1.3.3 NUMBER OF STUDENTS UNDERTAKING PROJECT WORK/FIELD / INTERNSHIPS

LAST ACADEMIC YEAR- 2023-24

BSC

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

(Autonomous)

Shivamogga

Estd 1940

(A College with Potential for Excellence)

DEPARTMENT OF ZOOLOGY

A PROJECT REPORT ON

OVARIAN CANCER

Submitted to department of Zoology Sahyadri Science college, Shivamogga for the practical fulfillment of the requirement for the degree of Bsc

SUBMITTED BY

MEGHANA C	**U06CS21S0689**
VARSHINI G	**U06CS21S0169**
MEGHANA G	**U06CS21S0877**
SWATHI B	**U06CS21S0779**
VARSHA M NAIK	**U06CS21S0782**

Under the Guidance of

TARA T

Lecturer Dep. Of Zoology

Sahyadri Science College

Shivamogga

ಮುಖ್ಯಸ್ಥರು
ಪ್ರಾಣಿಶಾಸ್ತ್ರ ವಿಭಾಗ
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
ಶಿವಮೊಗ್ಗ-577 203

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SHIMOGA, Karnataka State

2024

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLEEGE

Shivamogga

(A College with Potential for Excellence)

"Dog Behaviour and Rabies"

Project work submitted in partial fulfilment of VI semester

Submitted to department of Zoology, Sahyadri Science college, Shivamogga for the practical fulfilment of the requirement for BSc, degree.

Submitted by

B Y Bhavya Reg no: U06CS21S0073
Bhavana L Reg no: U06CS21S0034
Ranjitha R Reg no: U06CS21S0076
Usha G Y Reg no: U06CS21S0688
Vaishnavi B R Reg no: U06CS21S0062

VI Semester
Sahyadri Science College
Shivamogga-577203

Under the guidance of

Smt.Shantha. AR
Assistant professor in Zoology
Sahyadri Science College Shivamogga-577203

ಮುಖ್ಯಸ್ಥರು
ಪ್ರಾಣಿಶಾಸ್ತ್ರ ವಿಭಾಗ
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
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SAHYADRI SCIENCE COLLEGE

Shivamogaa

(A Constituent College of Kuvempu University)

DEPARTMENT OF ZOOLOGY

A PROJECT REPORT ON

A STUDY ON SERICULTURE AT KACHINAKATTE, SHIVAMOGGA

Submitted to department of zoology Sahyadri Science college, Shivamogga for the practical of the requirement for the degree of BSc.

SUBMITTED BY

KRUTHANI G T	: U06CS21S0424
SUBRAMANYA S	: U06CS21S0680
SAHANA K U	: U06CS21S0398
LAKSHMI N	: U06CS21S0003
MANASMITHA H H	: U06CS21S0718
A S LAVANYA	: U06CS21S0300

Under the Guidance of

Ms. MAHIMA S

Lecturer

Dep. Of Zoology

Sahyadri Science College

Shivamogga

ಮುಖ್ಯಸ್ಥರು
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ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
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DEPARTMENT OF ZOOLOGY

Sahyadri Science College, Shivamogga

A Project Report on

"APICULTURE: REARING OF HONEYBEE"

Submitted by

JYOTHIKA S H	U06CS21S0258
MONISHA H	U06CS21S0327
KRUTHIKA C	U06CS21S0904
MEGHANA G S	U06CS21S0915
SINCHANA S K	U06CS21S0328
PRAJNA VEERARAJA JAIN	U06CS21S0589

6th Semester 'H' Section

Sahyadri Science College, Shivamogga

SUBMITTED TO

DEPARTMENT OF ZOOLOGY

Sahyadri Science College,

Shivamogga

19/08/2024.

PROJECT GUIDE

PROF. JEEVAN E N

Assistant Professor

Department of Zoology

Sahyadri Science College,

Shivamogga

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2023-24

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KUVEMPU UNIVERSITY

Department of Zoology

Sahyadri Science College, Shivamogga

A Project Report on

Diversity of insects in and around campus

SUBMITED BY

1.Bi bi Sumaiya	**U06CS21S0646**
2.Fatima tuz zohra	**U06CS21S0643**
3.Pooja R	**U06CS21S0061**
4.Qurrath ul Ain	**U06CS21S0668**
5.Subiya kounain	**U06CS21S0645**

Under the guidance of

Mr.VEERBHADRA SWAMY M L 22/08/2024

Lecturer

Department of Zoology

Sahyadri Science College

Shivamogga

ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ
ಜಂತುಶಾಸ್ತ್ರ ವಿಭಾಗ
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
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Estd 1940

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SAHYADRI SCIENCE COLLEGE

SHIVAMOGGA-577203

DEPARTMENT OF ZOOLOGY

A PROJECT REPORT ON

"Poultry Farm Management"

Submitted in partial of requirement for the award of degree of Bachelor of science in Zoology in Sahyadri Science College during the academic year 2024.

Submitted by

Mr.Prajwal.H	U06CS21S0518
Mr.Praveena.M	U06CS21S0841
Mr.Ramesh	U06CS21S0516
Mr.Vinaykumar	U06CS21S0899
Mr.Dinesh.S	U06CS21S0762
Ms.Vinutha.T	U06CS21S0914
Ms.Deepa.D.G	U06CS21S0804

VI Semester-E Section

Sahyadri Science College Shivamogga-577203

ಮುಖ್ಯಸ್ಥರು
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ಶಿವಮೊಗ್ಗ-577 203

Under the guidance of

Veerabhadraswamy M L 29/08/2024

Asst. Professor

Department of Zoology Sahyadri Science College, Shivamogga

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SAHYADRI SCIENCE COLLEGE

SHIVAMOGGA-577203

Department Of Zoology

PROJECT REPORT ON

Study of Cow Breeds And Their Common Diseases In And Around Shivamogga District

Submitted to the department of Zoology, Sahyadri Science College, Shivamogga for the partial fulfillment of the requirement for the degree of B.Sc.

Submitted By:

TARUN N T	U06CS21S0833	
RAKESH B R	U06CS21S0509	Rakesh. B.R
MANJUNATH S H	U06CS21S0700	
ULLAS C N	U06CS21S0506	ULLAS.C.N.
SAGAR K S	U06CS21S0806	Sagar K S
KEERTHI T P	U06CS21S0805	Keerthi T.P

Under the Guidance Of:

Ms.Tara T

Lecturer

Sahyadri Science College, Shivamogga-577203.

2023-2024

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DEPARTMENT OF ZOOLOGY

PROJECT REPORT ON

"STUDY ON FLORA AND FAUNA OFSHETTIHALLI WILD LIFE SANCTUARY"

SUBMITTED BY;

KARTHIK A NAIK	U06CS21S0780
KARTHK V	U06CS21S0862
PAVAN D U	U06CS21S0757
PRAMODKUMAR T G	U06CS21S0831
T B PRUTHVI RAJ	U06CS21S0786

Under the guidance of;

Mr. Veerabhadra Swamy M L 29/08/2024

Lecturer

Department of zoology

Sahyadri science college

Shivamogga

SUBMITTED TO;

Department of Zoology

Sahyadri Science College

Shivamogga

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KUVEMPU UNIVERSITY

Department of Zoology

Sahyadri Science College, Shivamogga

A Project Report on

Study on Maternal and Child Health

SUBMITED BY

1.ARTHA J	**U06CS21S0808**
2.DARSHAN R	**U06CS21S0575**
3.NEELAMBHARADARAN M	**U06CS21S0919**
4.PRIYANKA K M	**U06CS21S0661**
5.SHASHANK A	**U06CS21S0795**
6.SHRUTHIBAI N	**U06CS21S0615**
7.SYED HABIBULLA	**U06CS21S0910**
8.VINAY N S	**U06CS21S0613**

Under the guidance of

Mrs Keerthi P
Research Scholar
Department of Zoology
Sahyadri Science College
Shivamogga

ಮುಖ್ಯಸ್ಥರು
ಪ್ರಾಣಿಶಾಸ್ತ್ರ ವಿಭಾಗ
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
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22/8/24

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DEPARTMENT OF ZOOLOGY

PROJECT REPORT ON

"BOVANS (WHITE LAYER) MANAGEMENT IN GAJANUR POULTRY FARM"

SUBMITTED BY;

ANUSHA P	**U06CS21S0580**
ANUSHREE K M	**U06CS21S0581**
AKSHATHA T	**U06CS21S0585**
DAMINI K R	**U06CS21S0095**
DEEKSHA M R	**U06CS21S0578**
MEGHANA T M	**U06CS21S0078**

VI SEMESTER I SECTION (CZ)

UNDER THE GUIDANCE OF;

DR.H M ASHASHREE

ASSOCIATE PROFESSOR AND RESEARCH GUIDE
DEPARTMENT OF ZOOLOGY
SAHYADRI SCIENCE COLLEGE
SHIVAMOGGA

SUBMITTED TO ;

DEPARTMENT OF ZOOLOGY
SAHYADRI SCIENCE COLLEGE
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DEPARTMENT OF ZOOLOGY

A PROJECT REPORT ON

"HANDIGODU DISEASE SYNDROME: A STUDY IN SOCIOLOGY OF HEALTH"

Submitted in partial fulfilment of requirement for the award of degree of bachelor of science in Zoology in Sahyadri Science College during the academic year 2023-2024.

Submitted by,

NISARGA K P.	**U06CS21S0760**
YASHASWINI M S	**U06CS21S0763**
DEEPIKA T T	**U06CS21S0775**
BINDU SHREE B S	**U06CS21S0788**
SPANDANA D	**U06CS21S0813**
SPOORTHI K S	**U06CS21S0823**

6th Semester 'E' Section(BZ)

Sahyadri Science College Shivamogga

Under the Guidance of

Prof. SHANTHA A R

Department of Zoology

Sahyadri Science College Shivamogga.

ಮುಖ್ಯಸ್ಥರು
ಪ್ರಾಣಿಶಾಸ್ತ್ರ ವಿಭಾಗ
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
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SAHYADRI SCIENCE COLLEGE

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SAHYADRI SCIENCE COLLEGE

SHIVAMOGGA -577203

DEPARTMENT OF ZOOLOGY

A PROJECT REPORT ON

"STUDIES ON EDIBLE FISHES IN FISH MARKET, GANDHI BAZAR, SHIVAMOGGA"

submitted in partial of requirement for the award of degree of Bachelor of science in Zoology in Sahyadri Science College during the academic year 2023-24.

Submitted by

NANDINI T U	**U06CS21S0224**
MEGHANA S R	**U06CS21S0858**
SRUSTI K T	**U06CS21S0531**
SHUBHA K P	**U06CS21S0047**
SAHANA BAI K S	**U06CS21S0637**
MATHIHALLI NAGAVENI	**U06CS21S0213**

VI Semester – E Section

Sahyadri Science College Shivamogga-577203

Under the guidance of

H A SAYESWARA

Assistant Professor

Department of Zoology

Sahyadri Science College

Shivamogga

ಪ್ರಾಣಿಶಾಸ್ತ್ರ ವಿಭಾಗ
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA

DEPARTMENT OF ZOOLOGY

PROJECT REPORT ON

"STATUS OF KAN SACRED FOREST OF SHIVAMOGGA "

SUBMITTED BY;

ABHISHEKA G	U06CS21S0820
ADITHYA K R	U06CS21S0812
C S PAVANKUMAR	U06CS21S0771
JEEVAN E	U06CS21S0801
SUDHARSHAN C G	U06CS21S0777
TARUN H K	U06CS21S0835

UNDER THE GUIDANCE OF;

DR.H M ASHASHREE

ASSOCIATE PROFESSOR AND RESEARCH GUIDE

DEPARTMENT OF ZOOLOGY

SAHYADRI SCIENCE COLLEGE

SHIVAMOGGA

SUBMITTED TO ;

DEPARTMENT OF ZOOLOGY

SAHYADRI SCIENCE COLLEGE

SHIVAMOGGA

ಮುಖ್ಯಸ್ಥರು
ಪ್ರಾಣಿಶಾಸ್ತ್ರ ವಿಭಾಗ
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
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SAHYADRI SCIENCE COLLEGE (NEP)
SHIVAMOGGA
DEPARTMENT OF ZOOLOGY

A PROJECT REPORT ON

"A STUDY ON DAIRY FARM MANAGEMENT IN SHIMUL,MACHENAHALLI,SHIMOGA"

Submitted to Department of Zoology Sahyadri science college, Shimoga for the Practical fulfillment of the Requirement for the Degree of Bsc

SUBMITTED BY

DEEPIKA P N	U06CS21S0842
PRIYANKA S	U06CS21S0633
AKSHATHA G	U06CS21S0607
BRUNDA M	U06CS21S0606
SHREYASHREE	U06CS21S0519
MANJUSHREE R	U06CS21S0521
LOHITH NAIK E L	U06CS21S0755
EKSHA PATEL B M	U06CS21S0323

19/8/2024

GUIDE

Mr.JEEVAN E N,M.phil
Lecturer Dept.of Zoology
Sahyadri Science College

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"MANAGEMENT OF INDIAN ELEPHANT IN SAKREBYLU ELEPHANT CAMP, SHIVAMOGGA"

Project Work Submitted in Partial Fulfilment of VI Semester to

Department of Zoology
Sahyadri Science College
Shivamogga-577203

Submitted by:

GANASHREE J	**Reg no: U06CS21S0413**
NISARGA S	**Reg no: U06CS21S0409**
RASHMITHA M	**Reg no: U06CS21S0050**
SHEELA R	**Reg no: U06CS21S0298**
SINDHU E.P	**Reg no: U06CS21S0640**
SRUSHTI O	**Reg no: U06CS21S0414**
THANUSHA D	**Reg no: U06CS21S0412**

VI Semester- I Section
Sahyadri Science College
Shivamogga-577203

Guided by

Prof.H.A.SAYESHWAR M.Sc. M.Phill
Dept. of Zoology
Sahyadri Science College
Shivamogga-577203

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SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA
(Constituent College of Kuvempu University)

A PROJECT REPORT ON

"MORPHOLOGICAL EXAMINATION OF THE PUGMARK OF DIFFERENT ANIMALS: A PROSPECTIVE STUDY"

Submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Science in Zoology Form Sahyadri Science College

Submitted by

MS. BHAVANA H S

Reg no: U06CS21S0063

Under the guidance of

Dr. K L NAIK
Associate professor
Department of Zoology
Sahyadri Science College
Shivamogga

2023-2024

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SAHYADRI SCIENCE COLLEGE

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Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

RAGHUNANDAN HEGDE

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP**submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri.B.S

Project Guide:

Capt.Mohanesha K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga–577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Checked 12/8/24

Chairman:

Capt.Mohanesha K M

Department of Electronics

Sahyadri Science College

Shivamogga–577203

Name of ExaminerSignature of Examiners

1. **1**

2. **2.**

Date:

Place: Sahyadri Science College,Shivamogga

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Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

UDAY DANDAGIHALLI

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S

Project Guide:

Capt. Mohanesh K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

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ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

12/8/2024

Chairman:

Capt. Mohanesh K M

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

Name of Examiner	**Signature of Examiner**
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

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Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

MANOJ P

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP**submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S

Project Guide:

Capt.Mohanesha K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

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ಪ್ರಾಚಾರ್ಯರ

ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು

(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)

ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ

Kmohan 12/8/24

Chairman:

Capt.Mohanesha K M

Department of Electronics

Sahyadri Science College

Shivamogga–577203

Name of ExaminerSignature of Examiners

7. 1

8. 2.

Date:

Place: Sahyadri Science College,Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Established 1949

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

Project Work Certificate

This is to certify that

PRAJWAL H L

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP**submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri. B.S.

Project Guide:

Capt.Mohanesha K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga–577203

ಕಾಲೇಜಿನ ಮುದ್ರೆ

ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು

(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)

ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

12/6/24

Chairman:

Capt.Mohanesha K M

Department of Electronics

Sahyadri Science College

Shivamogga–577203

Name of ExaminerSignature of Examiners

5. 1

6. 2.

Date:

Place: Sahyadri Science College,Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

CHETANAGOUDA S NERTI

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP**submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri. B.S

Project Guide:

Capt.Mohanesha K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga–577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

12/8/24

Chairman:

Capt.Mohanesha K M

Department of Electronics

Sahyadri Science College

Shivamogga–577203

Name of ExaminerSignature of Examiners

1

3.

2.

4.

Date:

Place: Sahyadri Science College,Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

DARSHAN N

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S

Project Guide:

Capt.Mohanesha K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga–577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

1/2/24

Chairman:

Capt.Mohanesha K M

Department of Electronics

Sahyadri Science College

Shivamogga–577203

Name of Examiner	**Signature of Examiners**
1.	1
2.	2.

Date:

Place: Sahyadri Science College,Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

SHIMOGA-577203

DEPARTMENT OF ELECTRONICS

Project Work Certificate

This is to certify that

Abhishek B R

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri.B.S

Project Guide:

Capt. Mohanesha K M
Mrs. Malashri B S
Department Of Electronics
Sahyadri Science College
Shivamogga – 577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

19/8/24

chairman:

Capt. Mohanesha K M
Department Of Electronics
Sahyadri Science College
Shivamoga- 577203

Name of Examiner	**Signature of Examiners**
1.	1.
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

DIVIN K D

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP**submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S

Project Guide:

Capt.Mohanesha K M

Mrs. Malashri B S

Department of Electronics
Sahyadri Science College
Shivamogga–577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

12/8/24

Chairman:

Capt.Mohanesha K M

Department of Electronics
Sahyadri Science College
Shivamogga–577203

Name of ExaminerSignature of Examiners

1. 1
2. 2.

Date:

Place: Sahyadri Science College,Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

JEEVAN G

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B S

Project Guide:

Capt.Mohanesha K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga–577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Chairman:

Capt.Mohanesha K M

Department of Electronics

Sahyadri Science College

Shivamogga–577203

Name of Examiner	**Signature of Examiners**
1.	1
2.	2.

Date:

Place: Sahyadri Science College,Shivamogga

KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE
Shimoga
(A College with Potential for Excellence)
Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

YASHWANTHA S NAIK

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S.

Project Guide:
Capt. Mohanesh K M
Mrs. Malashri B S
Department of Electronics
Sahyadri Science College
Shivamogga – 577203

ಪ್ರಭಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ

12/8/24

Chairman:
Capt. Mohanesh K M
Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Name of Examiner	**Signature of Examiner**
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

NANDITHA G.A

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri.B.S

Project Guide:

Capt. Mohanesh K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

ಪ್ರಾಂಶುಪಾಲರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)
ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಮಹಾವಿದ್ಯಾಲಯ
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

12/8/24

Chairman:

Capt. Mohanesh K M

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

Name of Examiner	**Signature of Examiner**
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

LAKSHMI P K

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S.

Project Guide:

Capt. Mohanesh K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸ್ನಾತಕೋತ್ತರ ಕೇಂದ್ರ
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ

12/8/24

Chairman:

Capt. Mohanesh K M

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

Name of Examiner	**Signature of Examiner**
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

VARSHITHA N

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B S

Project Guide:

Capt. Mohanesh K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

12/8/24

Chairman:

Capt. Mohanesh K M

Department of Electronics

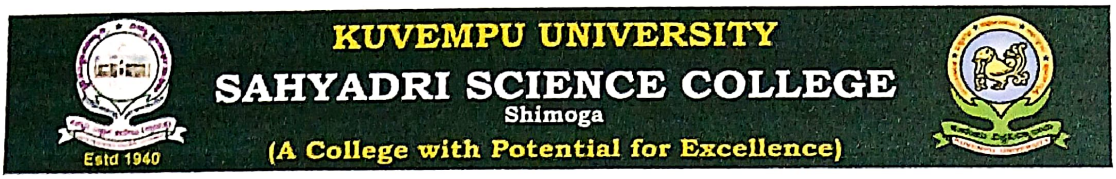
Sahyadri Science College

Shivamogga – 577203

Name of Examiner	Signature of Examiner
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga



Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

RAKESH KUMAR A.N

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri.B.S

Project Guide:

Capt. Mohanesh K M

Mrs. Malashri B.S

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Chairman:

Capt. Mohanesh K M

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

Name of Examiner	**Signature of Examiner**
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

ABHISHEK. N

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S

Project Guide:

Capt. Mohanesh K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ

12/8/24

Chairman:

Capt. Mohanesh K M

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

Name of Examiner	**Signature of Examiner**
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

ROSHAN. R

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S

Project Guide:

Capt. Mohanesh K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಸ್ವಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

12/8/24

Chairman:

Capt. Mohanesh K M

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

Name of Examiner	**Signature of Examiner**
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

SHIMOGA-577203

DEPARTMENT OF ELECTRONICS

Project Work Certificate

This is to certify that

Sanketh S C

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S

Project Guide:

Capt. Mohanesha K M
Mrs. Malashri B S
Department Of Electronics
Sahyadri Science College
Shivamogga – 577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

12/8/24

chairman:

Capt. Mohanesha K M
Department Of Electronics
Sahyadri Science College
Shivamoga- 577203

Name of Examiner	**Signature of Examiners**
1.	1.
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Electronics
Sahyadri Science College
Shivamogga – 577203

Project Work Certificate

This is to certify that

DARSHAN H C

Has satisfactorily completed the project work entitled as the **ROBOTICS WORKSHOP** submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the Kuvempu University during the academic year 2023-24.

Malashri B.S

Project Guide:

Capt. Mohanesh K M

Mrs. Malashri B S

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

ಪ್ರಭಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

12/8/24

Chairman:

Capt. Mohanesh K M

Department of Electronics

Sahyadri Science College

Shivamogga – 577203

Name of Examiner	**Signature of Examiner**
1.	1
2.	2.

Date:

Place: Sahyadri Science College, Shivamogga

SAHYADRI SCIENCE COLLEGESHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "NUMBER PLATE RECOGNITION USING MACHINE LEARNING" is a bonifade work carried out by PAVAN KR (U06CS21S0571)student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024

PAVAN KR U06CS21S0571

During the academic year 2023-24

Under the guidance of

Mentor

Mr. Shankar

22/08/24

HOD

Dr Vidyashankar MH

22/8/24

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Principal

Prof. Rajeshwari

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Name of Examiner

Signature of Examiner

Examiner1.....

Examiner2. .....

SAHYADRI SCIENCE COLLEGE SHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"DISEASE DETECTION OF PLANT LEAF USING IMAGE PROCESSING AND CNN WITH PREVENTIVES MEASURES"** is a bonifade work carried out by Deepak Kumar G (U06CS21S0557) student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024

DEEPAK KUMAR G U06CS21S0557

During the academic year 2023-24

Under the guidance of

Mentor	HOD	Principal
22/08/24	Chairman 22/8/24	
Mr. Shankar	**Dr Vidyashankar M H**	**Prof. Rajeshwari**
	Computer Science Department Sahyadri Science College Shivamogga-577 203.	ಪ್ರಾಚಾರ್ಯರು ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು) ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Name of Examiner Signature of Examiner

Examiner 1. .....

Examiner 2. .....

KUVEMPU UNIVERSITY

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Sahyadri Science College, Shivamogga

A Project Report on

"Study of Potable Water Treatment Process in Krishnarajendra Water Treatment Plant, Shivamogga."

Submitted By

Ranjitha.G.P	U06CS21S0482
Kavana.R	U06CS21S0541
Charvi.K.S.gowda.	U06CS21S0610
Sharth.G.E	U06CS21S060
Chethan Kumar. D.K	U06CS21S0789
Girish.B.H	U06CS21S0934

Project guide

Dr. Nagaraj Parisara M.sc, Ph.D.

Chairman
Department of Environmental science
Sahyadri Science College,
Shivamogga, 577203

SUBMITTED TO

Department of Environmental Science, Sahyadri Science College,

Shivamogga, 577203.

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

2023-24

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KUVEMPU UNIVERSITY

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Sahyadri Science College,
Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled **"Study of Potable Water Treatment Process in Krishnarajendra Water treatment plant, Shivamogga."** submitted by the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by team in the Department of Environmental science, Sahyadri Science College, Shivamogga, under the guidance of **Dr. Nagaraj Parisara** chairman, Department of Environmental science, Sahyadri Science College, Shivamogga during the year 2023-24.

We further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Submitted By

Ranjitha.G.P	U06CS21S0482
Kavana.R	U06CS21S0541
Charvi.K.S.gowda.	U06CS21S0610
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Project guide

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Chairman
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(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

Date: 19/08/2024
Place: Shivamogga

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KUVEMPU UNIVERSITY

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Sahyadri Science College,

Shivamogga

A Project Report on

"Study of Aquatic Plants and Aquatic Birds of Mattur Tank,Shivamogga Taluk"

Submitted By:

Madhura.S.	U06CS21S0488
Yashwanth. M.R	U06CS21S0750
K Purushottam Reddy	U06CS21S0821
Likhith S	U06CS21S0818
Pratham MS	U06CS21S0933
Dhanya Thejaswi G	U06CS21S0367
Bhuvan M R	U06CS21S0730

Project guide

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SUBMITTED TO

Department of Environmental scienceSahyadri Science College,
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2023-24

SAHYADRI SCIENCE COLLEGE
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CERTIFICATE

This is to certify that the dissertation entitled "Study of Aquatic Plants And Aquatic Birds of Mattur Tank, Shivamogga Taluk" submitted by the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by team in the Department of Environmental science, Sahyadri Science College, Shivamogga, under the guidance of **Dr. Nagaraj Parisara** chairman, Department of Environmental science, Sahyadri Science College, Shivamogga during the year 2023-24.

We further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Submitted By

Madhura.S.	U06CS21S0488
Yashwanth. M.R	U06CS21S0750
K Purushottam Reddy	U06CS21S0821
Likhith S	U06CS21S0818
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Project guide

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Date: 19/08/2024
Place: Shivamogga

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SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"SYMMETRY AND CONSERVATION LAWS IN PHYSICS"** has been carried out by **Harshini N S, Kavya J, Hamsaveni B H and Akhila J R** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrika Shekar. M.N
Head of the Department
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Guide: B.T

External Examiner:

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KUVEMPU UNIVERSITY

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CERTIFICATE

This is to certify that the Project work entitled **"LASER"** has been carried out by **Sheela Channagowda Patila** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrea Shekar. M.V.

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Lathas

Guide:

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2.

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA

(Constituent college of Kuvempu University)

CERTIFICATE

This is to certify that the project entitled **"Great Experiments in Physics"** has been carried out by the Students of sixth semester B.Sc. course under our supervision guidance.

This project is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic Year 2023-24. We further clarify that the work is original and has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.N

Head of the department

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Latha

Project Guide
Dr. Latha

External Examiner

1.

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KUVEMPU NIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"Electrical conductivity of solids"** has been carried out by **Ashwini Y P** the student of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrea Shekar.ossw.

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SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"GM Counter"** has been carried out by **Usha more** students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

chandrashekar a.m.

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Latha S

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CERTIFICATE

This is to certify that the Project work entitled **"Hall Effcet in Semiconductor"** has been carried out by APSANA H F students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. I further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar.M.N

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Certificate

This is to certify that the Project work entitled **"Different State of Matter** "has been carried out by **Aishwarya. K** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled **"Optical Fibre"** has been carried out by **Meghana H B** students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. I further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled "**EVOLUTION OF STARS**" has been carried out by the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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Head of the Department
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26/08/24

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ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Guide: (KUSHAL K.C)

External Examiner:

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KUVEMPU UNIVERSITY

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CERTIFICATE

This is to certify that the Project work entitled **"INTERRELATION BETWEEN ELECTRICITY AND MAGNETISM"** has been carried out by **CHANDANA M, SHWETHA K, PALLAVI A, SINCHANA H, AND SINCHANA T U** the students of VI semester B.Sc. course under my supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled "Nano-Technology And Its Applications" has been carried out by Shivu Y.R, Sachin, Rohith.V, Sadananda. A the student of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. B.N.
Head of the Department

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CERTIFICATE

This is to certify that the Project work entitled **"OPTO-ELECTRONIC DEVICES"** has been carried out by **Ashok Yadav I, Varun R Shivannanavar, V Krishnamurthy, Sushil Kumar** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. B. N

Head of the Department
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This is to certify that the Project work entitled **"RADIOISOTOPES AND ITS APPLICATIONS"** has been carried out by **SHREYA N N, SUNITHA H M, SINDHU T, SANGEETHA G, RAMYA A** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar.G.N

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CERTIFICATE

This is to certify that the Project work entitled **"Carbon Nanotubes"** has been carried out by **Priyanka G, Usha H M, Pooja S, Nandana S M** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar S N

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CERTIFICATE

This is to certify that the Project work entitled "**RENEWABLE ENERGY SOURCES**" has been carried out by the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.V

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CERTIFICATE

This is to certify that the Project work entitled **"MEDICAL PHYSICS"** has been carried out by **Sumathi G N, Shwetha S, Swathi G S, Kavana J M, Jayashree C M,** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled **"Nuclear Energy Past, Present and Future"** has been carried out by **VAISHNAVI K S, PRIYANKA R, RAMYA K C, SANDHYA S** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfilment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled **"Digital Electronic Circuit"** has been carried out by **Ankush A & Abhishek N**, the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekara M N.
Head of the Department

Dr. Chandrashekara M N

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CERTIFICATE

This is to certify that the project entitled **"Superconductivity"** has been carried out by the Students of sixth semester B.Sc. course under our supervision guidance.

This project is submitted in partial fulfilment for the award of the degree of Bachelor of Science during the academic Year 2023-24. We further clarify that the work is original and has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.N.

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Latha S

Project Guide
Examiner
Dr. Latha

External

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CERTIFICATE

This is to certify that the Project work entitled" **PARTICLE ACCELEATORS"**has been carried out by ANUSHA T.S.the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.N.

Head of the Department

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CERTIFICATE

This is to certify that the Project work entitled **"RADIATION AND ITS HAZARDS"** has been carried out by **Pramod Kumar G, Sanketh S C, Darshan K R, Darshan G Ajjampura**, the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrea Shekar. B.N. 26/08/24

Head of the Department
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PRINCIPAL
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Guide: Akshay Prabhu 20/08/24
AKSHAY PRABHU

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CERTIFICATE

This is to certify that the Project work entitled **"Study of light Sources and its types"** has been carried out by **Sowndarya N J** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.N

Head of the Department
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26/08/24

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Guide: Chandrashekar. M.N
Dr. M N Chandrashekar

External Examiner:

1.

2.

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"PARTICLE ACCELERATORS AND ITS APPLICATIONS"** has been carried out by **Deepak S, Pavan Kumar B V, Sharath Kumar B S, Praveen Naik H and Manohara B C** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.N.

Head of the Department
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Guide: B.T

External Examiner:

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SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA

CERTIFICATE

This is to certify that the Project work entitled "**CONTRIBUTION OF INDIAN SCIENTISTS TO THE WORLD SCIENCE**" has been carried out by the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.N

Head of the Department
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PRINCIPAL
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Guide:

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1.

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M-12

KUVEMPU UNIVERSITY

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CERTIFICATE

This is to certify that the Project work entitled"**Vector Space**"has been carried out by **Deekshitha T H,Divya S,Lakshmi B S,Lavanya B,Meghana S C** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Head of the Department
Department of Mathematics
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Dr.Narayana Rao Gaikwad M
Lecturer
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This is to certify that the Project work entitled **"Rings Theory"** has been carried out by **Sanjana J, Thrupthi K L, Manya K R, Roopa R, Nayana G M** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfilment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Head of the Department
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Anitha T

Guide:

Anitha T
Lecturer
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SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA

CERTIFICATE

This is to certify that the Project work entitled **"Statistics "** has been carried out by **Sachin P A, Amulya N U, Krtharthik R and Jayasurya S N** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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DEPARTMENT OF MATHEMATICS
SHIVAMOGGA - 577 203

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This is to certify that the project entitled ***"PERMUTATIONS AND COMBINATIONS"*** has been carried out by the students Ankitha. S, Anusha Bai. K, Ambika. M, Aishwarya. M.K and Chandana. A of sixth semester B.Sc. course under our supervision and guidance.

This project is submitted in partial fulfilment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work is original and has not been submitted to any other university wholly or in part for award of any other degrees.

Head of the Department
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Project Guide
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CERTIFICATE

This is to certify that the Project work entitled **"Group theory"** has been carried out by **Y S Chaitra, Murali Krishna B N, Nischitha Basavaraja Sannagoudra, Abhishek B R and Vishalakshi M J** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled **"Differentiation"** has been carried out by the students of **Geetha P, Chanadana B, Chinthana B S, Pavithra T, Soumya Ghanteppagoudar** VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Head of the Department
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Sudha G B

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CERTIFICATE

This is to certify that the Project work entitled **"Linear Transformation"** has been carried out by the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled "*Theory of Equations*" has been carried out by the students **Lingesh.M P, Harsha.S, Marulasiddeshwaraiah . C Y , Harisha.M P, Harshavardhana.S M** of VI semester B.Sc. course under our supervision of and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled **"Integral transforms and its applications"** has been carried out by **Nagashree M A,Nanditha M J, Neptune G R, Shashanka S E, Sushmitha H N.**the students of VI Semester B.Sc course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled **"COMPLEX NUMBERS AND ITS APPLICATIONS"** has been carried out by **Prakash Patil, Prashanth Naik,Vijay Kumar H T, Prajwal V, Rishana** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Head of the Department
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CERTIFICATE

This is to certify that the Project work entitled **"Set Theory"** has been carried out by **Sneha S, Sindhu C K, Siddamma R, Likitha K, Chanadana K B** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfilment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project work entitled "**Differential Calculus**" has been carried out by **Harshitha M G, Swathi S H, Veena T, Arpitha M R and prema C** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical evaluation and total anti oxidant capacity of six selected millets."** submitted by **Mr.Naveen Kumar N T. (Reg No: U06CS21S0622)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pallavi .M., Lecturer,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

I further declare that the results of this investigation have not been previously submitted for any degree or fellowship.

Guide 20/8/2024

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Date:19-08-2024
Place: Shivamogga

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical evaluation and total anti oxidant capacity of six selected millets."** submitted by **Mr.Gaganendra Sagar A. (Reg No: U06CS21S0742** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pallavi .M., Lecturer,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical evaluation and total anti oxidant capacity of six selected millets."** submitted by **Ms. Siri .M.S. (Reg No: U06CS21S0091)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pallavi .M., Lecturer,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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Date:19-08-2024
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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical evaluation and total anti oxidant capacity of six selected millets."** submitted by **Ms. Aishwarya T. (Reg No: U06CS21S0436)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pallavi .M., Lecturer,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

I further declare that the results of this investigation have not been previously submitted for any degree or fellowship.

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical evaluation and total anti oxidant capacity of six selected millets."** submitted by **Ms. Harshitha T K. (Reg No: U06CS21S0276)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pallavi .M., Lecturer,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical evaluation and total anti oxidant capacity of six selected millets."** submitted by **Ms. Sinchana K Rao. (Reg No: U06CS21S0247)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pallavi .M., Lecturer,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

I further declare that the results of this investigation have not been previously submitted for any degree or fellowship.

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical evaluation and total anti oxidant capacity of six selected millets."** submitted by **Mr.Komal Y V. (Reg No: U06CS21S0728)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pallavi .M., Lecturer,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

I further declare that the results of this investigation have not been previously submitted for any degree or fellowship.

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical evaluation and total anti oxidant capacity of six selected millets."** submitted by **Ms. Sahana Hegde. (Reg No: U06CS21S0093)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pallavi .M., Lecturer,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

I further declare that the results of this investigation have not been previously submitted for any degree or fellowship.

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Date:19-08-2024
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CERTIFICATE

This is to certify that the Project entitled " **Computational screening of some selected flavonoids as anti-helicobacter pylori drug"**submitted by **Miss. Apoorva KV (Reg No: U06CS21S0016)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

I further declare that the results of this investigation have not been previously submitted for any degree or fellowship.

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CERTIFICATE

This is to certify that the Project entitled " **Computational screening of some selected flavonoids as anti-helicobacter pylori drug"**submitted by **Miss. Navya MV (Reg No: U06CS21S0751**)for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

I further declare that the results of this investigation have not been previously submitted for any degree or fellowship.

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CERTIFICATE

This is to certify that the Project entitled " **Computational screening of some selected flavonoids as anti-helicobacter pylori drug"**submitted by **Miss. Meghana MB (Reg No: U06CS21S0587**)for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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Date: 19-08-2024

Place: Shivamogga

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CERTIFICATE

This is to certify that the Project entitled " **Computational screening of some selected flavonoids as anti-helicobacter pylori drug"**submitted by **Miss. Vidhruma S (Reg No: U06CS21S0243)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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Date: 19-08-2024

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CERTIFICATE

This is to certify that the Project entitled **" Computational screening of some selected flavonoids as anti-helicobacter pylori drug"** submitted by **Miss. Anusha AB (Reg No: U06CS21S0260)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled " **Computational screening of some selected flavonoids as anti-helicobacter pylori drug"**submitted by **Miss. Rakshitha SO (Reg No: U06CS21S0267**)for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **" Computational screening of some selected flavonoids as anti-helicobacter pylori drug"** submitted by **Mr. Manu BN (Reg No: U06CS21S0891)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **" Computational screening of some selected flavonoids as anti-helicobacter pylori drug"**submitted by **Mr. Keerthan BK (Reg No: U06CS21S0894)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"Purification of lectin from Allium sativum"** submitted by **Ms. Umra tabassum., (Reg No: U06CS21S0588)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"Phytochemical Analysis of Curuma *longa* L"**submitted by **Ms. Nandini K C (Reg No: U06CS21S0564)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of**Dr. Pradeepa K.,Assistant Professor,**Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"The Study On Antioxidant and Dissolution of Calcium Stones by Kalanchoe pinnata extracts "**submitted by **Ms.Deekshitha S J (Reg No: U06CS21S0312)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K.,Assistant Professor,**Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"Phytochemical Analysis of Curuma *longa* L"** submitted by **Ms.Pooja H M (Reg No: U06CS21S0187)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K.,Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"Phytochemical Analysis of Curuma *longa* L"**submitted by **Ms.Nayana P G (Reg No: U06CS21S0371)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K.,Assistant Professor,**Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"Phytochemical Analysis of Curuma *longa* L"**submitted by **Ms.Vandana B M (Reg No: U06CS21S0280)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of**Dr. Pradeepa K.,Assistant Professor,**Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"The Study On Preparation and Evaluvation of Microemulsion Conatining Mustard Oil"**submitted by **Ms.Vidyashree R (Reg No: U06CS21S0497)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K.,Assistant Professor,**Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **" Phytochemical Analysis of Curuma *longa* L"** submitted by **Mr. Devaraj GT (Reg No: U06CS21S0618)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K. Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"VEGF Gene expression analysis in cancer cells."** submitted by **Mr. Varun J S (Reg No: U06CS21S0100)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of , **Dr. Prabhakar B T Associate Professor** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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KUVEMPU UNIVERSITY

Department of Biotechnology

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CERTIFICATE

This is to certify that the Project entitled **"VEGF Gene expression analysis in cancer cells."** submitted by **Mr. Anujith R P (Reg No: U06CS21S0021)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B T Associate Professor** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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Date:19-08-2024
Place: Shivamogga

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CERTIFICATE

This is to certify that the Project entitled **"VEGF Gene expression analysis in cancer cells."** submitted by **Mr. Kalyan Kumar S (Reg No: U06CS21S0370)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B T Associate Professor** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Purification of lectin from Alliumsativum"**submitted by **Mr.Rithish Kumar .M., (Reg No: U06CS21S0597)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Purification of lectin from Alliumsativum"** submitted by **Mr. Chidananda .R., (Reg No: U06CS21S0797)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Purification of lectin from *Allium sativum*"** submitted by **Mr. Adithya K R (Reg No: U06CS21S0596)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B T Associate Professor** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"Purification of lectin from *Allium sativum*"** submitted by **Mr. Harish P K (Reg No: U06CS21S0582)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B T Associate Professor** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Purification of lectin from Alliumsativum"**submitted by **Mr. Mohammad Ibrahim Khalilulla., (Reg No: U06ID21S0082)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Purification of lectin from Alliumsativum"**submitted by **Ms.Swathi .N., (Reg No: U06CS21S0124)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Purification of lectin from Alliumsativum"**submitted by **Ms.Mahalakshmi .S., (Reg No: U06CS21S0128)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"Purification of lectin from Alliumsativum"** submitted by **Ms.Disha .S., (Reg No: U06CS21S0264)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Purification of lectin from Alliumsativum"**submitted by **Ms.Bhavya .J., (Reg No: U06CS21S0175)**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical Analysis of Curuma *longa* L"** submitted by **Mr. Varuna P M (Reg No: U06CS21S0340)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K., Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **"Phytochemical Analysis of Curuma *longa* L"** submitted by **Mr. Nagaraja Kanda (Reg No: U06CS21S0009)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K., Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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CERTIFICATE

This is to certify that the Project entitled **"Phytochemical Analysis of Curuma *longa* L"** submitted by **Mr. Harshith C S (Reg No: U06CS21S0619)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Pradeepa K., Assistant Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled **VEGF Gene expression analysis in cancer cells."** submitted by **Ms.Induja K G murthy., (Reg No: U06CS21S0778)** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of **Dr. Prabhakar B.T., Associate Professor,** Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled "VEGF GENE EXPRESSION ANALYSIS IN CANCER CELLS" submitted by Ms. Spoorthi R (Reg No.U06CS21S0599) for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of Dr. Prabhakar B T , Associate professor,Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled "VEGF GENE EXPRESSION ANALYSIS IN CANCER CELLS" submitted by Ms. Preethi N S (Reg No.U06CS21S0598) for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of Dr. Prabhakar B T , Associate professor,Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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This is to certify that the Project entitled "VEGF GENE EXPRESSION ANALYSIS IN CANCER CELLS" submitted by Ms. Padmashree R (Reg No.U06CS21S0059) for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project Work carried out under the guidance of Dr. Prabhakar B T , Associate professor,Department of Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Bachelor of Science, Kuvempu University during the year 2023-2024.

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SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Agricultural Crop Recommendations based on Productivity and Season" is a bonafide work carried out by POORNIMA R (U06CS21S0829)students of Department of Computer Science. Sahyadri Science College Shivamogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024.

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ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Examiners **Signature of Examiner**

1.....

1.....

Date:

Place: Sahyadri science college Shivamogga

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SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOROFSCIENCE

CERTIFICATE

This is the certifythat the project entitled "Drug Recommendation System based on Sentiment Analysis of Drug Reviews using Machine Learning" is a bonafide work carried out by DIVYA E B(U06CS21S0819)students of Department of Computer Science. Sahyadri Science College ShimoggaFOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024.

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Dr. VIDYASHANKAR M.H
Department of Computer s.
Sahyadri science college
Shivamogga- 577203

Examiners:

Signature of

1.....

2.....

Date:

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"SIGN LANGUAGE RECOGNITION USING MACHINE LEARNING ALGORITHM"** is a bonafide work carried out by **ASHWINI A (U06CS21S0377)** students of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

22/8/24

Internal Guide

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

22/8/24

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Examiners:

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Credit risk analysis with machine learning techniques in peer-to-peer lending market based on Machine Learning Techniques"** is a bonafide work carried out by SHREERAKSHA R (U06CS21S0308) students of Department of Computer Science. Sahyadri Science College Shivamogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

Internal Guide

Er. NAGARAJ B
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
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ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga

Dr. VIDYASHANKAR M.H
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Name of Examiners:

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2.....

Signature of Examiner

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Date of examination: _____
Examination Center: Sahyadri Science College, Shivamogga-577203

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Crop Yield Prediction Using Random Forest Algorithm"** is a bonafide work carried out by LAVANYA N U06CS21S0382 student of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024.

Internal Guide

S NARASIMHA MURTHY

Department of Computer Science

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Head of the Department

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Dr.VIDYASHANKAR.M.H

Department of Computer Science

Sahyadri science college

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Examiners:

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ಪ್ರಾಚಾರ್ಯರು
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ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"MACHINE LEARNING APPROACH TO ANOMALY DETECTION IN CLOUD INFRASTRUCTURE"** is a bonafide work carried out by INCHARA H G (U06CS21S0380) students of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

22/8/24

Internal Guide

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ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Head of the Department 22/8/24

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Examiners:

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Android Malware Detection Using Feature Selection and Machine Learning"** is a bonafide work carried out by NIMITHA B C U06CS21S0368 student of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024.

Internal Guide

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Department of Computer Science

Sahyadri science college

Shivamogga-577203

Examiners:

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SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"SENTIMENT ANALYSIS OF TEXT USING MACHINE LEARNING MODELS"** is a bonafide work carried out by UMME KULSUM U06CS21S0372 student of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024.

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S NARASIMHA MURTHY

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Head of the Department

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Dr.VIDYASHANKAR.M.H

Department of Computer Science

Sahyadri science college

Shivamogga-577203

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ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Examiners:

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SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"MACHINE VISION APPLICATIONS TO LOCATE FRUITS DETECT DEFECTS AND REMOVE NOISE"** is a bonafide work carried out by AMRUTHA K G (U06CS21S0512) students of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

22/8/24

Internal Guide

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ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

22/8/24

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Examiners:

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SAHYADRI SCIENCE COLLEGE SHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"DISEASE DETECTION OF PLANT LEAF USING IMAGE PROCESSING AND CNN WITH PREVENTIVES MEASURES"** is a bonifade work carried out by Deepak Kumar G (U06CS21S0557) student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024

DEEPAK KUMAR G U06CS21S0557

During the academic year 2023-24

Under the guidance of

Mentor	HOD	Principal
22/08/24	22/8/24	
Mr. Shankar	Dr Vidyashankar M H	Prof. Rajeshwari
	Chairman Computer Science Department Sahyadri Science College Shivamogga-577 203.	ಪ್ರಾಚಾರ್ಯರು ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು) ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Name of Examiner Signature of Examiner

Examiner 1. .....

Examiner 2. .....

SAHYADRI SCIENCE COLLEGE SHIVAMOGG-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"CLASSIFICATIONS OF FEATURES FOR DETECTING PHISHING WEBSITES BASED ON MACHINE LEARNING"** is a bonifade work carried out by Avinash R S (U06CS21S0556) student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024

AVINASH R S **U06CS21S0556**

During the academic year 2023-24

Under the guidance of

Mentor	HOD	Principal
Mr Arun Kumar N.B	Dr Vidyashankar M H	Prof. Rajeshwari

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

ಪ್ರಾಚಾರ್ಯರು
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(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Name of Examiner

Signature of Examiner

Examiner 1. .....

Examiner 2. .....

SAHYADRI SCIENCE COLLEGE SHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Prediction and data mining of burned areas of forest fires: Optimized data matching and mining algorithm provides valuable" insightonifade work carried out by ALFHAN (U06CS21S0920) student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024

ALFHAN **U06CS21S0920**

During the academic year 2023-24 Under the guidance of

Mentor	**HOD**	**Principal**
Mr. Annappa S S	**Dr Vidyashankar MH**	**Prof. Rajeshwari**
26/08/24	26/8/24	26/08/24

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203

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ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Name of Examiner Signature of Examiner

Examiner1.....

Examiner2. .....

SAHYADRI SCIENCE COLLEGESHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "**DRIVER BEHAVIOURS RECOGNIZER BASED ON LIGHT-WEIGHT CONVOLUTIONAL NEURAL NETWORK ARCHITECTURE AND ATTENTION MECHANISM**" is a bonifade work carried out by ABHISHEK B (U06CS21S0221)student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024

ABHISHEK B U06CS21S0221

During the academic year 2023-24

Under the guidance of

26/08/24

Mentor

Mr. Shankar

26/8/24

HOD

by **Dr Vidyashankar M H**

Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

26/08/24

Principal

Prof. Rajeshwari

ಪ್ರಾಂಶುಪಾಲರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Name of Examiner

Signature of Examiner

Examiner1.....

Examiner2. .....

SAHYADRI SCIENCE COLLEGE SHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "**OBJECT DETECTION AND COUNTING USING UNSUPERVISED METHOD**" is a bonifade work carried out by MOHAMMED RIYAZ UR RAHMAN (U06CS21S0921) student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024

MOHAMMED RIYAZ UR RAHMAN U06CS21S0921

During the academic year 2023-24 Under the guidance of

Mentor	**HOD**	**Principal**
Mr. Annappa S S	**Dr Vidyashankar MH**	**Prof. Rajeshwari**
26/08/24	Chairman Computer Science Department Sahyadri Science College Shivamogga-577 203.	26/08/24 ಪ್ರಾಚಾರ್ಯರು ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು) ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Name of Examiner Signature of Examiner

Examiner1.....

Examiner2. .....

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"CREDIT RISK ANALYSIS WITH MACHINE LEARNING TECHNIQUES IN PEER-TO-PEEER LENDING MARKET BASED ON MACHINE LEARNING "**is a bonafide work carried out by NAYANA B L(U06CS21S0305) students of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

Internal Guide

Ms. ASHA
Department of computer science
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External guide

26/8/24

Mr. VIDYASHANKAR M.H
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Sahaydri science college.
Shivamogga-577203

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Examiners:

1.....

2.....

Date of examination:.....
Examination Center: Sahyadri Scince Collge Shivamogga-577203

SAHYADRI SCIENCE COLLEGE SHIVAMOGG-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "**A ROAD ACCIDENT PREDICTION MODEL USING DATA MINING TECHNIQUES**" is a bonifade work carried out by SATHVIK B S (U06CS21S0687)student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academiv year2023-2024

SATHVIK B S U06CS21S0687

During the academic year 2023-24 Under the guidance of

Mentor	**HOD**	**Principal**
M.r Arun Kumar N.B	**Dr Vidyashankar M H**	**Prof. Rajeshwari**

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

ಪ್ರಾಚಾರ್ಯರು
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ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Name of Examiner Signature of Examiner

Examiner 1. ……..

Examiner 2. ……..

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Classification of Features for detecting Phishing Web Sites based on Machine Learning Techniques"** is a bonafide work carried out **by VATHSALYA T D (U06CS21S0307)** student of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

23/08/24

Internal Guide

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Head of the Department

Chairman
Computer Science Department
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Shivamogga-577 203.

Examiners:

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26/08/24

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
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ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

SAHYADRI SCIENCE COLLEGE SHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "**STOCK PRICE PREDICTION USING MACHINE LEARNING**" is a bonifade work carried out by Keerthi Raj Salunke (U06CS21S0583) student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024

KEERTHI RAJ SALUNKE U06CS21S0583

During the academic year 2023-24

Under the guidance of

Mentor

23/08/24

Mr. Shankar

HOD

23/8/24

Dr Vidyashankar M H

Chairman
Computer Science Department
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Principal

Prof. Rajeshwari
ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
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ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Name of Examiner

Signature of Examiner

Examiner 1. .....

Examiner 2. .....

SAHYADRI SCIENCE COLLEGESHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "**NUMBER PLATE RECOGNITION USING MACHINE LEARNING**" is a bonifade work carried out by PAVAN KR (U06CS21S0571)student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024

PAVAN KR U06CS21S0571

During the academic year 2023-24

Under the guidance of

Mentor

Mr. Shankar

22/08/24

HOD

Dr Vidyashankar MH 22/8/24

Chairman
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Principal

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
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ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Name of Examiner

Signature of Examiner

Examiner1.....

Examiner2. .....

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Detecting Spam Blogs: A Machine Learning Approach" is a bonafide work carried out by **MEGAHANA C R (U06CS21S0302)** students of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

22/8/24

Internal Guide

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(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Examiners:

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2.....

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the internship entitled "Effective Heart Disease Prediction Using Hybrid Machine Learning Techniques" is a bonafide work carried out by SUSHMITHA K S (U06CS21S0873) students of Department of Computer Science. Sahyadri Science College, Shivamogga FOR, in a particular fulfillment for the award of the degree of **BACHELOR OF SCIENCE** by the **UNIVERSITY OF KUVEMPU** during the academic 2023-2024.

22/8/24

Internal Guide

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ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

22/8/24

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Examiners:

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BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Stock Market Prediction Using Machine Learning Algorithms" is a bonafide work carried out by Devika V (U06CS21S0504) students of Department of Computer Science. Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

Project Guide:

Mr. NAGARAJ
Department of computer science
Sahyadri science college
Shimogga-577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Head of the Department

Chairman
Computer Science Department
Dr. VIDYASHANKAR M.H
Sahyadri Science College
Shimogga-577 203
Department of computer science
Sahyadri science college
Shimogga-577203

Name of Examiners:

1.....

2.....

Signature of Examiner:

1.....

2.....

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Classification of Features for detecting Phishing Web Sites based on Machine Learning Techniques"** is a bonafide work carried out by RACHANA S G (U06CS21S0376) student of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year2023-2024.

20/8/24

Head of the Department
Chairman
Computer Science Department
Sahyadri Science College
Dr. VIDYASHANKAR.M.H
Shivamogga-577203

Internal Guide

20/8/2024

Er. NAGARAJ .B

B.E (CS&E) M.TECH(CS&E)

Department of Computer Science

Sahyadri science college

Shivamogga-577203

Department of computer Science

Sahyadri Science College,

Shivamogga-577203

Examiners:

1.....

2.....

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Classification of Features for detectingPhishing Web Sites based on Machine Learning Techniques"** is a bonafide work carried out by SUCHITHRA K S (U06CS21S0872) students of Department of Computer Science. Sahyadri Science College Shimogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

20/08/2024

Internal Guide

12/8/24

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Examiners:

1.....

2.....

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIVAMOGGA-577203

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Emotion Recognition by Textual Tweets Classification Using Voting Classifier" is a bonafide work carried out by MEGHANA J H (U06CS21S0051) students of Department of Computer Science. Sahyadri Science College Shivamogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

Internal Guide

Er NAGARAJ B
BE(CS&E) MTECH(CS&E)
Lecturer,Computer Science Department
Sahyadri Science College
Shivamogga-577203

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Dr.VIDYASHANKAR M.H
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Name of Examiners:

1_____

2_____

Signature of Examiners

_____

_____

Date of examination : .....
Examination Center : Sahyadri Science College Shivamogga-577203

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIVAMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Predictive Analysis for Big Mart Sales Using Machine Learning Algorithms"** is a bonafide work carried out by SINCHANA H G (U06CS) students of Department of Computer Science. Sahyadri Science College Shivamogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the KUVEMPU UNIVERSITY during the academic year 2023-2024.

Internal Guide

22/08/2024

Mr.Er.Nagaraj B
BE[CS and E],MTech[CS and E]
Department of Computer Science
Sahyadri Science College,Shivamogga

Head of the Department 22/8/24

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.
Dr. Vidyashankar M H
Department of Computer Science
Sahyadri Science College,Shivamogga

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Examiners: **Signature of Examinar**

1.....

2.....

Date Of Examination:.....

Examination center: Sahyadri Science College,Shivamogga-577203

Sahyadri Science College (Autonomous)

Department of Computer Science

Kuvempu University Shivamogga

BACHELOR OF SCIENCE

CERTIFICATE

This is to certify that the project entitled **"Tomato Leaf Disease Detection Using Machine Learning"** is a Bonafide work carried out by Lavanya T Y (U06CS21S0195) student of the Department of Computer Science. Sahyadri Science College Shivamogga. For, in particular fulfillment for the award of the Undergraduate degree in BACHELOR OF SCIENCE (B.SC) by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

Internal Guide

Mr. Narashimamurthy
Project Guide
Department of Computer Science
Sahyadri Science College Shivamogga

23/8/24

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga

Dr. Vidyashankar M.H.
Head of Department
Computer Science
Sahyadri Science College Shivamogga

Examiners:

1. .....

2. .....

Signature of Examiner

1.....

2. .....

DATE OF EXAMINATION

EXAMINATION CENTER:Sahyadri science college

26/08/24

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

KUVEPMU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Real Time Video Based Heart and Respiration Rate Monitoring" is a bonafide work carried out by DHANYASHREE S D (U06CS21S0435) students of Department of Computer Science. Sahyadri Science College Shivamogga. FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

26/08

Internal Guide

Mr.ANNAPPA S S
Lecturer
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

Head of Department 26/8/24

Dr. VIDYA SHANKAR M.H
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

26/08/24

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Examiners:

1.....

2.....

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is to certify that the project entitled **"A Machine Learning Approach to Detecting Spam Blogs"** has been carried out by the **HARSHA B R (U06CS21S0432)** Student of Department of Computer Science, Sahyadri Science College Shivamogga. FOR, in a particular fulfillment for the award of the degree of **BACHELOR OF SCIENCE** by the **KUVEMPU UNIVERSITY** during the academic Year 2023-24.

Sd/- 26/08/24

Internal guide

Mr. Shankar N
Lecturer
Department of Computer Science
Sahyadri Science College
Shivamogga

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Head of the Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

DR. VIDHYASHANKAR M.H
Department of Computer Science
Sahyadri Science College
Shivamogga - 577203

External Examiner

1._____

2._____

SAHYADRI SCIENCE COLLEGE SHIVAMOGG-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"STRESS DETECTION WITH MACHINE LEARNING USING MULTIMODAL PHYSIOLOGICAL DATA"** is a bonifade work carried out by SATHVIK B S (U06CS21S0687)student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academiv year2023-2024

DILIP KUMAR P R U06CS21S0692

During the academic year 2023-24 Under the guidance of

Mentor	**HOD**	**Principal**
26/08	26/8/24	26/08/24
M.r ANNAPPA S S	**Dr Vidyashankar M H**	**Prof. Rajeshwari**
	Chairman Computer Science Department Sahyadri Science College Shivamogga-577 203.	

Name of Examiner Signature of Examiner

Examiner 1. .....

Examiner 2. .....

KUVEPMU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Real-Time Passenger Train Delay Prediction Using Machine Learning: A Case Study with Amtrak Passenger Train Routes"** is a bonafide work carried out by **RAKSHITHA M V (U06CS21S0505)** students of Department of Computer Science. Sahyadri Science College Shivamogga. FOR, in a particular fulfillment for the award of the degree of **BACHELOR OF SCIENCE** by the **UNIVERSITY OF KUVEMPU** during the academic year **2023-2024**.

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Internal guide

Er. NAGARAJ B
BE(CS&E) MTECH(CS&E)
Computer Science Department
Sahyadri Science College,
Shivamogga-577203.

Head of Department

Dr.VIDYASHANKAR M.H
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Examiners:

1.....

2.....

SAHYADRI SCIENCE COLLEGE SHIVAMOGGA-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled ""BIT COIN PRICE PREDICITION USING MACHINE LEARNING ALGORITHMS" is a bonifade work carried out by MAHESH N (U06CS21S0684) student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024

MAHESH N U06CS21S0684

During the academic year 2023-24 Under the guidance of

Mentor	HOD	Principal
Asha's 26/8/24	Chairman 26/8/24 Computer Science Department Sahyadri Science College Shivamogga-577 203.	26/08/24 ಪ್ರಭಾರಿ ಪ್ರಾಚಾರ್ಯರು ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು (ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು) ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.
Mrs.ASHA	**Dr Vidyashankar M H** Department of Computer Science	**Prof. Rajeshwari**

Name of Examiner — Signature of Examiner

Examiner 1. .....

Examiner 2. .....

SAHYADRI SCIENCE COLLEGE SHIVAMOGG-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "**DETECTION OF SOCIAL NETWORK SPAM BASED ON IMPROVED EXTREME LEARNING MACHINE**" is a bonifade work carried out by ANKITHA N (U06CS21S0194)student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academiv year2023-2024

ANKITHA N U06CS21S0194

During the academic year 2023-24 Under the guidance of

Mentor **HOD** **Principal**

M.r Arun Kumar N.B **Dr Vidyashankar M H** **Prof. Rajeshwari**

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

ಪ್ರಾಂಶುಪಾಲರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಪದವಿ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Name of Examiner

Signature of Examiner

Examiner 1. .....

Examiner 2. .....

KUVEPMU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Facial Expression Recognition Using LBPH" is a bonafide work carried out by SPOORTHI. K (U06CS21S0530) students of Department of Computer Science. Sahyadri Science College Shivamogga. FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

26/08

Internal Guide

Mr.ANNAPPA S S
Lecturer
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

26/08/24

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

26/8/24

Head of Department

Dr. VIDYA SHANKAR M.H
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Examiners:

1.....

2.....

SAHYADRI SCIENCE COLLEGE SHIVAMOGGA-577203

Bachelor of Science

CERTIFICATE

This is to certify that the Internship work entitled **"Loan Prediction System Using Machine Learning"** Submitted in partial fulfilment of the requirement for the award of the degree **Bachelor of Science** of **Kuvempu University, Shivamogga, Karnataka** Is a result of the bonafide work carried out **By** **Neelambika B C** **U06CS21S0199** *During the academic year 2023-2024 Under the guidance of*

26/08/24

Internal Guide:

Mr. ANNAPPA S S
LECTURER,
DEPARTMENT OF COMPUTER SCIENCE
SAHYADRI SCIENCE COLLEGE SHIMOGA

26/8/24

Head of the Department:

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203

CHAIRMAN (HOD),
DEPARTMENT OF COMPUTER SCIENCE
SAHYADRI SCIENCE COLLEGE SHIMOGA

Name of the Examiner

Signature of Examiner

Examiner 1:

Examiner 2:

26/08/24

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

KUVEPMU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Speech Emotion Recognition Using MLP" is a bonafide work carried out by BHOOMIKA C (U06CS21S0559) students of Department of Computer Science. Sahyadri Science College Shivamogga. FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

26/08/24

Internal Guide

Mr.ANNAPPA S S
Lecturer
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

26/8/24

Head of Department

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Dr. VIDYA SHANKAR M.H
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

Examiners:

1.....

2.....

KUVEPMU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "Features Selection And Analysis In Air Quality" is a bonafide work carried out by PRIYANKA. P (U06CS21S0438) students of Department of Computer Science. Sahyadri Science College Shivamogga. FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

28/08

28/8/24

Internal Guide

Mr.ANNAPPA S S
Lecturer
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Head of Department

Chairman
Department of Computer Science
Sahyadri Science College
Shivamogga-577 203.

Dr.VIDYA SHANKAR M.H
Department of Computer Science
Sahyadri Science College,
Shivamogga-577203.

Examiners:

1.....

2.....

PraLoTech Solutions LLP

#1, Silicon Plaza, Near T. C. Palya Signal, K. R. Puram, Bengaluru -560 049

Registered Under Ministry of Corporate Affairs

The Corporate Identity Number: AAN8688

Approved from AICTE

CERTIFICATE OF INTERNSHIP

We the signatory do hereby proudly present this certificate of Internship for outstanding honourable of **"CHANDANA C M"** (Reg No: **U06CS21S0544**), **Sahyadri Science College, Shimoga**, for her successful completion of **"MACHINE LEARNING"** Internship for Project Titled **"Social Distancing Detection with Deep Learning Model"** at **"PraLoTech Solutions LLP"** from **June 2024 to July 2024 (Total 40 hrs).**

We found **"CHANDANA C M"** is Effective in achieving tasks assigned to her, we found her efficient and her character and conduct were good.

We wish her for bright future.

Thanks and Regards,

For PraLoTech Solutions LLP

Director

Lohith C

Project Manager & Director

PraLoTech Solutions

SAHYADRI SCIENCE COLLEGE SHIVAMOGG-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled is **"CRIME TYPE AND OCCURRENCE PREDICTION USING MACHINE LEARNING ALGORITHM"** a bonifade work carried out by GOPI N(U06CS21S0903)student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academiv year2023-2024

GOPI N U06CS21S0903

During the academic year 2023-24 Under the guidance of

Mentor	HOD	Principal
M.r Arun Kumar N.B	Dr Vidyashankar M H	Prof. Rajeshwari

Chairman 26/8/24
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ

Name of Examiner Signature of Examiner

Examiner 1. .....

Examiner 2. .....

PraLoTech PraLoTech Solutions LLP

#1, Silicon Plaza, Near T. C. Palya Signal, K. R. Puram, Bengaluru -560 049

Registered Under Ministry of Corporate Affairs

The Corporate Identity Number: AAN8688

Approved from AICTE

CERTIFICATE OF INTERNSHIP

We the signatory do hereby proudly present this certificate of Internship for outstanding honourable of **"DIMPAL C"** (Reg No: **U06CS21S0306**), **Sahyadri Science College, Shimoga**, for her successful completion of **"MACHINE LEARNING"** Internship for Project Titled **"Accurate Cyber bullying Detection and Prevention on Social Media"** at **"PraLoTech Solutions LLP"** from **June 2024 to July 2024 (Total 40 hrs).**

We found **"DIMPAL C"** is Effective in achieving tasks assigned to her, we found her efficient and her character and conduct were good.

We wish her for bright future.

Thanks and Regards,

For PraLoTech Solutions LLP

Director

Lohith C

Project Manager & Director

PraLoTech Solutions

PraLoTech PraLoTech Solutions LLP

#1, Silicon Plaza, Near T. C. Palya Signal, K. R. Puram, Bengaluru -560 049

Registered Under Ministry of Corporate Affairs

The Corporate Identity Number: AAN8688

Approved from AICTE

CERTIFICATE OF INTERNSHIP

We the signatory do hereby proudly present this certificate of Internship for outstanding honourable of **"RAGHAVENDRA MOUNESHAPPA DODMANI"** (Reg No: **U06CS21S0785**), **Sahyadri Science College, Shimoga**, for his successful completion of **"MACHINE LEARNING"** Internship for Project Titled **"Machine Learning Based Heart Disease Prediction System"** at **"PraLoTech Solutions LLP"** from **June 2024 to July 2024 (Total 40 hrs).**

We found **"RAGHAVENDRA MOUNESHAPPA DODMANI"** is Effective in achieving tasks assigned to him, we found his efficient and his character and conduct were good.

We wish him for bright future.

Thanks and Regards,

For PraLoTech Solutions LLP

Director

Lohith C

Project Manager & Director

PraLoTech Solutions

SAHYADRI SCIENCE COLLEGE SHIVAMOGG-577203

DEPARTMENT OF BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled "**DETECTION EYE BLINK FOR PARALYZED PEOPLE**" is a bonifade work carried out by SANNIDHI K M (U06CS21S0590)student of Department of Computer Science Sahyadri Science College Shimogga for, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academiv year2023-2024

SANNIDHI K M **U06CS21S0590**

During the academic year 2023-24 Under the guidance of

Mentor

M.r Arun Kumar N.B

HOD

Chairman 26/8/24
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Dr Vidyashankar M H

Principal

26/08/24
ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Dr K Rajeshwari

Name of Examiner

Signature of Examiner

Examiner 1. .....

Examiner 2. .....

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the project entitled **"Prediction of Thyroid Disease (Hypothyroidism) In Early Stage Using Feature Selection and Classification Techniques"** is a Bonafede work carried out by AISHWARYA K Y (U06CS21S0844) students of Department of Computer Science. Sahyadri Science College Shimoga, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 2023-2024.

Internal Guide:

Mr. ANNAPPA S S
LECTURER,
DEPARTMENT OF COMPUTER SCIENCE
SAHYADRI SCIENCE COLLEGE SHIMOGA.

Head of the Department:

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga-577 203.

Dr. VIDYASHANKAR M H
CHAIRMAN(HOD),
DEPARTMENT OF COMPUTER SCIENCE
SAHYADRI SCIENCE COLLEGE SHIMOGA.

Examiners:

1.....

2.....

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

PraLoTech PraLoTech Solutions LLP

#1, Silicon Plaza, Near T. C. Palya Signal, K. R. Puram, Bengaluru -560 049

Registered Under Ministry of Corporate Affairs

The Corporate Identity Number: AAN8688

Approved from AICTE

CERTIFICATE OF INTERNSHIP

We the signatory do hereby proudly present this certificate of Internship for outstanding honourable of **"RAMYA D"** (Reg No: **U06CS21S0545**), **Sahyadri Science College, Shimoga**, for her successful completion of **"MACHINE LEARNING"** Internship for Project Titled **"A Machine Learning Approach for the Classification of Falls and Activities of Daily Living in Agricultural Workers"** at **"PraLoTech Solutions LLP"** from **June 2024 to July 2024 (Total 40 hrs).**

We found **"RAMYA D"** is Effective in achieving tasks assigned to her, we found her efficient and her character and conduct were good.

We wish her for bright future.

Thanks and Regards,

For PraLoTech Solutions LLP

Director

Lohith G

Project Manager & Director

PraLoTech Solutions

PraLoTech PraLoTech Solutions LLP

#1, Silicon Plaza, Near T. C. Palya Signal, K. R. Puram, Bengaluru -560 049

Registered Under Ministry of Corporate Affairs

The Corporate Identity Number: AAN8688

Approved from AICTE

CERTIFICATE OF INTERNSHIP

We the signatory do hereby proudly present this certificate of Internship for outstanding honourable of **"YUVARAJA R S"** (Reg No: **U06CS21S0116**), **Sahyadri Science College, Shimoga**, for his successful completion of **"MACHINE LEARNING"** Internship for Project Titled **"Falls and Activities of Daily Living in Agricultural Workers Using Machine Learning"** at **"PraLoTech Solutions LLP"** from **June 2024 to July 2024 (Total 40 hrs).**

We found **"YUVARAJA R S"** is Effective in achieving tasks assigned to him, we found his efficient and his character and conduct were good.

We wish him for bright future.

Thanks and Regards,

For PraLoTech Solutions LLP

Director

Lohith C

Project Manager & Director

PraLoTech Solutions

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE SHIMOGGA

BACHELOR OF SCIENCE

CERTIFICATE

This is the certify that the internship entitled **"DETECT FAKE ACCOUNTS IN TWITTER- A CASE STUDY USING MACHINE LEARNING ALGORTHIMS"** is a Bonafide work carried out by SANKALPA K S (U06CS21S0197) students of Department of Computer Science. Sahyadri Science College Shivamogga FOR, in a particular fulfillment for the award of the degree of BACHELOR OF SCIENCE by the UNIVERSITY OF KUVEMPU during the academic year 20232024.

Internal Guide

Er Nagaraj B
BE(Cs&E) MTECH(CS&E)
Lecturer, Sahyadri Science College
Shivamogga

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ, ಕರ್ನಾಟಕ.

Head of the Department

Dr. VIDYASHSNKAR M H
Department of Computer Science
Sahyadri Science College
Shivamogga

Chairman
Computer Science Department
Sahyadri Science College
Shivamogga 577 203

Examiners: **Signature of Examiner**

1..... 1. .....

2..... 2. .....

DATE OF EXAMNINATION:
EXAMINATION CENTRE: Sahyadri Science College Shivamogga

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

CERTIFICATE

This is to certify that the project entitled "**CULTIVATION OF MEDICINAL PLANT GARDEN IN RUSA QUADRANGLE AT SAHYADRI SCIENCE COLLEGE**" submitted by **RESHMA N, SPOORTHI M, ROHINI A, MAMATHA S NAIK, TOUFEEQ KHAN M S, ABHISHEK M** for the degree of "Bachelor of Science" from **Kuvempu University**, is the result of the project work carried out by him in the Department of Botany, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. KRISHNA SWAMY K** during the period 2023-24

Dr RAMESH BABU H N

Head of the department

Department of botany

Sahyadri Science College,

Shivamogga

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.

Scanned with OKEN Scanner

CERTIFICATE

This is to certify that project entitled **"ARECANUT PLANTATION"** submitted by **JAISHREE V., KAVANA B., KAVYA M S., MANASA M S., MONIKA J., SANGEETHA BAI S.,** of 6th semester student under my guidance and supervision towards partial fulfilment of the required for the award of Bachelor of Science by Sahyadri science college during year 2023-24

Prof. Ramesh Babu.

Chairman
Department of Botany
Sahyadri Science college
Shivamogga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Botany
Sahyadri Science College Shivamogga

CERTIFICATE

This is a certify that, **Bhoomika H P, Bindu G P, Manasa J, Rakshitha H M, Sandhya** has satisfactorily completed the project work entitled **"DIVERSITY OF ORCHIDS AROUND THIRTHAHALLI"** submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Science [B.Sc], prescribed by the Kuvempu university, Shivamogga, During the academic year 2023-24.

We further certified that this work has not been submitted anywhere else for the award of any degree.

Head of the Department
Prof. Ramesh Babu H N
Department of Botany and Seed Technology
Sahyadri Science College
Shivamogga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

Department of Botany

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the Project entitled **"A STUDY ON BENEFITS AND PROBLEMS OF ARECANUT PLANTATION"** submitted by **Maruthi M P, Nagarja H, Ashwath R, Rangaswamy M, Niranjan P, Sampath Kumar R and Jeevan S C** for the degree of "Bachelor of Science" from KuvempuUniversity, is the result of the Project work carried out by her in the Department of Botany, Sahyadri Science College, Shivamogga. under the guidance of **Dr. Nandan Patel K J** during the period 2023-24.

I further declare that the results of this investigation have not been previously submitted for any degree or fellowship.

Signature of the HOD

Prof. Ramesh Babu H N
Head of Department
Department of BOTANY
Sahyadri Science College
Shivamogga-577 203

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA

Date:

Place: Shivamogga

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

Estd 1940

DEPARTMENT OF BOTANY

CERTIFICATE

This is certified that, **Yashwanth Kumar H B, H S Darshan, Anil Naik L M, H N Prajwal, Manoj B K, Harshith Nayak D, Punarva S Naik,** has satisfactorily completed the project work entitled **"MUSEUM TECHNIQUES"** submitted in partial fulfilment of the requirement for the award of degree in Bachelor of Science [B.Sc.], prescribed by the Kuvempu University, Shivamogga, During the academic year 2023 -24.

We further certified that this work has not been submitted anywhere else for the award of any degree

Dr. Ramesh Baba H. N

Head of the Department

Department of Botany

Sahyadri Science College

Shivamogga

External Examiner:

Date: 14/8/24

Place: Shivamogga

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.

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Sahyadri Science College

CERTIFICATE

This is to certify that **JEEVAN C M (U06CS21S0664), KUMAR SWAMY (U06CS21S0623), H G ABHISHEK (U06CS21S0682), NANDEESH G (U06CS21S0620), ABHISHEK B A (U06CS21S0667)** are the bonafide student of the Department of Botany during the Academic year 2024. He has prepared the Dissertation work entitled **"MACROFUNGI DIVERSITY IN FOREST REGIONS OF KARAKUCCHI, SHIVAMOGGA DISTRICT"** and submitted to the Department of Botany for the partial fulfillment for the award of degree of Bachelor of Science (B.Sc). Further, this Dissertation has not been submitted for any other Degree/Diploma of any University earlier.

Place: Shivamogga

Date:

Dr. Ramesh Babu H. N
Chairman
Department of Botany and Seed Technology
Sahyadri Science College
SHIVAMOGGA-577203

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

SHIVAMOGGA

DEPARTMENT OF BOTANY

CERTIFICATE

This is to certify that the project work entitled "**A Study on Health Benefits and Methods of Growing Morinda Citrifolia**" submitted by **Mr. SNEHAL S B, AVINASH L, DARSHAN D, RAKESH S PRAKESH D** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Project work carried out by them in the Department of Botany, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Gopal . T. D,** Asst . Professor, Department of Botany, during the period 2023-2024

We further declare that result of this investigation have not been previously submitted for any degree of fellowship.

14/8/24

Guide and Head of the Department

Dr. Gopala T.D

Asst. Professor

Department of Botany

Sahyadri Science College.

Shivamogga-577201

Date :

Place : Shivamogga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

Estd 1940

DEPARTMENT OF BOTANY

CERTIFICATE

This is certified that, **Sharath Kumar B G, Darshan S, Karthik K, Akash C, Shreyas Gujjar S, Vinay Kumar S K, Mithun Sagar G R,** has satisfactorily completed the project work entitled **"A STUDY ON PATHOLOGY OF CROP PLANTS"** submitted in partial fulfilment of the requirement for the award of degree in Bachelor of Science [B.sc], prescribed by the Kuvempu University, Shivamogga, During the academic year 2023 -24.

We further certified that this work has not been submitted anywhere else for the award of any degree.

Dr. Ramesh Babu H. N

Head of the Department

Department of Botany

Sahyadri Science College

Shivamogga

External Examiner:

Date: 14-08-2024

Place: Shivamogga

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

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Estd 1940

Department of Botany
Sahyadri Science College Shivamogga

CERTIFICATE

This is a certify that, **SANDYA K S, SHARADHI H PATWAL, SRIVISHNU V HEBBAR, SUJAN PRAKASH P, THARUN NAIK S and VIDHATRI V HEBBAR** has satisfactorily completed the project work entitled **"ARKA MICROBIAL CONSORTIUM-LIQUID FORMULATION AS A BIO-FERTILISER FOR ENHANCED PLANT GROWTH"** submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Science [B.Sc], prescribed by the Kuvempu university, Shivamogga, During the academic year 2023-24.

I further certified that this work has not been submitted anywhere else for the award of any degree .

Head of the Department

Prof. Ramesh Babu

HOD

Department of Botany and Seed Technology

Sahyadri Science College

SHIVAMOGGA-577203

Chairman
Department of Botany and Seed Technology
Sahyadri Science College
Shivamogga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External examiner

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SAHYADRI SCIENCE COLLEGE

Shimoga

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Estd 1940

Department of Botany
Sahyadri Science College Shivamogga

CERTIFICATE

This is a certify that, **Varshitha N V, Kavya B, Keerthana B T, Inchara D, Lavanya B S, Chandana N Hebbur, Sanjana V S** has satisfactorily completed the project work entitled **"DOCUMENTATION ON RELIGIOUS IMPORTANT PLANTS"** submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Science [B.Sc], prescribed by the Kuvempu university, Shivamogga, During the academic year 2023-24.

We further certified that this work has not been submitted anywhere else for the award of any degree.

Head of the Department
Prof. Ramesh Babu H N
Department of Botany and Seed Technology
Sahyadri Science College
Shivamogga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

Shimoga

(A College with Potential for Excellence)

Estd 1940

Department of Botany
Sahyadri Science College Shivamogga

CERTIFICATE

This is a certify that, **SANDYA K S, SHARADHI H PATWAL, SRIVISHNU V HEBBAR, SUJAN PRAKASH P, THARUN NAIK S and VIDHATRI V HEBBAR** has satisfactorily completed the project work entitled "**ARKA MICROBIAL CONSORTIUM-LIQUID FORMULATION AS A BIO-FERTILISER FOR ENHANCED PLANT GROWTH**" submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Science [B.Sc], prescribed by the Kuvempu university, Shivamogga, During the academic year 2023-24.

I further certified that this work has not been submitted anywhere else for the award of any degree .

Head of the Department

Prof. Ramesh Babu

HOD

Department of Botany and Seed Technology

Sahyadri Science College

SHIVAMOGGA-577203

Chairman
Department of Botany and Seed Technology
Sahyadri Science College
Shivamogga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External examiner

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Estd 1949

Department of Botany
Sahyadri Science College Shivamogga

CERTIFICATE

This is a certify that, **Amulya G L, Ashwini J N, Radhika M, Pooja A, Ramyashree G S, Rakshitha B, Nisarga A** has satisfactorily completed the project work entitled **"STUDIES ON SOME MEDICIANL PLANT"** submitted in partial fulfillment of the requirement for the award of degree in Bachelor of Science [B.Sc], prescribed by the Kuvempu university, Shivamogga, During the academic year 2023-24.

We further certified that this work has not been submitted anywhere else for the award of any degree.

Head of the Department
Prof. Ramesh Babu H N
Department of Botany and Seed Technology
Sahyadri Science College
Shivamogga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"GOLD REFINING AND HALLMARKING"** has been carried out by Ananya A, Chandana R, Deeksha M, Kavya D, Reena J M, Rakshitha Kadaramandalagi, Shrinidi S, students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Dr. K.P Latha M.Sc., Ph.D.,
Professor & Chairman
Board of Studies & Research in Chemistry
Sahyadri Science College
Shivamogga

Head of the Department
Department of Chemistry
Sahyadri Science College
Shimoga - 577203

Guide:
Srinivasa K G

External Examiner:

1.

2.

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"CASTING OF IRON"**has been carried out by Chandu M T,Harisha M M,Inchara Annappa Naik,Rakshitha Jayaram Naik,Sandeep B, Soujanya Suresh Naik,Tara D. the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Dr. K.P Latha M.Sc., P.H.D.,
Professor & Chairman
Department of PG Studies & Research in Chemistry
Sahyadri Science College
Shivamogga

Head of the Department
Department of Chemistry
Sahyadri Science College
Shimoga - 577203

Guide:
SINDHU J B
Sindhu J B.

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External Examiner:

1.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"CASTING OF IRON"**has been carried out by Akshay M Malebennur,Ankitha C S, Chinmay J, Darshan K, Nischith A, Sahana G P, Shivakumar K M, Sinchana H N the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Dr. K.P Latha M.Sc., Ph.D.
Professor & Chairman
Department of PG Studies & Research in Chemistry
Sahyadri Science College

Head of the Department
Department of Chemistry
Sahyadri Science College
Shimoga - 577203

Guide:
AKSHATHA HK

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External Examiner:

1.

2.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"Sewage treatment plant"** has been carried out by **Vidyashree H V,Sahana H G,Fazil M,Siddesh K N,Sachin N,Suresh H R,Sudeep H R,Tarunkumar B**the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Dr. K.P Latha M.Sc., Ph.D.
Professor & Chairman
Department of PG Studies & Research in Chemistry
Sahyadri Science College
Shimoga

Head of the Department
Department of Chemistry
Sahyadri Science College
Shimoga - 577203

Guide:
NANDITHA S C.

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External Examiner:
1.
2.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"Synthesis of Pyrimidine Derivatives"** has been carried out by **Aishwarya A C, Ananya M, Bindu H M, Chinthana B B, Harshavrdhan S, Nishchitha S, Nandini M R, Usha K** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Dr. K.P Latha M.Sc., P.hD.,
Professor & Chairman
Department of PG Studies & Research in Chemistry
Sahyadri Science College
Shivamogga

Head of the Department
Department of Chemistry
Sahyadri Science College
Shimoga - 577203

Guide:
Dr.Sukanya S H

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State

External Examiner:

1.

2.

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled "SEWAGE TREATMENT PLANT" has been carried out by NISARGA M, PALLAVI G D AND RAKSHITHA C S the student of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Head of the Department

Dr. K.P Latha M.Sc., Ph.D.,
Professor & Chairman
Department of Post-Graduate Studies & Research in Chemistry
Sahyadri Science College
Shivamogga-577203

Department of Chemistry

Sahyadri Science College

Shivamogga-577203

Guide:
MEGHA.K.J.

External Examiner:

1.

2.

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE

SHIVAMOGGA

DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the project work entitled **"SYNTHESIS AND CHARACTERIZATION ON SULPHUR BASED AZO DYES"** submitted has been carried out by **Pragathi N L, Soundarya S, Nagashree D R** students of VI semester B.Sc. course under the guidance of **Dr.Ravi.B.N**, Lecturer, towards partial fulfillment for the award of the degree in Bachelor of Science (BSc) during the academic year 2023-2024.

Ravi B.N

H.O.D
Department of Chemistry
Sahyadri Science College
Shivamogga

Dr.Ravi B N
Lecturer
Department of Chemistry
Sahyadri Science College

Dr. K.P Latha M.Sc., PhD.,
Professor & Chairman
Department of PG Studies & Research in Chemistry
Sahyadri Science College
Shivamogga

Date:

Place:

External Examiner

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA.
(A College with Potential for Excellence)

DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the project work entitled **"ANALYTICAL TECHNIQUES AS A TOOL IN AGRICULTURE"** submitted has been carried out by **CHANDANA BHOSLE B M, VIJETHA V G, KAVYA J, PREETHI BAI S, SANDESHA S A, PRAJWAL A P, MADHURA K S,** students of 6th semester B.Sc. course under the guidance of **Mrs. PALLAVI R B,** Lecturer, towards the partial fulfilment for the award of the degree in Bachelor of Science during the academic year 2023- 2024.

Dr. K P Latha M.Sc., Ph.D.,
Professor & Chairman
Department of PG Studies & Research in Chemistry
Sahyadri Science College
Shivamogga

Mrs PALLAVI R B
Lecturer
Department of Chemistry,
Sahyadri Science College,
Shivamogga.

DATE:

PLACE: Shivamogga.

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SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu Univers...)
SHIMOGA, Karnataka State,

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SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled "PRODUCTION OF BIODIESEL FUEL" has been carried out by NIRANTH D K, APOORVA K B, ANKITHA K NAIK the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Dr. K.P. Latha, M.Sc., Ph.D.,
Professor & Chairman
Department of Post-Graduate Studies & Research in Chemistry
Sahyadri Science College
Shivamogga

Head of the Department
Department of Chemistry
Sahyadri Science College
Shivamogga-577203

Guide:

MEGHA.K.J.

External Examiner:

1.

2.

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SHIMOGA, Karnataka State.

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SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled "RAIN WATER HARVESTING" has been carried out by Suncha H S and Premsagar H M the student of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Dr. K.P Latha M.Sc., Ph.D.
Professor & Chairman
Department of PG Studies & Research
Sahyadri Science College
Shivamogga
Head of the Department
Department of Chemistry
Sahyadri Science College
Shivamogga - 577203

Guide:

MEGHA K.J.

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SHIMOGA, Karnataka State.

External Examiner:

1.

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Shimoga

(A College with Potential for Excellence)

Estd 1940

DEPARTMENT OF CHEMISTRY

CERTIFICATE

This is to certify that the project work entitled **"ANALYTICAL TECHNIQUES AS A TOOL IN AGRICULTURE"** submitted has been carried out by **RAKESH H P, RAKSHITHA N, SUDEEP S, INDUDHARA P M, BASAVARAJA, PRIYA M, PRIYANKA P, ANUSHA J** students of VI semester B.Sc. course under the guidance of **VIDYARANI H V**, Lecturer, towards the partial fulfillment for the award of degree in Bachelor of Science (BSc) during the academic year 2023- 2024.

Dr. LATHA K P

Dr. K.P Latha M.Sc., PhD.,

Head of the Dept. Chemistry

Sahyadri Science College

Shivamogga

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.

Date:

Place: Shivamogga

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Sahyadri Science College

(A Constituent college of Kuvempu University)

SH 57, Vidya Nagar, Shivamogga, Karnataka 577203

INTERSHIP REPORT

ON

INDUSTRIAL/GEOLOGICAL FIELD VISIT TO SANDUR MANGANESE & IRON ORES LIMITED, ACORE INDUSTRIES PVT. LTD., DEPARTMENT OF MINERAL PROCESSING, NANDIHALLI CAMPUS, SANDUR AND GEOLOGICAL SURVEY OF INDIA FIELD TRAINING CENTRE – CHITRADURAGA

A Internship report submitted for the partial fulfilment of academic requirements for the award of Degree in Bachelor of Science from the Kuvempu University

Submitted by

AKSHITHA R	**U06CS21S0675**
DIVYA M	**U06CS21S0609**
MEGHANA C R	**U06CS21S0237**
TANUJA A S	**U06CS21S0603**

Under the supervision of

DR. MAHESHA. N

GUEST FACULTY

DEPARTMENT OF GEOLOGY

Academic Year: 2023 – 2024

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Sahyadri Science College

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CERTIFICATE

Certified that the Internship work entitled "Industrial/Geological Field visit to Sandur Manganese & Iron Ores Limited, ACORE Industries Pvt. Ltd., Department of Mineral Processing, Nandihalli Campus, Sandur and Geological Survey of India Field Training Centre – Chitradurga" carried out by Mr./Ms. **AKSHITHA R , DIVYA M , MEGHANA C R , TANUJA A S** Register Number **U06CS21S0675, U06CS21S0609, U06CS21S0237, U06CS21S0603** a bonafide student of Sahyadri Science College is submitted in partial fulfillment for the award of Bachelor of Science Degree in Geology from Kuvempu University during the Academic year 2023-2024. It is certified that all suggestions/ corrections suggested during Internal Assessment have been incorporated in the Report. The Internship work has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the award of the above said Degree.

N. Mahesha
Signature of the Guide

N. Mahesha
p/ **Signature of the HOD**

HEAD
DEPARTMENT OF GEOLOGY
Sahyadri Science College
SHIVAMOGGA

Signature of the Principal

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External Viva:

Sl. No.	Name of the examiners	Signature with date
1.		
2.		

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Sahyadri Science College

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Vidya Nagar, Shivamogga, Karnataka 577203

INTERNSHIP REPORT

ON

INDUSTRIAL/GEOLOGICAL FIELD VISIT TO SANDUR MANGANESE & IRON ORES LIMITED, ACORE INDUSTRIES PVT. LTD., DEPARTMENT OF MINERAL PROCESSING, NANDIHALLI CAMPUS, SANDUR AND GEOLOGICAL SURVEY OF INDIA FIELD TRAINING CENTRE – CHITRADURAGA

A Internship report submitted for the partial fulfilment of academic requirements for the award of Degree in Bachelor of Science from the Kuvempu University

Submitted by,

SHREYAS	**U06CS21S0490**
KUBERA K	**U06CS21S0492**
NIKHIL S P	**U06CS21S0889**

Under the supervision of,

DR. MAHESHA. N

GUEST FACULTY

DEPARTMENT OF GEOLOGY

Academic Year: 2023 – 2024

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Sahyadri Science College

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CERTIFICATE

Certified that the Internship work entitled "Industrial/Geological Field visit to Sandur Manganese & Iron Ores Limited, ACORE Industries Pvt. Ltd., Department of Mineral Processing, Nandihalli Campus, Sandur and Geological Survey of India Field Training Centre – Chitradurga" carried out by bearing Registered Numbers **Mr.SHREYAS-U06CS21S0490, Mr.KUBERA K-U06CS21S0492, NIKHIL S P-U06CS21S0889**,are bonafide students of Sahyadri Science College is submitted in partial fulfillment for the award of Bachelor of Science Degree in Geology from Kuvempu University during the Academic year 2023-2024. It is certified that all suggestions/ corrections suggested during Internal Assessment have been incorporated in the Report. The Internship work has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the award of the above said Degree.

N. Malode
Signature of the Guide

N. Malode
for **Signature of the HoD**
HEAD
DEPARTMENT OF GEOLOGY
Sahyadri Science College
SHIVAMOGGA

Signature of the Principal
PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External Viva:

Sl. No.	Name of the examiners	Signature with date
1.		
2.		

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INTERNSHIP REPORT

ON

INDUSTRIAL/ GEOLOGICAL FIELD VISIT TO SANDUR MANGANESE AND IRON ORES LIMITED, ACORE INDUSTRIES PVT. LIMITED, DEPARTMENT OF MINERAL PROCESSING – NANDIHALLI CAMPUS, SANDUR AND GEOLOGICAL SURVEY OF INDIA- FIELD TRAINING CENTRE-CHITRADURGA

A Internship report submitted for the partial fulfilment of academic requirements for the award of Degree in Bachelor of Science from the Kuvempu University .

Submitted By –

LIKHITHA J NAIK U06CS21S0822

POOJA K N. U06CS21S0219

SUSHMITHA H U06CS21S0874

KAMAKSHI SAHOO U06CS21S0951

Under the supervision of

DR. MAHESHA. N

GUEST FACULTY

DEPARTMENT OF GEOLOGY

Academic Year: 2023 – 2024

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Sahyadri Science College

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SH 57, Vidya Nagar, Shivamogga, Karnataka 577203

CERTIFICATE

Certified that the Internship work entitled "Industrial/Geological Field visit to Sandur Manganese & Iron Ores Limited, ACORE Industries Pvt. Ltd., Department of Mineral Processing, Nandihalli Campus, Sandur and Geological Survey of India Field Training Centre – Chitradurga"carried out and registered by **Miss. LIKHITHA J NAIK -U06CS21S0822, POOJA K N-U06CS21S0219, SUSHMITHA H-U06CS21S0874 ,KAMAKSHI SAHOO-U06CS21S0951** a bonafide student of Sahyadri Science College is submitted in partial fulfillment for the award of Bachelor of Science Degree in Geology from Kuvempu University during the Academic year 2023-2024. It is certified that all suggestions/ corrections suggestedduring InternalAssessment have been incorporated in the Report. The Internship work has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the award of the above said Degree.

N. malode
Signature of the Guide

N. malode
for **Signature of the HOD**
HEAD
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SHIVAMOGGA

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PRINCIPAL
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SHIMOGA, Karnataka State.

External Viva:

Sl. No.	*Name of the examiners*	*Signature with date*
1.		

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INTERNSHIP REPORT

ON

INDUSTRIAL/GEOLOGICAL FIELD VISIT TO SANDUR MANGANESE & IRON ORES LIMITED, ACORE INDUSTRIES PVT. LTD., DEPARTMENT OF MINERAL PROCESSING, NANDIHALLI CAMPUS, SANDUR AND GEOLOGICAL SURVEY OF INDIA FIELD TRAINING CENTRE – CHITRADURAGA

A Internship report submitted for the partial fulfilment of academic requirements for the award of Degree in Bachelor of Science from the Kuvempu University

Submitted by

Devika M	**U06CS21S0118**
Priyanka R	**U06CS21S0561**
Sanjana M	**U06CS21S0558**
Chandana G R	**U06CS21S0638**

Under the supervision of

DR. MAHESHA. N

GUEST FACULTY

DEPARTMENT OF GEOLOGY

Academic Year: 2023 – 2024

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CERTIFICATE

Certified that the Internship work entitled "Industrial/Geological Field visit to Sandur Manganese & Iron Ores Limited, ACORE Industries Pvt. Ltd., Department of Mineral Processing, Nandihalli Campus, Sandur and Geological Survey of India Field Training Centre – Chitradurga" carried out by, **Ms. Devika M Register Number U06CS21S0118, Ms. Priyanka R Register Number U06CS21S0561, Ms. Sanjana M Register Number U06CS21S0558, Ms. Chandana G R Register Number U06CS21S0638** a bonafide student of Sahyadri Science College is submitted in partial fulfillment for the award of Bachelor of Science Degree in Geology from Kuvempu University during the Academic year 2023-2024. It is certified that all suggestions/ corrections suggested during Internal Assessment have been incorporated in the Report. The Internship work has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the award of the above said Degree.

N. Malesh
Signature of the Guide

for N. Malesh
Signature of the HoD

HEAD
DEPARTMENT OF GEOLOGY
Sahyadri Science College
SHIVAMOGGA

Signature of the Principal

PRINCIPAL
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SHIMOGA, Karnataka State.

External Viva:

Sl. No.	Name of the examiners	Signature with date
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2.		

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INTERNSHIP REPORT

ON

INDUSTRIAL/GEOLOGICAL FIELD VISIT TO SANDUR MANGANESE & IRON ORES LIMITED, ACORE INDUSTRIES PVT. LTD., DEPARTMENT OF MINERAL PROCESSING, NANDIHALLI CAMPUS, SANDUR AND GEOLOGICAL SURVEY OF INDIA FIELD TRAINING CENTRE – CHITRADURAGA

A Internship report submitted for the partial fulfilment of academic requirements for the award of Degree in Bachelor of Science from the Kuvempu University

Submitted by

VIDYARANYA PATIL	-	**U06CS21S0953**
PAVAN KUMAR H	-	**U06CS21S0430**
BHUVAN B R	-	**U06CS21S0182**

Under the supervision of

DR. MAHESHA. N

GUEST FACULTY

DEPARTMENT OF GEOLOGY

Academic Year: 2023 – 2024

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Sahyadri Science College

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CERTIFICATE

Certified that the Internship work entitled "Industrial/Geological Field visit to Sandur Manganese & Iron Ores Limited, ACORE Industries Pvt. Ltd., Department of Mineral Processing, Nandihalli Campus, Sandur and Geological Survey of India Field Training Centre – Chitradurga" carried out by **Mr. VIDYARANYA PATIL,** Register Number **U06CS21S0953, Mr. PAVAN KUMAR H,** Register Number **U06CS21S0430 Mr. BHUVAN B R** Register Number **U06CS21S0182,** a bonafide student of Sahyadri Science College is submitted in partial fulfillment for the award of Bachelor of Science Degree in Geology from Kuvempu University during the Academic year 2023-2024. It is certified that all suggestions/ corrections suggested during Internal Assessment have been incorporated in the Report. The Internship work has been approved as it satisfies the academic requirements in respect of Internship work prescribed for the award of the above said Degree.

N. Malesh
Signature of the Guide

N. Malesh
for **Signature of the HoD**
HEAD
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Sl. No.	Name of the examiners	Signature with date
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KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE
SHIVAMOGGA

Project Work Submitted In Partial Fulfillment of VI-Semester

"EVALUATION OF AMYLASE AND PROTEASE PRODUCING ORGANISM FROM RHIZOSPHERE SOIL"

Department of Microbiology
Sahyadri Science College
Shivamogga -577203

2023-2024

Submitted by

AISHWARYA R	U06CS21S0202
SHREYA R	U06CS21S0132
FALKEEN	U06CS21S0205
RAKSHITH R GONAL	U06CS21S0735

Guided by

Dr. VENUGOPAL T.M
Lecturer
Department of Microbiology
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Project Work Submitted In Partial Fulfillment of VI-Semester

"POTENTIAL OF INDIAN SPICES ON THE PATHOGENS INVOLVED IN WOUND INFECTION"

Department of Microbiology
Sahyadri Science College
Shivamogga -577203

2023-2024

Submitted by

ANANYA S	U06CS21S0876
NISHCHITHA M	U06CS21S0565
SHWETHA S	U06CS21S0542
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SAHYADRI SCIENCE COLLEGE
SHIVAMOGGA

Project Work Submitted In Partial Fulfillment of VI-Semester

"EFFECT OF ETHANOL EXTRACT OF *RUTA GRAVEOLENS* ON BACTERIAL ISOLATES OF DOG SALIVA"

Department of Microbiology
Sahyadri Science College
Shivamogga -577203

2023-2024

Submitted by

MEHEK NAZ	U06CS21S0660
VIJAYA LAXMI HANUMAYYA ILIGER	U06CS21S0938
NIDA ANJUM	U06CS21S0584
KRUTHIKA S	U06CS21S0462
ARUN SOMU RATHOD	U06CS21S0939

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SAHYADRI SCIENCE COLLEGE
SHIVAMOGGA

Project Work Submitted In Partial Fulfillment of VI-Semester

"SUSCEPTIBILITY PATTERN OF VIRIDANS GROUP OF STREPTOCOCCUS AGAINST STANDARD ANTIBIOTICS"

Department of Microbiology
Sahyadri Science College
Shivamogga -577203

2023-2024

Submitted by

SANJANA H	U06CS21S0119
POOJA D KODAVATH	U06CS21S0120
SHARADA M S	U06CS21S0463
HEMALATHA R	U06CS21S0540
SAMARTH G SHASHIDAR	U06CS21S0749

Guided by

DR. N MALLIKARJUN
Professor
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SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE
SHIVAMOGGA

Project Work Submitted In Partial Fulfillment of VI-Semester

"EXTRACTION OF PHYTOCHEMICALS FROM *SOLANUM TORVUM* AND *SOLANUM NIGRUM* AND THEIR ANTIBACTERIAL EFFICACY AGAINST HUMAN PATHOGENS".

Department of Microbiology
Sahyadri Science College
Shivamogga -577203

2023-2024

Submitted by

Spoorthi Patel Y P
UUCMS NO: U06CS21S0282
Department Of Environmental Science,
Sahyadri Science College
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Guided by

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Lecturer
Department of Microbiology
Sahyadri Science College
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SHIMOGA, Karnataka State.

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KUVEMPU UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Sahyadri Science College, Shivamogga.

CERTIFICATE

This is to certify that the dissertation entitled **"Analysis of Kidney Disorder"** mitted by Ms. Deeksha S; Reg. No: U06CS21S0547 for the degree of "Bachelor of ence" from Kuvempu University, is the result of the project work carried out by her he Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the dance of **Dr. Varunakumar J.B** HOD, Department of Biochemistry, Sahyadri ence College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously mitted for any award of degree or fellowship.

Dr. Varunakumara J B

Project guide

Dr. Varunakumara J B

Head of the Department

Head of the Department of Biochemistry Sahyadri Science College Shimoga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External Examiners:

1

Place: Shivamogga

Date:

2

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KUVEMPU UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Sahyadri Science College, Shivamogga.

CERTIFICATE

This is to certify that the dissertation entitled **"Analysis of Kidney Disorder"** mitted by Ms. Deeksha S; Reg. No: U06CS21S0547 for the degree of "Bachelor of ence" from Kuvempu University, is the result of the project work carried out by her he Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the dance of **Dr. Varunakumar J.B** HOD, Department of Biochemistry, Sahyadri ence College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously mitted for any award of degree or fellowship.

Dr. Varunakumara J B

Project guide

Dr. Varunakumara J B

Head of the Department

Head of the Department of Biochemistry Sahyadri Science College Shimoga

PRINCIPAL
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SHIMOGA, Karnataka State.

External Examiners:

1

Place: Shivamogga

Date:

2

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KUVEMPU UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Sahyadri Science College, Shivamogga.

CERTIFICATE

This is to certify that the Project entitled **"Grain Legumes – A boon to Nutrition"** submitted by **Name: PRABHU S ; Reg. No: U06CS21S0838** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by him in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Sunil S V** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Sunil S V

Project guide & Lecturer

Dr. Varunakumara J B

Head of the Department

Head of the Department of Biochemistry
Sahyadri Science College
Shimoga

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State

External Examiners:

Place: Shivamogga

Date:

1

2

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KUVEMPU UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Sahyadri Science College, Shivamogga.

CERTIFICATE

This is to certify that the Project entitled **"The study on antioxidant and dissolution of calcium stones by *Kalanchoe pinnata* extracts"** submitted by **Name: K N Nireeksha; Reg. No: U06CS21S0550** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Sunil S V** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Sunil S V

Project guide & Lecturer

Dr. Varunakumara J B

Head of the Department

Head of the Department of Biochemistry
Sahyadri Science College
Shimoga

PRINCIPAL
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(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

External Examiners:

Place: Shivamogga

Date:

1

2

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KUVEMPU UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Sahyadri Science College, Shivamogga.

CERTIFICATE

This is to certify that the project report entitled **"A Study on Dairy Processing in SHIMUL"** submitted by **Ms. DISHA N NAIK** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Sunil S V** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Sunil S V
Project guide & Lecturer

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
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SHIMOGA, Karnataka State.

Dr. Varunakumara J B
Head of the Department

External Examiners:

1

Place: Shivamogga

Date:

2

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KUVEMPU UNIVERSITY

DEPARTMENT OF BIOCHEMISTRY

Sahyadri Science College, Shivamogga.

CERTIFICATE

This is to certify that the Project entitled **"The potential health benefits of legumes as a good source of dietary fiber"** submitted by **Name: AJJAIAH H L; Reg. No: U06CS21S0035** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by him in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Sunil S V** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Sunil S V

Project guide & Lecturer

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CERTIFICATE

This is to certify that the dissertation entitled **"Analysis of Honey and Sugar Adulteration and their effect"** submitted by **Ms. Bhavana P; Reg. No: U06CS21S0799** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Varunakumara J B** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Varunakumara J B

Project guide

Dr. Varunakumara J B

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CERTIFICATE

This is to certify that the dissertation entitled **"A study on Antibacterial activity of *Azadirachta indica* "** submitted by Ms. Supritha T; Reg. No: U06CS21S0549 for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Veena M E** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga duringthe year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Veena M E

Project guide & Lecturer

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CERTIFICATE

This is to certify that the dissertation entitled **"A study on Antifungal activity of *Rauwolfia serpentina* "** submitted by Ms. Sneha S D; Reg. No: U06CS21S0405 for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Veena M E** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga duringthe year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Veena M E

Project guide & Lecturer

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CERTIFICATE

This is to certify that the dissertation entitled **"A study on Antibacterial and Antioxidant activity of *Rauwolfia serpentina* "** submitted by Ms. Anusha B S ; Reg. No: U06CS21S0401 for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Veena M E** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Veena M E

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CERTIFICATE

This is to certify that the dissertation entitled **"A study on Antifungal activity of *Azadirachta indica* "** submitted by Ms. Pooja K S; Reg. No: U06CS21S0551 for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Veena M E** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga duringthe year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Veena M E

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CERTIFICATE

This is to certify that the dissertation entitled **"Phytochemical screening and Antioxidant study of ethanolic extract of *Azadirachta Indica*"** submitted by **Mr. ULLAS R, Reg. No: U06CS21S0137** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Veena M E** Lecturer , Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Veena M E

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CERTIFICATE

This is to certify that the dissertation entitled **"A Study on the Phytochemical and Adulteration Present in Commercially Available Coffee powder"** submitted by **Mr. YATHISH YADAV T M, Reg. No: U06CS21S0601** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Sunil S V Lecturer** , Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Sunil S V

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CERTIFICATE

This is to certify that the project entitled ***"Comparative assessment of phytoconstituents of Robusta coffee beans"*** submitted by **Ms. Srinithya Hebbar M R; Reg. No. U06CS21S0708** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Sunil S V** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Sunil S V

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CERTIFICATE

This is to certify that the project work entitled **"Comparative phytochemical study of Robusta coffee beans"** submitted by **Mr. Sanjay M S** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by him in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Sunil S V** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Sunil S V

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CERTIFICATE

This is to certify that the project entitled "Phytochemical screening and antimicrobial study of ethanolic extract of *Curcuma caesia Roxb*" was submitted by **Ms. PRUTHVI K V; Reg. No: U06CS21S0277** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Sunil S V** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Sunil S V

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CERTIFICATE

This is to certify that the dissertation entitled **"A study on phytochemical constituents of commercially available coffee products"** submitted by **Ms. IMPANA P; Reg. No: U06CS21S0555** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Sunil S V** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Sunil S V

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CERTIFICATE

This is to certify that the dissertation entitled ***"Adultreration of turmeric powder and tea powder"*** submitted by **DEEPA H S** for the degree of "Bachelor of Science" from Kuvempu University ,is the result of the project work carried out by them in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of me during the period 2023- 24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

PROJECTGUIDE

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CERTIFICATE

This is to certify that the dissertation entitled **"The Food Adulteration of Chilli Powder and Milk Sample"** submitted by **Ms. Raaga U; Reg. No: U06CS21S0593**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Veena M E** Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga duringthe year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Veena M E

Project guide & Lecturer

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CERTIFICATE

This is to certify that the dissertation entitled **"Screening and Treatment of Cardiac Arrest"** submitted by **Ms. Thanushree D, Reg. No: U06CS21S0522** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Varunakumara J B Assistant professor** , Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Varunakumara J B

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CERTIFICATE

This is to certify that the dissertation entitled **"Screening and Treatment of Cardiac Arrest"** submitted by **Ms. Swathi S M, Reg. No: U06CS21S0523** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Varunakumara J B Assistant professor** , Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Varunakumara J B

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CERTIFICATE

This is to certify that the dissertation entitled **"A study on evolution of Myocardial infraction"** submitted by **Ms. Nayana D P, Reg. No: U06CS21S0044** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Varunakumara J B Assistant professor** , Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Varunakumara J B

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CERTIFICATE

This is to certify that the dissertation entitled **"preparation of Activated Carbon Soap from Areca Catechu Husk"** submitted by **Ms. Priya K R , Reg. No: U06CS21S0045** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Sunil S V Lecturer**, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Sunil S V

Project Guide

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CERTIFICATE

This is to certify that the dissertation entitled **"A study on evolution of Myocardial infraction"** submitted by **Ms. Apoorva N, Reg. No: U06CS21S0859** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Varunakumara J B Assistant professor** , Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Varunakumara J B

Project Guide

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CERTIFICATE

This is to certify that the dissertation entitled **"Evaluation of Qualitative Analysis of Kokum fruit Juice (Garcina Indica)"** submitted by **Ms. AFREENA M, Reg. No: U06CS21S0764** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Varunakumara J B Assistant professor** , Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Varunakumara J B

Project Guide

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CERTIFICATE

This is to certify that the project entitled "Viral Encephalitis" submitted by Ms Laxmi Andappa Kolur; Reg. No: U06CS21S0932 for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by his in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of Dr. Veena M E Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24. I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Veena M E

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CERTIFICATE

This is to certify that the project entitled "Bacterial Meningitis" submitted by Mr. Rakesh Prakash Manta; Reg. No: U06CS21S0810 for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by his in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of Dr. Veena M E Lecturer, Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24. I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr. Veena M E

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CERTIFICATE

This is to certify that the dissertation entitled **"Qualitative Analysis Of Pure And Different Brands Of Ghee Samples"** submitted by **Ms. H VASANTHA , Reg. No: U06CS21S0283**for the degree of "Bachelor of Science" from Kuvempu University, is the result of the project work carried out by her in the Department of Biochemistry, Sahyadri Science College, Shivamogga. Under the guidance of **Dr.Varunakumara J B Assistant professor** , Department of Biochemistry, Sahyadri Science College, Shivamogga during the year 2023-24.

I further declare that the results of this investigation have not been previously submitted for any award of degree or fellowship.

Dr.Varunakumara J B

Project Guide

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CERTIFICATE

This is to certify that the Project work entitled "RENEWABLE ENERGY SOURCES" has been carried out by the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.V

Head of the Department
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26/08/24

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1. Sandeep R.B
2. Shamanth H.D.
3. Ganesha H.
4. Shivakumar K
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CERTIFICATE

This is to certify that the Project work entitled "CONTRIBUTION OF INDIAN SCIENTISTS TO THE WORLD SCIENCE" has been carried out by the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.N

Head of the Department
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28/03/24

PRINCIPAL
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SHIMOGA, Karnataka State.

1. Abhinandan S.P.
2. Akash M.N.
3. Dhanush M.R.
4. Jayanth P
5. Kalyankumara U.S
6. Manohar M.

Guide:

BiBiKhuteja

External Examiner:

1.

2.

KUVEMPU UNIVERSITY

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CERTIFICATE

This is to certify that the project entitled **"Great Experiments in Physics"** has been carried out by the Students of sixth semester B.Sc. course under our supervision guidance.

This project is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic Year 2023-24. We further clarify that the work is original and has not been submitted to any other university wholly or in part for award of any other degrees.

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Latha

Project Guide
Dr. Latha

1. Nisarga K.C.
2. Aishwarya S
3. Farhana

External Examiner

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SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA

CERTIFICATE

This is to certify that the Project work entitled "**EVOLUTION OF STARS**" has been carried out by the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar. M.N.

Head of the Department
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26/08/24

ಪ್ರಾಚಾರ್ಯರು
ಸಹ್ಯಾದ್ರಿ ವಿಜ್ಞಾನ ಕಾಲೇಜು
(ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯದ ಘಟಕ ಕಾಲೇಜು)
ಶಿವಮೊಗ್ಗ. ಕರ್ನಾಟಕ.

Guide: (KUSHAL K.C)

External Examiner:

1.

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1. Prajwal B.K
2. Renukesh S.B
3. Varun V
4. Vinod D Naik
5. Yashwanth B.S.

2023 – 24

KUVEMPU UNIVERSITY

SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled **"CHARACTERISTICS AND APPLICATIONS OF OPERATIONAL AMPLIFIER"** has been carried out by **B M RASHMI** the student of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. I further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Chandrashekar M.N.

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Guide:

External Examiner:

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SAHYADRI SCIENCE COLLEGE, SHIMOGA

"COMMON DIODES AND ITS CHARACTERISTICS"

Project work submitted in the partial fulfillment of
B.Sc. VI Semester to

SIRI M K
Guest Lecturer, Department of Physics
Sahyadri Science College
Shimoga - 577203

Submitted by
VIDYA D M
U06CS21S0347
B.Sc. VI Semester
Sahyadri Science College
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Project Supervisor
Dr. Chandrashekara M N
Head of the Department of Physics
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2023 – 24

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SAHYADRI SCIENCE COLLEGE, SHIMOGA

CERTIFICATE

This is to certify that the Project work entitled "SENSORS" has been carried out by SNEHA KUMAR, the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Guide: Dr. SUBRAMANYA K

External Examiner:

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Principal

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CERTIFICATE

This is to certify that the Project work entitled **"Passive Circuit Analysis"** has been carried out by **Sumati Patil** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Guide: Akshay Prabhu 31/08/24

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CERTIFICATE

This is to certify that the Project work entitled **"Passive and Active Filter Circuit Analysis"** has been carried out by **Poornima M** the students of VI semester B.Sc. course under our supervision and guidance.

This project work is submitted in partial fulfillment for the award of the degree of Bachelor of Science during the academic year 2023-24. We further clarify that the work has not been submitted to any other university wholly or in part for award of any other degrees.

Guide: Akshay Prabhu 31/08/24

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