MEGHNA B NYANAGUDORA		
25.	U02AB21S0257	RENUKA		
26.	U02AB21S0288	LATHA SHREE V		
27.	U02AB21S0319	JAYASHREE VEERABHADRAPPA TALAVAR		
28.	U02AB21S0322	SINDHU BASAVAR H HAVADI		
29.	U02AB21S0335	SRUSHTI UMESH MASALI		
30.	U02AB21S0336	SAHANA PATIL		
31.	U02AB21S0340	LAKSHMI DATTI		
32.	U02AB21S0343	SAVITRI SUBHASH DATTI		
33.	U02AB21S0348	SHRUTI PALLA SOMA KAKATTI		
34.	U02AB21S0365	TUZAINA K. BALANDOR		
35.	U02AB21S0374	RANITA ASHOK BEL DDI		

X 36.	U02AB21S0381	SINDHU SANNAPPA KASHIBANAVAR	—	absent
37.	U02AB21S0388	ISHWARI M BEVINAKATTI	<i>Is</i>	<i>Is</i>
38.	U02AB21S0396	KOMAL MAHENDRA GIRI	<i>Komal</i>	<i>Komal</i>
39.	U02AB21S0416	YOGITA G HIREMATH	<i>Yogita</i>	<i>Yogita</i>
40.	U02AB21S0445	SHILPA LAMANI	<i>Shilpa</i>	<i>Shilpa</i>
41.	U02AB21S0488	VISMAYA N	<i>V</i>	<i>V</i>
42.	U02AB21S0576	SUSHMITA JAGDISH BEVINMARAD	—	—
43.	U02AB21S0598	KAVERI S NEKAR	<i>Kaveri</i>	<i>Kaveri</i>
X 44.	U02AB21S0601	RANIAISHWARYA BASAVARAJ KOTUR	Paid	absent
45.	U02AB21S0608	CHANDANA MATHAD	<i>Chand</i>	<i>Chand</i>
X 46.	U02AI21S0076	VEENA V RATHOD	—	—
47.	U02EU21S0004	ASHWINI UDAPUDI	<i>Ashwin</i>	<i>Ashwin</i>
48.	U02EU21S0031	SAHANA KODIHALI	<i>Sahana</i>	<i>Sahana</i>
49.	U02EU21S0045	VANI SOMAPPA LAMANI	<i>Vani</i>	<i>Vani</i>
50.	U02EU21S0051	SAMEHRAMA ABRAI	<i>Sameh</i>	<i>Sameh</i>
51.	U02HS21S0104	POOJA S HAMMIGI	<i>Pooja</i>	<i>Pooja</i>
52.	U02LA21S0001	Aishwarya Dyamanna Basanakoppa	<i>Aishw</i>	<i>Aishw</i>
53.	U02LA21S0005	BHAGYASHREE RAMESH GUDAGUDI	<i>Bhagya</i>	<i>Bhagya</i>
X 54.	U02LB21S0006	KAVERI RAMESH SURYAVANSHI	—	—

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B.Sc. IV SEMESTER BOTANICAL STUDY TOUR REPORT 2022-2023

Dr. K. Kotresha, Professor
Taxonomy and Floristic Lab.,
Department of UG, PG and Research in Botany,
Karnatak Science College, Dharwad – 580 001

As part of the syllabus of Botany course the study is mandatory for **B.Sc. IV semester** with the following objectives and aims.

1. To know the type of forest/s and vegetation composition.
2. To identify and introduced the unknown plant species to students
3. To understand the lower and higher plant specimens
4. To collect the required amount of plant materials for practical class
5. To study the xeric, aquatic and marine specimens and their adaptation
6. To learn grafting technique/s.

With the above objectives and aims, the Department of Botany, Karnatak Science College, Dharwad have conducted the botanical study tour for B.Sc. IV Sem. 81 students were attended out of 92 students on 18th and 19th July 2023 to Ulavi, Kaiga and Karwar. Prof. K. Kotresha (tour leader), Prof. K.P.Kolkar and Ms. Tejeshwani K. teaching staff with Mr. Angadi and Mr. Praveen (attender) were accompanying the tour.

18 July, 2023:

We left Dharwad to Ulavi; on the way the students are visited to Antrolli lake to study the fresh water ecosystem, and observes many aquatic plants mainly *Nymphaea pubescence*, *Nymphoids spp.* Etc.

Antrolli Lake: Antrolli Kere is situated in Antrolli village right in front of the Muttalmari village. This is about 5.9 km North to Haliyal. The total area of this lake is 5 acre and has lush greenery surrounding. It is situated at DMS 15°20'31.5"N 74°45'51.9"E. As the lake records 550 m altitude above sea level. The water of this lake used for agricultural and fish culture. Lake seems to records some anthropogenic activities.

Then the students are visited Tergaon, the major Mango grafting centre, the entire village is involved in grafting the different varieties of Mangos, namely Keser, Appus etc. and other Horticultural plants. They adapted new grafting technique and achieved 100% of success. Some of the students are having the first hands training with the expert village trainer. Village panchaith chairman and other members are personally take care in training the grafting technique and address the students about the raw materials, cost and profit involved in it. The grafted plants are not only for Karnataka state and also they were sent to Maharastra, Tamil Nadu, Kerala, Andra Pradesh and Madya Pradesh.

After this students were visited Ulavi, main attractive place are Shri Channabasaveshwara temple, Hanging bridge & Akalagavi (Gomukh), Harallayana Chilume, observed different types of vegetation and halt at Ulavi.

19 July, 2023:

We left Ulavi to Karwar; on the way the students are visited, Anishi National Park, waterfalls (near Kaiga), than the Kaiga Dam. The main visit for Karwar is Mangrove vegetation, students were observed many mangrove plants namely; *Aegiceras corniculatum* (L.) Blanco, *Avicennia marina*, *Bruguiera gymnorhiza*, *Excoecaria agallocha* L, *Kandelia candel* (L.) Druce, *Rhizophora apiculata* Blume and *Rhizophora mucronata* Lamk. Whereas in evergreen forest species like *Calamus rotang* L., *Ensete superbum* (Roxb.) Cheesman, *Entada rheedii* Spreng. Finally the students will end with Rabindernath Tagore Sea Beach.

Study tour outcome:

On site study of plants to know the habitat condition and canopy structure etc.

They learn and observe the nature, it is more important and easy to understand when compare to laboratory.



The Major mango Grafting Tergaon,Haliyal



