

Kuvempu University



PROJECT REPORT
ON
“BLUETOOTH CONTROLLED
ELECTRONIC NOTICE BOARD”

IN ELECTRONICS,
PREPARED BY SIXTH SEMESTER B.Sc – (2022–23)
STUDENTS

- | | |
|-------------------------|-----------------|
| 1. NAVAMI B P | S2003438 |
| 2. AISHWARYA H S | S2003309 |
| 3. MEGHANA K R | S2003425 |
| 4. LAKSHMI H B | S2003411 |



Submitted to

DEPARTMENT OF ELECTRONICS

DVS College of Arts and Science,

Shivmogga-577201



DEPARTMENT OF ELECTRONICS

DVS College of Arts, Science, Shivamogga – 577201

CERTIFICATE

This is to certify that **Ms. NAVAMI B.P, AISHWARYA H.S, MEGHANA K.R** and **LAKSHMI H.B**, With Register number **S2003438, S2003309, S2003425, S2003411**, has satisfactorily completed the **project work** entitled **“BLUETOOTH CONTROLLED ELECTRONIC NOTICE BOARD”** in **ELECTRONICS** as prescribed by the **KUVEMPU UNIVESITY** for **B.Sc. VI Semester** during the academic year **2022-2023**.

Anusha H S
PROJECT GUIDE &
S.D.

HOD OF ELECTRONICS
H.O.D. Of Electronics
D. V. S. College of Arts Science
SHIMOGA

SIGNATURE OF EXAMINERS

1	VALUED
2	Signatures of 1) <i>Navami B.P</i>
	Examiners 2) <i>S.D.</i>
	etc

Date of Examination: *21/8/2023*



PROJECT REPORT

ON

"GAS LEAKAGE DETECTOR USING AURDINO NANO"

IN ELECTRONICS,

PREPARED BY SIXTH SEMESTER B.Sc – (2022–23)
STUDENTS

- | | |
|-------------------|----------|
| 1. POOJA.P.KALE | S2003451 |
| 2. PRAJWAL.M | S2003452 |
| 3. CHANDAN.L | S2003359 |
| 4. RABIYA FIRDOSE | S2003463 |



Submitted to

DEPARTMENT OF ELECTRONICS

DVS College of Arts and Science,

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DEPARTMENT OF ELECTRONICS

DVS College of Arts, Science, Shivamogga – 577201

CERTIFICATE

This is to certify that Ms. POOJA.P.KALE, Mr. PRAJWAL .M, Mr. CHANDAN .L, Ms. RABIYA FIRDOSE, With Register number S2003451, S2003452, S2003359, S2003463, has satisfactorily completed the project work entitled "GAS LEAKAGE DETECTOR USING AURDINO NANO" in ELECTRONICS as prescribed by the KUVEMPU UNIVESITY for B.Sc. VI Semester during the academic year 2022-2023.

Anurha H.S.
PROJECT GUIDE &
S.D.
HOD OF ELECTRONICS
H.O.D. Of Electronics
D.V.S. College of Arts Science
SHIMOGA

SIGNATURE OF EXAMINERS

- 1
- 2

Date of Examination: 21/8/2023

Kuvempu  University

PROJECT REPORT

ON

"SMART LIGHT"

IN ELECTRONICS,

PREPARED BY SIXTH SEMESTER B.Sc -(2022-23)
STUDENTS

- | | |
|--------------------|----------|
| 1. VARSHA C | S2003524 |
| 2. KUSUMA S | S2003409 |
| 3. KOMAL NAZREEN S | S2003407 |
| 4. INCHARA R | S2003390 |



Submitted to

DEPARTMENT OF ELECTRONICS

DVS College of Arts and Science

Shivamogga - 577201



DEPARTMENT OF ELECTRONICS

DVS College of Arts and Science, Shivamogga - 577201

CERTIFICATE

This is to certify that **Ms. VARSHA C, KUSUMA S, KOMALA NAZREEN S AND INCHARA R**, With Register number **S2003524, S2003409, S2003407, S2003390**, has satisfactorily completed the **project work** entitled **"SMART LIGHT"** in **ELECTRONICS** as prescribed by the **KUVEMPU UNIVESITY** for **B.Sc. VI Semester**, during the academic year **2022-2023**.

Aneel H S.
PROJECT GUIDE &
S.D.
HOD OF ELECTRONICS
H.O.D. Of Electronics
D.V.S. College of Arts Science
SHIMOGA

SIGNATURE OF EXAMINERS

- 1
- 2 S.D. 21/8/23

DATE OF EXAMINATION: 21/8/2023

Kuvempu  University

DVS COLLEGE OF ARTS & SCIENCE

SHIVAMOGGA.

PROJECT REPORT
ON
“COLOR DETECTION
USING ARDUINO UNO”

IN ELECTRONICS.

PREPARED BY 6TH SEMISTER B.sc-(2022-2023)

STUDENTS

- | | |
|---------------|----------|
| 1. CHANDANA N | S2003366 |
| 2. JYOTHI H N | S2003543 |
| 3. POOJA L | S2003450 |
| 4. MANASA D B | S2003421 |



SUBMITTED TO
DEPARTMENT OF ELECTRONICS
DVS COLLEGE OF ARTS AND SCIENCE



DEPARTMENT OF ELECTRONICS

DVS College of Arts and Science, Shivamogga – 577201

CERTIFICATE

This is to certify that **Ms CHANDANA, JYOTHI, POOJA AND MANASA** With Register number S2003366, S2003543, S2003450 and S2003421 has satisfactorily completed the **project work** entitled **“COLOR DETECTION USING ARDUINO UNO”** in **ELECTRONICS** as prescribed by the **KUVEMPU UNIVERSITY** for **B.Sc. VI Semester**, during the academic year **2022-2023**

Anusha H S
PROJECT GUIDE &

S.D.

HOD OF ELECTRONICS

H.O.D. Of Electronics
D. V. S. College of Arts Science
SHIMOGA

SIGNATURE OF EXAMINERS

1 K. Suresh Kumar

2 S.D.

DATE OF EXAMINATION 21/8/2023



PROJECT REPORT

ON

“LINE FOLLOWER”

IN ELECTRONICS,

PREPARED BY SIXTH SEMESTER B.Sc –(2022–23) STUDENTS

- | | |
|---------------------|----------|
| 1. AKASH K | S2003438 |
| 2. GANESH D | S2003309 |
| 3. ARIF KHAN | S2003425 |
| 4. ISHAQ RAYAN KHAN | S2003411 |



Submitted to

DEPARTMENT OF ELECTRONICS

DVS College of Arts and Science

Shivamogga - 577201



DEPARTMENT OF ELECTRONICS

DVS College of Arts, Science, Shivamogga – 577201

CERTIFICATE

This is to certify that **Mr. AKASH K, GANESH D, ARIF KHAN and ISHAQ RAYAN KHAN**, With Register number **S2003315, S2003385, S2003540, S2003391**, has satisfactorily completed the **project work** entitled **“LINE FOLLOWER”** in **ELECTRONICS** as prescribed by the **KUVEMPU UNIVESITY** for **B.Sc. VI Semester** during the academic year **2022-2023**.

Anurha H. S
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H.O.D. Of Electronics
D. V. S. College of Arts Science
SHIVMOGGA

SIGNATURE OF EXAMINERS

- K. S. S. S.*
- S. D.*

Date of Examination: *21/08/2023*

PROJECT REPORTON

"SMART HELMET ALCOHOL DETECTOR"

IN ELECTRONICS,

PREPARED BY SIXTH SEMESTER B.Sc – (2022–23)
STUDENTS

- | | |
|-------------------|----------|
| 1. B ANUSHA | S2003343 |
| 2. ARCHANA S M | S2003337 |
| 3. MADHUSHREE B S | S2003417 |
| 4. H V AADYA. | S2003386 |



Submitted to

DEPARTMENT OF ELECTRONICS

DVS College of Arts and Science,

Shivmogga-577201



DEPARTMENT OF ELECTRONICS

DVS College of Arts, Science, Shivamogga – 577201

CERTIFICATE

This is to certify that Ms. B ANUSHA, Ms. ARCHANA S M, Ms. MADHUSHREE B S, Ms. H V AADYA, With Register number S2003343, S2003337, S2003417, S2003386, has satisfactorily completed the project work entitled "SMART HELMET ALCOHOL DETECTOR" in ELECTRONICS as prescribed by the KUVEMPU UNIVESITY for B.Sc. VI Semester during the academic year 2022-2023.

Anusha H S
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SHIMOGA

SIGNATURE OF EXAMINERS

- 1.
- 2.

Date of Examination: 21/8/2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS & SCIENCE, SHIMOOGA-577201

A Project Report on

PREVALENCE OF DIABETES, A SURVEY

Submitted to the Department of Zoology

DVS COLLEGE OF ARTS & SCIENCE, SHIVAMOGGA

For the partial fulfillment of the requirement for the

BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by:

AFEefa KOUNAIN	S2003306
AIMAN KHANUM	S2003307
AISHWARYA M	S2003311
ANUSHA CG	S2003330
ARSHIYA S	S2003340
MEHTAB BANU	S2003429
SANIYA N	S1703486

Under the guidance of

FACULTIES

Department of Zoology

D V S College of Arts & Science

Shivamogga-577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify the project entitled **PREVALENCE OF DIABETES.**
Submitted in partial fulfilment of requirements for the degree of BACHELOR OF
SCIENCE [BSc, CBZ] in DEPARTMENT OF ZOOLOGY, DVS college of Arts and
Science, Shivamogga, affiliated to KUVEMPU UNIVERSITY is a bonafied record of
project work done by **AFFEEFA KOUNAIN [S2003306], AIMAN KHANUM
[S2003307], AISHWARYA M [S2003311], ANUSHA C G [S2003330],
ARSHIYA S [S2003340] MENTAB BANU [S2003429], SANIYA N [S1703486]**
during the period of study 2022-2023 in the department of zoology under the
guidance and supervision of faculties of the department and has not previously formed
for the award of any degree.

Guidance

Prof. N Kumaraswamy

 27-04-23

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

1. 

2.

Department of Zoology
D V S college of Arts and Science
Shivamogga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

A Project Report on

**“A STUDY OF BIOLOGY AND BEHAVIORAL
CHANGES OF ROTIFERS”**

Submitted to the Department of Zoology
DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA
for the partial fulfillment of the requirement for the

BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

BHOOMIKA K S	S2003350
CHANDAN S	S2003360
DEEPAK R	S2003376
DEEPASHREE H R	S2003377
DEEPIKA B K	S2003563
DHANYASHREE NARAYAN	S2003380
K M P PREETHI	S2003544

Under the guidance of

FACULTIES

Department of Zoology
DVS College of Arts, Science & Commerce.
Shivamogga-577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE AND COMMERCE
SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **“A STUDY OF BIOLOGY AND BEHAVIORAL CHANGES OF ROTIFERS”** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc. CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts, Science And Commerce, Shivamogga affiliated to KUVEMPU UNIVERSITY is a bonafide record of project work done by **BHOOMIKA K S (S2003350), CHANDAN S (S2003360), DEEPAK R (S2003376), DEEPASHREE H R (S2003377), DEEPIKA B K (S2003563), DHANYASHREE NARAYAN (S2003380), K M P PREETHI (S2003544)** during the period of study 2022-2023 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

1.

2.

Department of Zoology
D V S college of Arts, Science And Commerce
Shivamogga-577201



KUVEMPUNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

A Project Report on

**“A STUDY ON BIOLOGY AND CULTURING
OF PARAMECIUM”**

Submitted to the Department of Zoology
DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA
for the partial fulfillment of the requirement for the

BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

APARNA. V. R	S2003333
ARUNDHATHI, R	S2003341
ASHA. A	S2007524
KAVANA. K. M	S2003397
KAVYA. K. M	S2003399
MANASA. A. M	S2003546
SOWMYA. C. P	S1903488

Under the guidance of

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Department of Zoology
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Shivamogga-577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY




DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **A STUDY ON BIOLOGY AND CULTURING OF PARAMECIUM** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc. CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts and Science Shivamogga affiliated to KUVEMPU UNIVERSITY is a bonafide record of project work done by **APARNA.V.R. (S2003339), ARUNDHATHI.R (S2003341), ASHA.A (S2007524), KAVANA.K.M (S2003397), KAVYA.K.M (S2003399), MANASA.A.M (S2003546), SOWMYA.C.P (S1903488)** during the period of study 2022-2023 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

 - N 27-04-23

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

1. 

2.

Department of Zoology
D V S college of Arts and Science
Shivamogga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

A Project Report on

TOXICITY EFFECTS AND HEMATOLOGICAL RESPONSE
OF *Clarias gariepinus* (AFRICAN CATFISH) TO LONG TERM
EXPOSURE TO GLYPHOSATE HERBICIDES

Submitted to the Department of Zoology
DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA
for the partial fulfillment of the requirement for the
BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

CHANDRUSHEKAR H R	S1903344
MURALI M	S2003432
PRUTHVI KUMAR P	S2003551
SANDEEP N R	S2003484
SHARATH KUMAR S D	S2003493
SHASHANK U BANGARA	S2003495
YASHAVANTH A S	S2003536

Under the guidance of

FACULTIES

Department of Zoology
DVS College of Arts & Science
Shivamogga-577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **TOXICITY EFFECTS AND HEMATOLOGICAL RESPONSE OF *Clarias gariepinus* (AFRICAN CATFISH) TO LONG TERM EXPOSURE TO GLYPHOSATE HERBICIDES** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc.CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts and Science Shivamogga affiliated to KUVEMPU UNIVERSITY is a bonafide record of project work done by **MR. CHANDRUSHEKAR H R (S1903344), MURALI M (S2003432), PRUTHVI KUMAR P (S2003551), SANDEEP N R (S2003484), SHARATH KUMAR S D (S2003493), SHASHANK U BANGARA (S2003495), YASHAVANTH A S (S2003536)**, during the period of study 2022-23 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

1.

2.

Department of Zoology
D V S college of Arts and Science
Shivamogga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

A Project Report on

A STUDY ON SPIDER DIVERSITY AND WEB DESIGN IN GANDHI PARK, SHIMOGA

Submitted to the Department of Zoology

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA

for the partial fulfillment of the requirement for the

BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

NAGARAJ T M	S2003434
S GAYANA	S2003474
SANCHITHA A J	S2003482
SHRIPRIYA S SAPARE	S2003510
SURAJ G H	S2003515
THANUSHREE A S	S2003521

Under the guidance of

FACULTIES

Department of Zoology
DVS College of Arts & Science
Shivamogga-577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **A STUDY ON SPIDER DIVERSITY AND WEB DESIGN IN GANDHI PARK, SHIMOGA** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc. CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts and Science Shivamogga affiliated to KUVEMPU UNIVERSITY is a bonafide record of project work done by **NAGARAJ T M (S2003434), S GAYANA (S2003474), SANCHITHA A J (S2003482), SHRIPRIYA S SAPARE (S2003510), SURAJ G H (S2003515) THANUSHREE A S (S2003521)** during the period of study 2022-2023 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

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Department of Zoology
D V S college of Arts and Science
Shivamogga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

A Project Report on

**“A STUDY ON CROP PEST AND THEIR
MANAGEMENT”**

Submitted to the Department of Zoology
DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA
for the partial fulfillment of the requirement for the

BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

NISARGAM P	S2003444
NISHA G K	S2004831
PAVAN KUMAR M C	S2003449
SANIYA TABASSUM	S2003487
SHAZAIN MURSALEEN BEGUM	S2003556
SRIMANTH R	S2003509
VISHWANATHA S	S2003532

Under the guidance of

FACULTIES

Department of Zoology
DVS College of Arts & Science
Shivamogga-577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **“A STUDY ON CROP PEST AND THEIR MANAGEMENT”** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc. CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts and Science Shivamogga affiliated to KUVEMPU UNIVERSITY is a bonafide record of project work done by **NISARGA.M.P (S2003444), NISHA.G.K (S2004831), PAVAN KUMAR .M. C (S2003449), SANIYA TABASSUM (S2003487), SHAZAIN MURSALEEN BEGUM (S2003556), SRIMANTH.R (S2003509), VISHWANATHA.S (S2003532)** during the period of study 2022-2023 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

1.

2.

Department of Zoology
D V S college of Arts and Science
Shivamogga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

A Project Report on

**“A STUDY ON BIODIVERSITY OF INSECTS IN
GANDHI PARK”**

Submitted to the Department of Zoology
DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA
for the partial fulfillment of the requirement for the
BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

BHARATHI. C.M	S2003345
CHANDANA. H.S	S2003364
HONGIRANA. M	S2003542
LATHA. A.Y	S2003412
MADEEHA. N	S2003416
MAHIMA SAROOP. K	S2003419
SPOORTHI. M	S2003557

Under the guidance of

FACULTIES

Department of Zoology
DVS College of Arts & Science
Shivamogga-577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **“A STUDY On BIODIVERSITY OF INSECTS IN GANDHI PARK”** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc. CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts and Science Shivamogga affiliated to KUVEMPU UNIVERSITY is a bonafide record of project work done by **BHARATH. C.M (S2003345), CHANDANA. H.S (S2003364), HONGIRANA. M (S2003542), LATHA. A.Y (S2003412), MADEEHA. N (S2003416), MAHIMA SAROOP. K (S2003419), SPOORTHI. M (S2003557)** during the period of study 2022-2023 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

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Department of Zoology
D V S college of Arts and Science
Shivamogga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE

SHIVAMOGGA-577201

A Project Report on

**“A COMPARATIVE STUDY ON PCOD IN R
URAL AND URBAN AREAS”**

Submitted to the Department of Zoology

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA

for the partial fulfillment of the requirement for the

BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

SOUNDARYA. S	S2003506
SPOORTHIL H.M	S2003508
SRILAKSHMI. K.N	S2003558
SWATHI. D.S	S2003517
VARSHA. H.M	S2003525
VARSHINI. J.R	S2003526
YASHASWINI. B.S	S2003535

Under the guidance of

FACULTIES

Department of Zoology
DVS College of Arts & Science
Shivamogga - 577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **“A COMPARATIVE STUDY ON PCOD IN RURAL AND URBAN AREAS”** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc. CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts and Science Shivamogga affiliated to KUVEMPU UNIVERSITY is a bonafide record of project work done by **SOUNDARYA. S (S2003506), SPOORTHY. H.M (S2003508), SRILAKSHMI. K.N (S2003558), SWATHI. D.S (S2003517), VARSHA. H.M (S2003525), VARSHINI. J.R (S2003526), YASHASWINI. B.S (S2003535)** during the period of study 2022-2023 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

1.

2.

Department of Zoology
D V S college of Arts and Science
Shivamogga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

A Project Report on

**A STUDY ON LUMPY SKIN DISEASE IN
DIFFERENT TALUKS OF SHIMOGA DISTRICT**

Submitted to the Department of Zoology

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA

for the partial fulfillment of the requirement for the

BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

NANDITHA M S2003436

SOUJANYA S S2003503

SOUMYA H R S2003504

SOWMYASHREE G T S2003507

SUCHITHRA M G S2003511

VAISHNAVI A S S2003523

VINUTHA B C S2003531

Under the guidance of

FACULTIES

Department of Zoology
DV S College of Arts & Science
Shivamogga - 577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **A STUDY ON LUMPY SKIN DISEASE IN DIFFERENT TALUK OF SHIMOGA DISTRICT** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc.CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts and Science Shimoga affiliated to KUVEMPU UNIVERSITY is a bonafide record of project work done by **NANDITHA M (S2003436), SOUJANYA S (S2003503), SOUMYA H R (S2003504), SOWMYASHREE G T (S2003507), SUCHITHRA M G (S2003511), VAISHNAVI A S (S2003523)** and **VINUTHA B C (S2003531)** during the period of study 2022-2023 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

1.

2.

Department of Zoology
D V S college of Arts and Science
Shivamogga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

A Project Report on

**“TREE MICROHABITAT STRUCTURE AS
INDICATORS OF BIODIVERSITY”**

Submitted to the Department of Zoology
DVS COLLEGE OF ARTS, SCIENCE & COMMERCE SHIVAMOGGA
for the partial fulfillment of the requirement for the
BACHELOR OF SCIENCE (BSc. CBZ)

Submitted by

ABHISHEK B M	S2003301
ADARSH S	S2003304
ADITHYAN V NAIK	S2003305
ALWIN MALEX	S2003319
KIRAN G R	S2003404
KUMAR BABU V	S2003545

Under the guidance of

FACULTIES

Department of Zoology
D V S College of Arts & Science
Shivamogga-577201

2022-2023



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **“TREE MICROHABITAT STRUCTURE AS INDICATORS OF BIODIVERSITY”** submitted in partial fulfillment of the requirements for the degree of BACHELOR OF SCIENCE (BSc.CBZ) in DEPARTMENT OF ZOOLOGY, D.V.S College of Arts and Science Shivamogga affiliated to KUVEMPUUNIVERSITY is a bonafide record of project work done by **ABHISHEK BM (S2003301), ADARSH S (S2003304), ADITHYA V NAIK (S2003305), ALWIN M ALEX (S2003319), KIRAN G R (S2003404) KUMAR BABU V (S2003545)** during the period of study 2021-2022 in the Department of Zoology under the guidance and supervision of faculties of the department and has not previously formed for the award of any degree.

Guidance

Prof. N Kumaraswamy

Prof. Pruthvi K J

Prof. Mangala D.H

Examiners

1.

2.

Department of Zoology
D V S college of Arts and Science
Shivamogga-577201

KUVEMPU UNIVERSITY

DV'S COLLEGE OF ARTS & SCIENCE, SHIMOGA-577 201



DEPARTMENT OF BOTANY

A Project Report on
**“Study of Morphological, Nutritional and Medicinal
Importance of Star Fruit (*Averrhoa carambola* L.)- an
Underutilized Fruit”**

Submitted by

Miss. ARSHIYA S	Reg. Number: S2003340
Miss. KAVYA K. M	Reg. Number: S2003399
Miss. LATHA A.Y	Reg. Number: S2003412
Mr. SURAJ G. H	Reg. Number: S2003515
Miss. K.M.P PREETHI	Reg. Number: S2003544
Miss. NISHA G. K	Reg. Number: S2004831

**In the partial fulfilment for the award of
BACHELOR OF SCIENCE IN BOTANY**

Kuvempu University

Under the supervision of

Mr. Shrinivas Lamani M. Sc., NET., (Ph. D.)

Department of Botany

D V S College of Arts & Science, Shimoga- 577201

2022-23

Certificate

This is to certify that project entitled “Study of Morphological, Nutritional and Medicinal Importance of Star Fruit (*Averrhoa carambola* L.)- an Underutilized Fruit” carried out by ARSHIYA S (Register No.: S2003340), KAVYA K. M (Reg. Number S2003399), LATHA A. Y (Reg. Number: S2003412), SURAJ G. H (Reg. Number: S2003515), K.M.P PREETHI (Reg. Number: S2003544), NISHA G. K (Reg. Number: S2004831) and submitted as partial fulfilment for completion of Botany VI Semester and award of Bachelor of Science prescribed by KuvempuUniversity, for the academic year 2022-23

This project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.



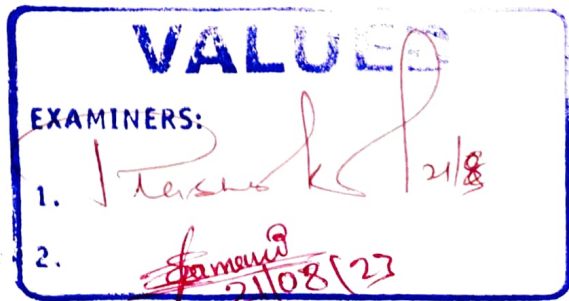
Mr. Sudhakara H.N. M. Sc., M.Phil.
Head
Department of Botany
D V S College of Arts and Science
Shimoga-577201



Dr. M. Venkatesh. M.A., Ph. D.
Principal
D V S College of Arts and Science
Shimoga-577201

Place: Shivamogga

Date: 19/08/2023



KUVEMPU UNIVERSITY

DVS COLLEGE OF ARTS AND SCIENCE

Shimoga - 577 201



DEPARTMENT OF BOTANY

PROJECT

**“ Identification and Documentation of Few
Flora in the Campus Of DVS ” – A Field study**

Submitted

By

**ABHISHEK BM(S2003301), DEEPAK R (S2003376),
MAHIMA SAROOP K(S2003419), MANASA A M
(S2003546), SHASHANK U BANGARA (S2003495),
THANUSHRI AS (S2003521)**

**In partial fulfillment for the award of Bachelor of Science
(CBZ)**

**Kuvempu University
Academic year 2022-2023.**

GUIDE

Dr. H.V.ANIL KUMAR. M.Sc.,(seri), PhD.FZSI

Associate Professor of Sericulture

Department of Environmental Science & Laboratory of Applied Biological Science.

DVS. College of arts and science

SHIVAMOGGA – 577201

Certificate

This is to certify that project entitled "Identification and Documentation of Few Flora in the Campus of DVS" - A Field study carried out by ABHISHEK B M (S2003301), DEEPAK R (S2003376), MAHIMA SAROOP K (S2003419), MANASA A M (S2003546), SHASHANK U BANGARA (S2003495), THANUSHRI A S (S2003521) and submitted as partial fulfillment for completion of VI semester and award of Bachelor of Science (CBZ) from Kuvempu University, for the academic year 2022-2023.

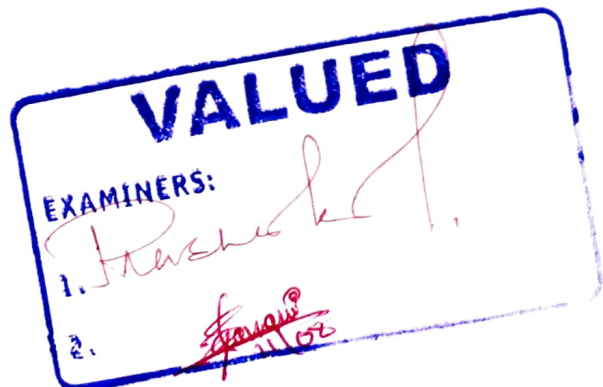
The project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.

H. V. S.

PRINCIPAL

DVS College of Arts & Science,
Shivamogga.

Date
Place:



KUVEMPUR UNIVERSITY

DVS COLLEGE OF ARTS AND SCIENCE

Shimoga - 577 201



DEPARTMENT OF BOTANY

PROJECT

“Plant Propagation – Studies on Vegetative Propagation Techniques”

Submitted
By

ALWIN M ALEX (S2003319), ASHA A (S2007524), DHANYASHREE
NARAYAN (S2003380), PAVAN KUMAR MC (S2003449),
SRIMANTH R (S2003509), YASHASWINI B S (S2003535)

In partial fulfillment for the award of Bachelor of Science
(CBZ)

Kuvempu University
Academic year 2022-2023.

GUIDE

Dr. H.V.ANIL KUMAR. M.Sc.,(seri),PhD.FZSI

Associate Professor of sericulture

Department of Environmental Science & Laboratory of Applied Biological Science.

DVS. College of arts and science

SHIVAMOGGA – 577201

Certificate

This is to certify that project entitled "Plant Propagation - Studies on Vegetative Propagation Techniques" carried out by ALWIN M ALEX (S2003319), ASHA A (S2007524), DHANYASHREE NARAYAN (S2003380), PAVAN KUMAR MC (S2003449), SRIMANTH R (S2003509), YASHASWINI BS (S2003535) and submitted as partial fulfillment for completion of VI semester and award of Bachelor of Science (CBZ) from Kuvempu University, for the academic year 2022-2023.

The project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.

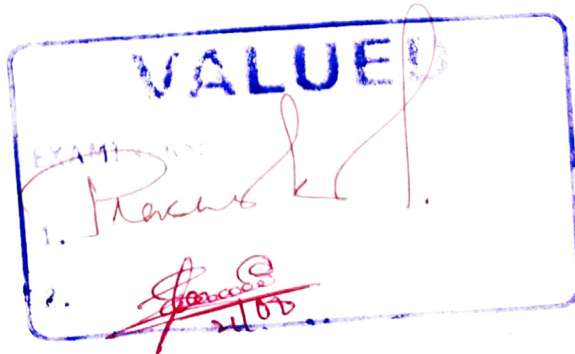
H. V. Lakshmi

PRINCIPAL

DVS College of Arts & Science,
Shivamogga.

Date 20/8/23

Place: Shivamogga



KUVEMPU UNIVERSITY

DV'S COLLEGE OF ARTS & SCIENCE, SHIMOGA-577201



DEPARTMENT OF BOTANY

A Project Report on
**“Study of Cultivation of Oyster Mushroom and Their
Diseases”**

Submitted by

Mr. ADITHYA V NAIK	Reg. Number: S2003305
Mr. BHARATH C M	Reg. Number: S2003345
Mr. CHANDAN S	Reg. Number: S2003360
Mr. MURALI M	Reg. Number: S2003432
Miss. SOUMYA H R	Reg. Number: S2003504
Miss. VARSHA H M	Reg. Number: S2003525
Miss. SHAZAIN MURSALEEN BEGUM	Reg. Number: S2003556

**In the partial fulfilment for the award of
BACHELOR OF SCIENCE IN BOTANY**

Kuvempu University

Under the supervision of

Mr. Sudhakara H.N. M. Sc., M.Phil.

Department of Botany

D V S College of Arts & Science, Shimoga- 577201

2022-23

Certificate

This is to certify that project entitled "Study of Cultivation of Oyster Mushroom and Their Diseases" carried out by **ADITHYA V NAIK** (Reg. Number: S2003305), **BHARATH C M** (Reg. Number: S2003345), **CHANDAN S** (Reg. Number: S2003360), **MURALI M** (Reg. Number: S2003432), **SOUMYA H R** (Reg. Number: S2003504), **VARSHA H M** (Reg. Number: S2003525), **SHAZAIN MURSALEES BEGUM** (Reg. Number: S2003556) and submitted as partial fulfilment for completion of Botany VI semester and award of Bachelor of Science prescribed by Kuvempu University, for the academic year 2022-23.

This project or any part of it has not been previously submitted for award of any other degree, diploma or similar title project work.

Project Supervisor

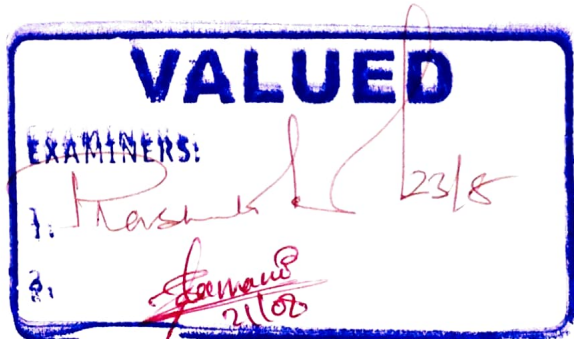
Mr. Sudhakara H.N. M. Sc., M.Phil.

Department of Botany

DVS College of Arts and Science, Shimoga

Place: Shivamogga

Date:



KUVEMPU UNIVERSITY

DVS COLLEGE OF ARTS & SCIENCE, SHIMOGA-577 201



DEPARTMENT OF BOTANY

A Project Report on

**“The Study of Cultivation Methods and Disease
Management of Maize in Ayanur”**

**In the partial fulfilment for the award of
BACHELOR OF SCIENCE IN BOTANY**

Kuvempu University

Submitted by

Mrs. SANIYA N	Reg. Number: S1703486
Miss. ARUNDATHI R	Reg. Number: S2003341
Miss. MADEEHA N	Reg. Number: S2003416
Miss. SANIYA TABASSUM	Reg. Number: S2003487
Miss. SWATHI D. S	Reg. Number: S2003517
Mr. KUMAR BABU. V	Reg. Number: S2003545

Under the supervision of

Prof. Sudhakara H. N, M. Sc., M. Phil

Department of Botany

D V S College of Arts & Science, Shimoga- 577201

2022-23

CERTIFICATE

This is to certify that project entitled "The Study of Cultivation Methods and Disease Management of Maize in Ayanur" carried out by SANIYA N (Reg. Number: S1703486), ARUNDATHI R (Reg. Number: S2003341), MADEEHA N (Reg. Number: S2003416), SANIYA TABASSUM (Reg. Number: S2003487), SWATHI D. S (Reg. Number: S2003517), KUMAR BABU. V (Reg. Number: S2003545) and submitted as partial fulfilment for completion of Botany VI Semester and award of Bachelor of Science prescribed by Kuvempu University, for the academic year 2022-23.

This project or any part of it has not been previously submitted for award of any other degree, diploma or similar title project work.



Project Supervisor

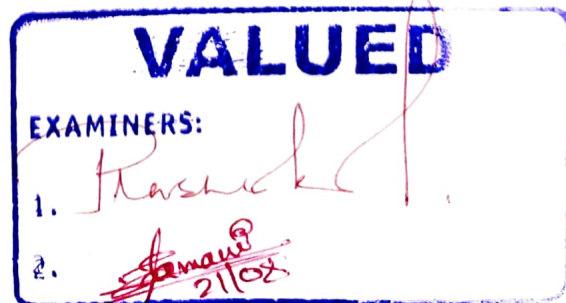
Prof. Sudhakara H N, M. Sc., M. Phil,

Department of Botany

DVS College of Arts and Science, Shimoga

Place: Shivamogga

Date: 21-08-2023



KUVEMPU UNIVERSITY

DV'S COLLEGE OF ARTS & SCIENCE, SHIMOGA-577 201



DEPARTMENT OF BOTANY

A Project Report on

**“Detailed study on Timber Gum Oil and Latex
Yielding plants of Umblebailu Reserve Forest
Umblebailu Shivamogga”**

Submitted by

Miss. AIMAN KHANUM	Reg. Number: S2003307
Miss. NANDITHA M	Reg. Number: S2003436
Mr. SHARATHKUMAR S D	Reg. Number: S2003493
Miss. SOWMYASHREE G T	Reg. Number: S2003507
Miss. VINUTHA B C	Reg. Number: S2003531
Miss. SRILAKSHMI K N	Reg. Number: S2003558

**In the partial fulfilment for the award of
BACHELOR OF SCIENCE IN BOTANY
Kuvempu University**

Under the supervision of

Mr. Shrinivas Lamani M. Sc., NET., (Ph. D.)

Department of Botany

D V S College of Arts & Science, Shimoga- 577201

2022-23

Certificate

This is to certify that project entitled “Detailed study on Timber, Gum, Oil and Latex yielding plants of Umblebailu reserve forest, Umblebailu, Shivamogga” carried out by **AIMAN KHANUM** (Register No.: S2003307), **NANDITHA M** (Reg. Number S2003436), **SHARATHKUMAR S D** (Reg. Number: S2003493), **SOWMYASHREE G T** (Reg. Number: S2003507), **VINUTHA B C** (Reg. Number: S2003531), **SRILAKSHMI K N** (Reg. Number: S2003558) and submitted as partial fulfilment for completion of Botany VI Semester and award of Bachelor of Science prescribed by Kuvempu University, for the academic year 2022-23

This project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.

Mr. Sudhakara H.N. M. Sc., M.Phil.
Head
Department of Botany
D V S College of Arts and Science
Shimoga-577201

Dr. M. Venkatesh. M.A., Ph. D.
Principal
D V S College of Arts and Science
Shimoga-577201

Place: Shivamogga

Date:



KUVEMPU UNIVERSITY

DV'S COLLEGE OF ARTS & SCIENCE, SHIMOGA-577 201



DEPARTMENT OF BOTANY

A Project Report on

“Survey on Medicinal Plants of Avinahalli Reserve Forest and Health Benefits of Phytochemicals”

**In the partial fulfilment for the award of
BACHELOR OF SCIENCE IN BOTANY
Kuvempu University**

Submitted by

Mr. ADARSH S	Reg. Number: S2003304
Miss. BHOOMIKA K S	Reg. Number: S2003350
Miss. MEHTAB BANU	Reg. Number: S2003429
Miss. SOUJANYA S	Reg. Number: S2003503
Miss. VAISHNAVI A S	Reg. Number: S2003523
Mr. PRUTHVI KUMAR P	Reg. Number: S2003551

Under the Supervision of

Mr. Shrinivas Lamani M. Sc., NET., (Ph. D.)

Department of Botany

D V S College of Arts & Science, Shimoga- 577201

2022-23

Certificate

This is to certify that project entitled “Survey on Medicinal Plants of Avinahalli Reserve Forest and Health Benefits of Phytochemicals” carried out by ADARSH S (Reg. No: S2003304), BHOOMIKA K S (Reg. Number: S2003350), MEHTAB BANU (Reg. Number: S2003429), SOUJANYA S (Reg. Number: S2003503), VAISHNAVI A S (Reg. Number: S2003523), PRUTHVI KUMAR P (Reg. Number: S2003551), and submitted as partial fulfilment for completion of Botany VI Semester and award of Bachelor of Science prescribed by Kuvempu University, for the academic year 2022-23

This project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.



Mr. Sudhakara H.N. M. Sc., M.Phil.

Head

Department of Botany
D V S College of Arts and Science
Shimoga- 577 201



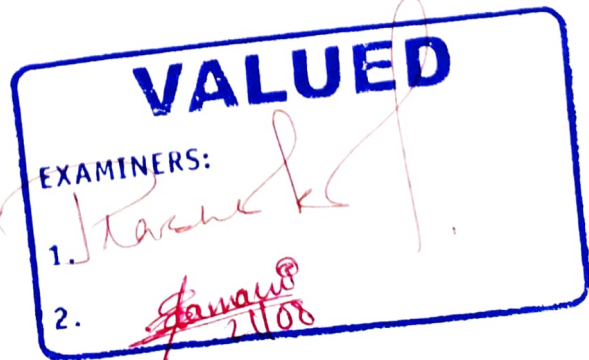
Dr. M. Venkatesh. M.A., Ph. D.

Principal

D V S College of Arts and Science
Shimoga- 577201

Place: Shivamogga

Date:



KUVEMPU UNIVERSITY

DVS COLLEGE OF ARTS AND SCIENCE

Shimoga - 577 201



DEPARTMENT OF BOTANY

PROJECT

**“Survey on Timber yielding Trees in the Vicinities
(Tyavarekoppa) of Shimoga City” – A Field study**

Submitted

By

**AFEEFA KOUNAIN(S2003306), CHANDANA.H S(S2003364),
NAGARAJ.T M(S2003434), SPOORTHI.M(S2003557),
SOUNDARYA.S(S2003506), VARSHINI.J R(S2003526)**

**In partial fulfillment for the award of Bachelor of Science
(CBZ)**

**Kuvempu University
Academic year 2022-2023.**

GUIDE

Dr. H.V.ANIL KUMAR. M.Sc.,(seri),PhD.fzst

Associate Professor of sericulture

Department of Environmental Science & Laboratory of Applied Biological Science.


DVS. College of arts and science

SHIVAMOGGA – 577201

Certificate

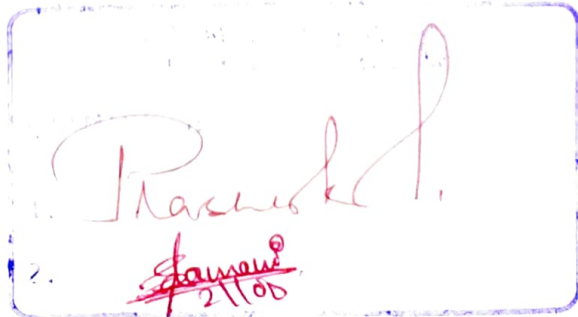
This is to certify that project "Survey On Timber Yielding Trees In The Vicinities (Tyaverekoppa) Of Shimoga" City- A Field Study. carried out by AFEefa KOUNAIN (S2003306), CHANDANA H S (S2003364), NAGARAJ T M (S2003434), SPOORTHI M (S2003557), SOUNDARYA S (S2003506), VARSHINI J R (S2003526) and submitted as partial fulfillment for completion of VI semester and award of Bachelor of Science (CBZ) from Kuvempu University, for the academic year 2022-2023.

The project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.


(For) **PRINCIPAL**
DVS College of Arts & Science,
Shivamogga.

Date 21/08/2023

Place: Shivamogga.


21/08/2023

KUVEMPU UNIVERSITY

DV'S COLLEGE OF ARTS & SCIENCE, SHIMOGA-577 201



DEPARTMENT OF BOTANY

A Project Report on
**“Study of Wild Underutilized Fruits of Theertha
Rameshwara Daivivana and Their Importance”**

In the partial fulfilment for the award of
BACHELOR OF SCIENCE IN BOTANY

Kuvempu University

Submitted by

Miss. AISHWARYA M	Reg. Number: S2003311
Miss. DEEPASHREE H. R	Reg. Number: S2003377
Miss. NISARGA M. P	Reg. Number: S2003444
Miss. SPOORTHI H. M	Reg. Number: S2003508
Mr. VISHWANATHA S	Reg. Number: S2003532
Miss. DEEPIKA B. K	Reg. Number: S2003563

Under the supervision of

Mr. Shrinivas Lamani M. Sc., NET., (Ph. D.)

Department of Botany

D V S College of Arts & Science, Shimoga- 577201

2022-23

Certificate

This is to certify that project entitled "Study of Wild Underutilized Fruits of Theertha Rameshwara Daivivana and Their Importance" carried out by Aishwarya M (Register No: S2003311), Deepashree H. R (Reg. Number: S2003377), Nisarga M. P (Reg. Number: S2003444), Spoorthi H. M (Reg. Number: S2003508), Vishwanatha S (Reg. Number: S2003532), Deepika B. K (Reg. Number: S2003563), and submitted as partial fulfilment for completion of Botany VI Semester and award of Bachelor of Science prescribed by Kuvempu University, for the academic year 2022-23

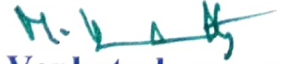
This project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.



Prof. Sudhakara H.N. M. Sc., M.Phil.

Head

Department of Botany
D V S College of Arts and Science
Shimoga-577201



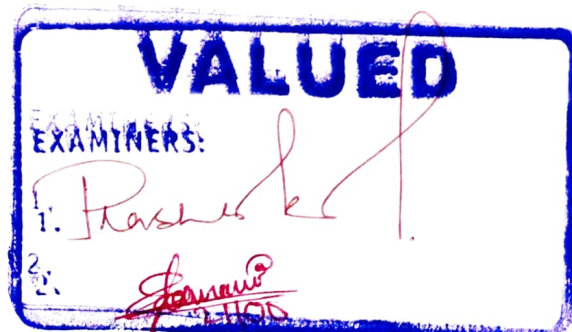
Dr. M. Venkatesh. M.A., Ph. D.

Principal

D V S College of Arts and Science
Shimoga-577201

Place: Shivamogga

Date: 20/8/23



KUVEMPU UNIVERSITY

DVS COLLEGE OF ARTS AND SCIENCE

Shimoga - 577 201



DEPARTMENT OF BOTANY

PROJECT

*“The diseases of Sugarcane (*Saccharum officinarum*) in the vicinity of four taluks in Shimoga District” – A field study.*

Submitted

By

**Anusha C G (S2003330), Chandrashekar H R (S1903344), Kavana K M (S2003397),
S Gayana (S2003474), Shripriya S Sapare (S2003510), Yashavanth A S (S2003536)**

**In partial fulfillment for the award of Bachelor of Science
(CBZ)**

**Kuvempu University
Academic year 2022-2023.**

GUIDE

Dr. H.V.ANIL KUMAR. M.Sc.,(seri),PhD.FZSI

Associate Professor of sericulture

Department of Environmental Science & Laboratory of Applied Biological Science.

DVS. College of arts and science

SHIVAMOGGA – 577201

Certificate

This is to certify that project entitled "The diseases of Sugarcane (*Saccharum officinarum*) in the vicinity of four taluks in Shimoga District" - A field study. carried out by Anusha C G (S2003330), Chandrashekar H R (S1903344), Kavana K M (S2003397), S Gayana (S2003474), Shripriya S Sapare (S2003510), Yashavanth A S (S2003536) and submitted as partial fulfillment for completion of VI semester and award of Bachelor of Science (CBZ) from Kuvempu University, for the academic year 2022-2023.

The project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.



Mr. Sudhakar, M.Sc., M.Phil.,
HOD of Botany
DVS College of Arts & Science,
Shivamogga

Date: 21/08/2023
Shivamogga.



KUVEMPU UNIVERSITY

DV'S COLLEGE OF ARTS & SCIENCE, SHIMOGA-577 201



DEPARTMENT OF BOTANY

A Project Report on
“Study on Products of Noni (*Morinda citrifolia* L.)”

In the partial fulfilment for the award of
BACHELOR OF SCIENCE IN BOTANY

Kuvempu University

Submitted by

Miss. SOWMYA C. P	(Reg. Number: S1903488)
Miss. APARNA V. R	(Reg. Number: S2003333)
Mr. KIRAN G. R	(Reg. Number: S2003404)
Miss. SANCHITHA A. J	(Reg. Number: S2003482)
Miss. SUCHITHRA M. G	(Reg. Number: S2003511)
Miss. HONGIRANA M	(Reg. Number: S2003542)

Under the supervision of

Prof. SUDHAKARA H. N. M. Sc., M. Phil

Department of Botany

D V S College of Arts & Science, Shimoga- 577201

2022-23

Certificate

This is to certify that project entitled “Study on Products of Noni (*Morinda citrifolia* L.)” carried out by SOWMYA C. P (Reg. Number: S1903488), APARNA V. R (Reg. Number: S2003333), KIRAN G. R (Reg. Number: S2003404), SANCHITHA A. J (Reg. Number: S2003482), SUCHITHRA M. G (Reg. Number: S2003511), HONGIRANA M. (Reg. Number: S2003542), and submitted as partial fulfilment for completion of Botany VI Semester and award of Bachelor of Science prescribed by Kuvempu University, for the academic year 2022-23

This project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work, prescribed for the award of above said degree.



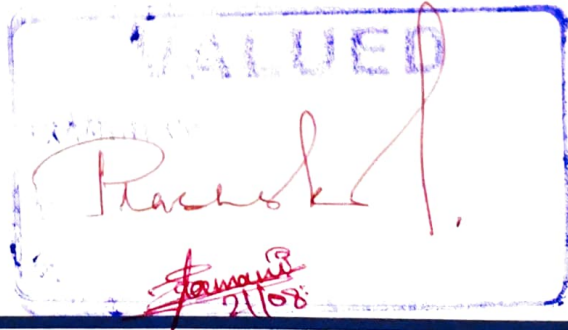
Prof. Sudhakara H.N. M. Sc., M.Phil.
Head
Department of Botany
D V S College of Arts and Science
Shimoga-577201



Dr. M. Venkatesh. M.A., Ph. D.
Principal
D V S College of Arts and Science
Shimoga-577201

Place: Shivamogga

Date:



DVS College of Arts and Science,

Shimoga



CERTIFICATE

This is to certify that the project work entitled “**ONLINE BLIND BANKING SYSTEM**” carried out by ANANYA BHAT S - S2003323, RAKSHITHA G – S2003465, SANCHITHA JOIS H – S2003483, VINDHYA H G – S2003530 in partial fulfillment for the award of degree of Bachelor of Science (B.Sc.,) KUVEMPU UNIVERSITY, during the year 2022-2023. The project has been duly approved and certified, as it satisfies the academic requirements in respect of the project work prescribed for the award of said degree.

Guide

Mr. Syed Asim K M.Sc.

Assistant Professor

Dept. of Computer Science

DVS College of Arts and Science

Shimoga - 577201

Head of the Department

Mrs. Nethravathi H M.Tech, M.Phil

Head of the Department

Dept. of Computer Science

DVS College of Arts and Science

Shimoga - 577201

Head department of Computer Science

D. V. S. College of Arts & Science

Shimoga - 577 201,

Department of Computer Science
D. V. S. College of Arts & Science

Examiners

VALUED

Examiners :

1)

2)

Signature

.....

.....

23/01/23

DVS College of Arts and Science, Shimoga



CERTIFICATE

This is to certify that the project work entitled "WEATHER MONITORING SYSTEM" carried out by CHETHAN C, S2003371, PRAJWAL M K, S2003453, SHARATH KUMAR R, S2003492, in partial fulfilment for the awards of degree of **Bachelor of Science (BSc), KUVEMPU UNIVERSITY**, during the year 2022-2023. The project has been duly approved and certified, as it satisfies the academic requirement in respect of the project work prescribed for the award of said degree.

Guide

Mr Syed Asim K

Assistant Professor

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Head of Department

Mrs. Nethravathi H

Head of the Department

Department of computer science
DVS college of Arts and Science
Shimoga-577201

Head department of Computer Science

V. S. College of Arts & Science

Shimoga - 577 201,

Signature

Department Name
Department of Computer Science
D. V. S. College of Arts & Science

1)

VALUED

2) Examiners:

1)

2)

Date 28/8/23



CERTIFICATE

This is to certify that the project work entitled
“FLORICULTURE MANAGEMENT”

carried out by **Archana S, S2003336, Sinchana KN, S2003499, Rakshitha RR , S2003466, Tejaswini B, S2003520**, in partial fulfilment for the awards of degree of **Bachelor of Science (BSc), KUVEMPU UNIVERSITY**, during the year 2022-2023. The project has been duly approved and certified, as it satisfies the academic requirement in respect of the project work prescribed for the award of said degree.

Guide

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Mrs. Nethravathi H

Head of the Department
Department of computer science
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Shimoga-577201

Examiners Name

1)

2)

23/8/23

Signature

.....

.....

DVS College of Arts and Science, Shimoga



CERTIFICATE

This is to certify that the project work entitled “URBAN SERVICES FOR URBAN PEOPLE” carried out by Aishwarya K, S2003310, Muktha S.K, S2003431, Preethi S, S2003456, Priyanka B. S, S2003457, Sahana K.S,S2003480 ,in partial fulfilment for the awards of degree of Bachelor of Science (BSc), KUVEMPU UNIVERSITY, during the year 2022-2023. The project has been duly approved and certified, as it satisfies the academic requirement in respect of the project work prescribed for the award of said degree.

Guide

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Head of the Department
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Shimoga-577201
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Shimoga - 577 201.

Signature

Department of Computer Science
DVS College of Arts & Science

1) **VALUED**
Examiners:
2) 1)
2)

Date... 22/9/23

DVS College of Arts and Science, Shimoga



CERTIFICATE

This is to certify that the project work entitled “**Crop Prediction Using Machine Learning Algorithm Based on Internet of Things**” carried out by **Agasthya S R, S2003539, Varun Patil S R, S2003527, Darshan G E, S2003374**, in partial fulfilment for the awards of degree of **Bachelor of Science (BSc), KUVEMPU UNIVERSITY**, during the year 2022-2023. The project has been duly approved and certified, as it satisfies the academic requirement in respect of the project work prescribed for the award of said degree.

Guide

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Department of Computer Science

V. S. College of Arts & Science

Shimoga - 577 201.

Signature

Department of Computer Science
D. V. S. College of Arts & Science
Examiners Name

VALUED

1)
Examiners :

2) 1)
.....

Date: 23/8/23

DVS College of Arts and Science, Shimoga



CERTIFICATE

This is to certify that the project work entitled “**Military information System**” carried out by **Chandana B N, S2003361, Ankitha B S2003325, Chethana S Barve S2003372, Pushpalatha A, S2003462**, in partial fulfilment for the awards of degree of **Bachelor of Science (BSc)**, **KUVEMPU UNIVERSITY**, during the year 2021-2022, The project has been duly approved and certified, as it satisfies

The academic requirement in respect of the project work prescribed for the award of said degree.

Guide

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Shimoga - 577 201,

Signature

Department of Computer Science
D. V. S. College of Arts & Science

Examiners Name

VALUED

1) Examiners :

1) -----

2) -----

2) -----

Date 23/8/22

DVS College of Arts and Science, Shimoga



CERTIFICATE

This is to certify that the project work entitled “**MOVIE SUCCESS PREDICTION**” carried out by **AKSHATHA B E S2003318, ANVITHA L S S2003332, BHAVANA R S S2003541, SINCHANA B R S2003498**, in partial fulfilment for the awards of degree of **Bachelor of Science (BSc)**, **KUVEMPU UNIVERSITY**, during the year 2022-2023 The project has been duly approved and certified, as it satisfies.

The academic requirement in respect of the project work prescribed for the award of said degree.

Guide

Mr Syed Asim K

Assistant Professor

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Head of Department

Mrs.Nethravathi H

Head of the Department

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D. V. S. College of Arts & Science

Shimoga - 577 201.

Signature

Department of Computer Science

D. V. S. College of Arts & Science

Examiners Name

VALUED

1)

Examiners :

2) 1)

2)

Date: 25/8/23

DVS College of Arts and Science, Shimoga



CERTIFICATE

This is to certify that the project work entitled “**DOCTOR APPOINTMENT SYSTEM**” carried out by **ANJALI B S2003324, S2003361, BHOOMIKA M N S2003352, SAHANA M S2003481, KAVYA R S2003400**, in partial fulfilment for the awards of degree of **Bachelor of Science (BSc)**, **KUVEMPU UNIVERSITY**, during the year 2022-2023 The project has been duly approved and certified, as it satisfies.

The academic requirement in respect of the project work prescribed for the award of said degree.

Guide

Mr Syed Asim K

Assistant Professor

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Head of the Department

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D. V. S. College of Arts & Science

Shimoga - 577 201,

Signature

Department of Computer Science
D. V. S. College of Arts & Science
Examiners Name

VALUED

1)
Examiners :

2) 1)

2)

Date 23/8/23

DVS College of Arts and Science, Shimoga



CERTIFICATE

This is to certify that the project work entitled “**Online Data Piracy Protection**” carried out by **Pushpa G S S2003461, Sahana B K S2003476, Sahana B K S2003477, Monisha D K S2003430, Soundarya B, S2003505,** in partial fulfilment for the award of degree of **Bachelor of Science (BSc), KUVEMPU UNIVERSITY,** during the year 2022-2023, The project has been duly approved and certified, as it satisfies the academic requirement in respect of the project work prescribed for the award of said degree.

Guide


Mr Syed Asim M.Sc

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Head of Department


Mrs. Nethraathi H M.Phil., M.Tech

Head of the Department

Department of computer science

DVS college of Arts and Science

Head department of Computer Science,
Shimoga-577201

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Shimoga - 577 201.

Department of Computer Science


Examiners Name

D. V. S. College of Arts & Science

1) **VALUED**

2) **Examiners :**

1) 

2) 

Date **23/8/23**

Signature

.....

.....



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled

“Basic Transaction App”

Is a bonafide work carried out by

Mohammad Suhail

Regno BC200438

Mohammad Zaid

Regno BC200439

Syed Mudabbir Ahamed

Regno BC200466

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of Kuvempu University, Shankarghatta, during the year 2022 – 23.

Guide:

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Mrs. Nethravathi M.Tech.MPhil
Head, Dept., of CS
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Shimoga - 577 201,

VALUED
Signature of the examiners

1. Examiners : _____

2. 1) _____ *ans*

2) _____ *R*

Date:

DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shivamogga - 577 201

Deeshiya Vidya Shala ®



CERTIFICATE

This is to certify that the project work entitled

“GREEN LIFE GARDEN”

Is a bonafide work carried out by

ABDUL NASIR	BC200401
NITHISH D	BC200442
P CHETHAN KUMAR	BC200444
PRAMOD N BHAT	BC200445

The student of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Applications of Kuvempu University, Shankarghatta, during the year 2022 – 23.

Guide:

Head of Department

Vaishnavi R

Nethravathi H

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Assistant Professor,
Department of Computer Science
SHIVAMOGGA - 577201
Signature of the Guide

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HOD, Asst Professor
Department of Computer Science
Head department of Computer Science
D. V. S. College of Arts & Science
Shivamogga - 577 201,

Examiners
1. _____
2. 1) _____
2) _____

Date:

Date.. 24/08/23



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled

"AGE DETECTION AND GAS LEAKAGE DETECTION USING ML AND IOT"

Is a bonafide work carried out by

AMRUTHA P	BC200406
ROJA G	BC200452
RAKESH T M	BC200448
ABHISHEK G E	BC200404

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of Kuempu University, Shankarghatta, during the year 2022 - 23.

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HOD:

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Department of Computer Science
D. V. S. College of Arts & Science
Signature of the examiners

VALUED

1. Exam _____

1) *AM* _____

2) _____

2) _____

24/8/23

Date:



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled
"Chatbot Tourist Guide"

Is a bonafide work carried out by

Ananyashree C M	BC200407
Deepthi K	BC200420
Bhavani K	BC200416
Harshitha M Zharapla	BC200423

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of Kuvempu University, Shankarghatta, during the year 2022 - 23.

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Nethravathi H

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Signature of the examiners

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

Date: *21/2/23*

Mrs. Nethravathi H ^{M.Tech, M.Phil}
Head department of Computer Science,
D. V. S. College of Arts & Science
Shimoga - 577 201,

Date:



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled

"Online Beverages E-Commerce System"

Is a bonafide work carried out by

Karthik U Rao

Abdul Raziq

Ram Vilas K S

BC-200425

BC-200402

BC-200450

The student of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Applications of Kuvempu University, Shankarghatta, during the year 2022 - 23.

Guide:

Vaishnavi B

Guide:

Nethravathi -H

Department of Computer Science
Mrs. S. Vaishnavi R. MCA
College of Arts & Science

Asst Professor, Dept. of CS

VALUED

Examiners
Signature of the examiners

1) *[Signature]*

1. *[Signature]*

2) *[Signature]*

2. *[Signature]*

Date... *24/8/23*

Mrs. Nethravathi M.Tech.MPhil

Head, Dept., of CS
Lead department of Computer Science
D. V. S. College of Arts & Science
Shimoga - 577 201,

Date:



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled

“E Healthcare Management System”

Is a bonafide work carried out by

Meena A	BC200433
Varshini Tapsee	BC201743
Ankitha R	BC200447
Sandhya M N	BC200456
Shwetha K	BC200462

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Guide:

Nethravathi H

Nethravathi H

Dept. Nethravathi H
Head, Dept. of CS of Arts & Science

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Signature of the examiners
Examiners :

- 1.) Isla N.S. 24/8/23
- 2.) HA

Date... 24/08/23

Mrs. Nethravathi .H M. Tech. MPhil
Head, Dept., of CS
Head department of Computer Science
B. V. S. College of Arts & Science
Shimoga - 577 201,
Date:



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled
“Veterinary Inventory Management – Online Shopping”

Is a bonafide work carried out by

AKSHATHA P C	BC200405
ANUSHA T M	BC200410
ARPITHA C R	BC200411
SHRIYA GURURAJ HEGDE	BC200461

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Guide:

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Mrs. Nethravathi H M.Tech.MPhil
D.V.S. College of Arts & Science

Asst Professor, Dept. of CS

Signature of the examiners

1. 1) [Signature] NS. 22/08/23

2. 2) [Signature]

Date... 24/08/23

Nethravathi H

Mrs. Nethravathi H M.Tech.MPhil

Head, Dept., of CS

Head department of Computer Science

D. V. S. College of Arts & Science

Shimoga - 577 201

Date: 24/08/23

DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shivamogga - 577 201

Desheeya Vidya Shala ®



CERTIFICATE

This is to certify that the project work entitled

“ONLINE TOLL PLAZA”

Is a bonifide work carried out by

KEERTHI KUMAR R	BC200427
KIRAN R	BC200428
NOOTHAN K P	BC200443
SAMEER AHMED	BC200455

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1) [Signature] 24/8/23

2) [Signature]

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Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled

“Online Grocery Sales And Inventory System”

Is a bonafide work carried out by

Deepika S BC200419

Anu G M BC200409

Arpitha J BC200412

Madhushree B M BC200431

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of Kuvempu University, Shankarghatta, during the year 2022 – 23.

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Asst Professor, **VALUED** Dept. of CS

Head, Dept., of CS
Head Department of Computer Science

Signature of the examiners

D. V. S. College of Arts & Science

1. 1) [Signature] 24/8/23

Shimoga - 577 201,

Date:

2. 2) [Signature]

Date .. 24/08/23

DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shivamogga - 577 201

Desheeya Vidya Shala ®



CERTIFICATE

This is to certify that the project work entitled

“Fitness Portal - A Fitness Website”

Is a bonafide work carried out by

SUPRITH V	BC200465
VINAYAK MAYACHARI	BC200468
SUNIL KUMAR R	BC200464
SANTHOSHACHARI A	BC200459

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Guide:

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Examiners :

- 1) *[Signature]* 24/08/23
- 2) *[Signature]*

Date: *24/08/23*

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Head department of Computer Science
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Shivamogga - 577 201,

Date: 24/08/2023

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Desheeya Vidya Shala ®



CERTIFICATE

This is to certify that the project work entitled

“Fake Product Review and Monitoring”

Is a bonafide work carried out by

AYUB ULLA BAIG

BC200414

AYESHA MEHVEEN

BC200413

The student of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Applications of Kuvempu University, Shankarghatta, during the year 2022 – 23.

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Head department of Computer Science

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1. **VALUED**

Date: 24/08/2023

2. Examiners :

1) [Signature] N.S. 24/8/23

2) [Signature]

Date .. 24/08/23

DeeshiyaVidyaShala®



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

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CERTIFICATE

This is to certify that the project work entitled

“RTO MANAGEMENT SYSTEM”

Is a bonafide work carried out by

KISHOR KUMAR NT	BC200429
SAMARTH NR	BC200454
SANTHOSH KG	BC200458
THIPPESWAMY M	BC200467

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of Kuvempu University, Shankarghatta, during the year 2022 – 23.

Guide:

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Department of Computer Science
Shivamogga 577 201

VALUED

Examiners :

Signature of the examiners

1) *[Signature]* 24/8/23

1. *[Signature]*

2. *[Signature]*

Date: 24/08/23

Date:24/08/2023

DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shivamogga - 577 201

Deeshiya Vidya Shala ®



CERTIFICATE

This is to certify that the project work entitled

"PRE-RESEARCH E-LEARNING FOR SCHOLARS"

Is a bonafide work carried out by

B R RAKSHITHA	BC200415
KAVYA A M	BC200426
MEGHANA D	BC200434
SWATHI M	BC200470

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of Kuvempu University, Shankarghatta, during the year 2022 - 23.

Guide:

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Head of Department

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Head department of Computer Science,
D. V. S. College of Arts & Science
Shivamogga - 577 201,

Date:

Signature of the examiners
Department of Computer Science
D. V. S. College of Arts & Science

1. _____
2. **VALUED**

Examiners :

1) [Signature] NS: 24/08/23

2) [Signature]

Date 24/08/23

DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shivamogga - 577 201

Deeshiya Vidya Shala ®



CERTIFICATE

This is to certify that the project work entitled

"EMOTION BASED MUSIC RECOMMENDATION AND DRIVING STATUS"

Is a bonafide work carried out by

MEGHANA Y A	BC200435
MISBA KHANUM	BC200437
RATEEBA MEHEK	BC200451
SUGHRA KHANUM	BC200463

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of Kuvempu University, Shankarghatta, during the year 2022 - 23.

Guide:

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Head of Department

Nethravathi H

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Shivamogga - 577 201

Date:

Department of Computer Science
D. V. S. College of Arts & Science

1. **VALUED**

2. Examiners:

1) Slans. 24/8/23

2) AD

Date: _____



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled
“Online Reporter With Restricted Abusing Words”

Is a bonafide work carried out by

Yogesh K R	BC-200469
Lingaraju S G P	BC-200430
Halesh D R	BC-200422
Sanjay B M	BC-200457

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Application of Kuvempu University, Shankarghatta, during the year 2022 – 23.

Guide:

Vaishnavi R

Nethravathi H

Department of Computer science
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Asst Professor, Dept., of CS

Mrs. Nethravathi H M.Tech.MPhil

Head, Dept., of CS
Head department of Computer Science
D. V. S. College of Arts & Science
Shimoga - 577 201,

Signature of the examiners

Examiners :

- 1) *[Signature]*
- 2) *[Signature]*

Date:

Date... *21/8/23*



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled

"ACCIDENT PREVENTION USING MULTIPLE SENSORS"

Is a bonafide work carried out by

BHOOMIKA B	BC200417
PRIYANKA M S	BC200446
MEHERUN M M	BC200436
NIROSH E	BC200440

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Applications of Kuvempu University, Shankarghatta, during the year 2022 - 23.

Guide:

Mrs. Vaishnavi R, MCA

Asst Professor, Dept., of CS

Guide:

Mrs. Nethravathi M.Tech.MPhil

Head, Dept., of CS

Signature of the examiners

1. 24/08/23
2. 24/08/23

Date:



DVS COLLEGE OF ARTS AND SCIENCE

Department of Computer Science

Shimoga - 577 201

CERTIFICATE

This is to certify that the project work entitled

“Data Storage Security in Cloud Computing”

Is a bonafide work carried out by

Sachin H	BC200453
Ankitha H R	BC200408
Mansi Mahanthesh	BC200432
Vasanth H V	BC200421

The students of VI semester BCA, under the supervision and guidance towards the partial fulfillment of the requirement for the award of the degree of Bachelor of Computer Applications of Kuvempu University, Shankarghatta, during the year 2022 – 23.

Guide:

Vaishnavi R

Department of Computer Science
D. V. S. College of Arts & Science
Mrs. Vaishnavi R MCA

VALUED

Asst Professor, Dept., of CS

Examiners :

Signature of the examiners

1) *[Signature]*

2) *[Signature]*

Date .. *21/8/23*

Nethravathi H

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