



Kuvempu University
ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



Department of Zoology
D.V.S. College of Arts and Science
Shimoga – 577201

CERTIFICATE

This is to certify that Mr Amith Kumar C A, Mr Chetankumar H B, Mr Nischith M, Mr Punith V, Mr Sudeendra H R, Mr Vijay kumar M N, Mr Vishwanath C M, has satisfactorily completed the Project work entitled **"QUALITATIVE ANALYSIS OF THE WATER AND BLOOD COMPOSITION OF CATLA CATLA FROM TUNGA AND BHADRA RIVER"**, submitted in partial fulfillment of the requirements for the award of degree in **BACHELOR OF SCIENCE (B.Sc.,)** prescribed by the Kuvempu University, Shimoga, during the academic year 2016 – 17.

H.O.D. of Zoology
N. Kumara Swamy

D.V.S. College of Arts and Science
Shimoga – 577201

Principal
Dr. Geetha Samak

D.V.S. College of Arts and Science
Shimoga – 577201

N. Kumaraswamy, M.Sc., M.Phil.,
Asst. Professor
Head, Department of Zoology
D.V.S. College of Arts & Science
SHIVAMOGGA.

Guide

External Examiner

Mr. N. Kumara Swamy M.Sc., M.Phil

Mrs. Pruthvi. K. J M.Sc.,

Miss. Ranjitha.N M.Sc.,

VALIDED
B.Sc. Practical Examinations
Examiners

CERTIFICATE

This is to certify that project entitled "**CHEMICAL FERTILIZERS AND PESTICIDES ON EARTHWORM**" submitted by Anusha P K (S1403319), Bhagya O M G (S1403329), Chinmayi K A (S1403348), Gayathri Devi T (S1403354), Keerthi G (S1403376), Madhura S (S1403384), Navya G (S1403408), Ranjitha H (S1403440), Shayesta S Godiyal (S1403462). Under my guidance and supervision, as partial fulfilment for completion of 5th semester and award for bachelor of science (CBZ) from Kuvempu university, for the academic year 2016-2017.

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

Date:

GUIDE

Place: Shivamogga

Mr. N. Kumarswamy M.Sc., M.Phil.,

(Department of Zoology)

DVS College of Arts and Science,

Shivamogga.

DVS COLLEGE OF ARTS AND SCIENCE

Shimoga - 577/201



DEPARTMENT OF ZOOLOGY

CERTIFICATE

This is to certify that project entitled "COMPARATIVE NUTRITIVE EVALUATION OF MRIGAL SPECIES OF THUNGA AND BHADRA RIVER BASINS " carried out by Suman babu.C.M (S1403479), Mallikarjun.M (S1403388), Girish.C.M (S1403356), Nandish.S.H (S1403513) Darshan kumar.T (S140), Bhanuprakash.K.E(S1403332),and Mithun kumar(S140340350) submitted in partial fulfillment of required award Bachelor of Science (CBZ), Kuvempu University, for academic year 2016-2017. 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.

GUIDE:
Prof. N.KUMARSWAMY
Dept. of Zoology
D.V.S. College of arts and science
SHIVAMOGGA.



Kuvempu University
ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



DEPARTMENT OF ZOOLOGY

D.V.S College of Arts and Science

Shimogga-577203

CERTIFICATE

This is to certify that the project entitled "POULTRY FEEDING MANAGEMENT" has been carried out by the students of fifth semester B.Sc course under supervision and guidance of Mr. N. KUMAR SWAMY This project is submitted in partial fulfillment for the award of the degree of bachelor of Science during the academic year 2016-2017. We further clarify that the work is original and has been submitted to Kuvempu University.

Submitted By:

KAVERI.D

MAMATHA.G.D

MEGHANA.L

PREETHI.C

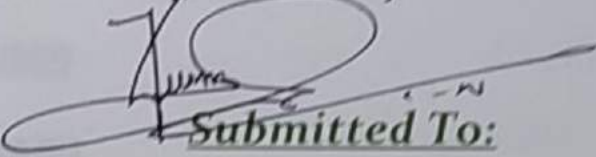
RAKSHA.D.M

RAKSHITHA.N

ROOPA.B.N

SONA.G.S

SUSHMA.S


Submitted To:

Prof. N. Kumar Swamy

Head of the department

Department of zoology

D.V.S College of Arts and Science,

Shivamogga

N. Kumaraswamy, M.Sc., M.Phil.,

Asst. Professor

Head, Department of Zoology

D.V.S. College of Arts & Science

SHIVAMOGGA.

**DVS College of Arts and Science
Shivamogga**



CERTIFICATE

Certified that the project work entitled "A survey on Apiculture practices in and around Shivamogga" carried out by Nayana K R , Pallavi S, Pavithra R, Sharadha R , Shruthi K J , Sneha S M , Tejaswini M partial fulfillment for the award of degree of Bachelor of Science (B.Sc.) by KUVEMPU UNIVERSITY, during the year 2016-2017. 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.

[Handwritten Signature]

Signature of Guide

[Handwritten Signature]

Prof. N. Kumaraswamy
Head of the Department
Department of Zoology

Examiners :

N. Kumaraswamy .M.Sc., M.Phil.,
Asst. Professor
Head, Department of Zoology
D.V.S. College of Arts & Science
SHIVAMOGGA.

1)

2)

VALUED	
B.Sc.. Practical Examinations	
Examiners:	
1. <i>[Signature]</i>	.N. 26
2. <i>[Signature]</i>	D.B
Date:	



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS & SCIENCE, SHIMOGA-577201

CERTIFICATE

This is to certify that the project work entitled "**SURVEY OF PREVALENT CANCER IN SHIVAMOGGA**" has been carried out Afreen, Aisha A, Aleena Nawaz , Bi Bi Aisha, Kashufta Misreena , Khuteja Banu S, Niha Ishrath Khan, Padmashree T , Subhiya Khanum, B.Sc V semester students under my guidance towards the partial fulfillment of the requirement for the award of Degree in Bachelor of Science DVS college of arts and Science, Shivamogga during the year 2016-2017.

**Under the Guidance of
Dr. Geetha Samak**

Mr .N Kumaraswamy

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

Principal

D V S College of Arts and Science

Shivamogga-577201

**Place:- shimoga
Shimoga – 577201**

Examiners : 1).....

2)



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE
SHIMOGA
CERTIFICATE

This is to certify that project entitled "SURVEY OF GENETIC DISEASES IN KARNATAKA IN GENERAL AND SHIVAMOGGA IN PARTICULAR" Submitted by **AISHWARYA J.S., AKSHATHA A.S., AKSHATHA P., ANJANA T.P., ARCHANA S., JYOTHI S.K., MONIKA M.** to the Department of Zoology, D.V.S College of Arts and Science Shimoga, Under the supervision of faculties of Department of Zoology D.V.S. College of Arts and Science, Shimoga during the year 2017-2018.

Under the Guidance of

Dr. GEETHA SAMAK

Mr. KUMARASWAMY N.

Mrs. PRUTHVI K.J.

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



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

**DVS COLLEGE OF ARTS AND SCIENCE
SHIMOGA**

CERTIFICATE

This is to certify that project entitled

“BIODIVERSITY OF SNAKES IN SHIVAMOGGA”

Submitted BY Ajay M K, Basavesh K M, Deepak C R, Gajendra D, Mohamed Zakir Hussain, Rakesh I Huller to the Department of Zoology ,D.V.S College of Arts and Science Shivamogga, Under the supervision of faculties of Department of Zoology D.V.S. College of Arts and Science, Shivamogga during the year 2017-2018.

Under the Guidance of

Dr. Geetha Samak

Mr. N. Kumaraswamy

Mrs. Pruthvi K. J.

Department of Zoology

D V S college of Arts and Science

Shivamogga-577201

Examiners: 1)..... 2).....



Kuvempu University

DEPARTMENT OF ZOOLOGY



**DVS COLLEGE OF ARTS AND SCIENCE
SHIMOGA**

CERTIFICATE

This is to certify that project entitled

**“RESTORING TROPICAL BIODIVERSITY USING SEED BALL
TECHNOLOGY”**

Submitted by *Ashik.N.S, Darshan.B.K, Dasharatha.M.S, Maruthi.C.H, Udaykumar.V.K* to the Department of Zoology, D.V.S College of Arts and Science Shimoga ,Under the supervision of faculties of Department of Zoology D.V.S. College of Arts and Science, Shimoga during the year 2017-2018.

Under the Guidance of:-

Valuers

Dr.Geetha Samak

1.

Mr.N Kumaraswamy

2.

Mrs.Pruthvi K.J

Department of Zoology

D V S college of Arts and Science

Shimoga-577201.



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY
DVS COLLEGE OF ARTS & SCIENCE, SHIVAMOGGA,-577201

CERTIFICATE

This is to certify that project entitled

**"EVALATION OF VITAMIN-C PRESENT IN LESSER KNOWN
FRUITS AND VEGETABLES
OF WESTERN GHATS OF KARNATAKA"**

Submitted by **VANI R B.** to the Department of Zoology, D.V.S College of Arts and Science Shivamogga, under the supervision of faculties of Department of Zoology D.V.S. College of Arts and Science, Shivamogga, during the year 2017-2018

Under the Guidance of

DR. GEETHA SAMAK

MR. N KUMARASWAMY

MRS. PRUTHVI K J

Department of Zoology

D V S college of Arts and Science

Shimoga-577201



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE
SHIMOGA
CERTIFICATE

This is to certify that project entitled "SURVEY OF CANCER AWARENESS AMONG PEOPLE IN SHIVAMOGGA" Submitted by **HALESHWARI B.P, KAVYASHREE V.S, POORNIMA.S, PRIYA CHARLES.V, RAAHELA SHABREEN, SANDHYA B** to the Department of Zoology, D.V.S College of Arts and Science Shimoga, Under the supervision of faculties of Department of Zoology D.V.S. College of Arts and Science, Shimoga during the year 2017-2018.

Under the Guidance of

Dr. GEETHA SAMAK

VALUED

Mr. KUMARASWAMY N.

B.Sc., Practical Examinations

Mrs. PRUTHVI K.J.

Examiners :-

1.

Department of Zoology

2.

D V S college of Arts and Science

Shimoga-577201

22/10/17



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE
SHIMOGA

CERTIFICATE

This is to certify that project entitled "***A STUDY ON PHYSICAL AND BIOLOGICAL NATURE AND FOOD CHAINS OF FIVE PONDS OF SHIVAMOGGA DISTRICT***" Submitted by ***Khadira Saniya Afreen Naik, Kiran H., Lohith Kumar M. K., Sufiya Anjum, Tahura Begum S.*** to the Department of Zoology, D.V.S College of Arts and Science Shimoga, Under the supervision of faculties of Department of Zoology D.V.S. College of Arts and Science, Shimoga during the year 2017-2018.

Under the Guidance of

Dr. GEETHA SAMAK

Mr. KUMARASWAMY N.

Mrs. PRUTHVI K.J.

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



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS & SCIENCE, SHIVAMOGGA,-577201

CERTIFICATE

This is to certify that project entitled

**“EFFECT OF SUGAR AND PH ON THE
DEVELOPMENT OF DROSOPHILA MELANOGASTER”**

Submitted by ASMA, MANDARA, MANGALA, MEGHANA,
NAGHMA, NOORUL AIN, POOJA to the Department of Zoology,
D.V.S College of Arts and Science Shivamogga, under the supervision of
faculties of Department of Zoology D.V.S. College of Arts and Science,
Shivamogga, during the year 2017-2018

Under the Guidance of

Principal

Dr. GEETHA SAMAK

Mr.N.KUMARASWAMY

Mrs.PRUTHVI.K. J

Department of Zoology

D V S college of Arts and Science

Shimoga-577201.

DVS College of Arts and Science,
Shimoga-577201.



Kuvempu University



DEPARTMENT OF ZOOLOGY
DVS COLLEGE OF ARTS AND SCIENCE
SHIMOGA

This is to certify that project entitled

Earthworm Biology: A Study on Factors Affecting Regeneration in Earthworms

Submitted by **SANTHOSH KUMAR, SHREEKRUPA N R, SHWETHA M, SHWETHA M, SUNIL B, SUPRIYA T.** to the Department of Zoology ,D.V.S College of Arts and Science Shivamogga ,Under the supervision of faculties of Department of Zoology D.V.S. College of Arts and Science, Shivamogga during the year 2017-2018

Dr Under the Guidance of

.Geetha Samak

Mr. N Kumaraswamy

Mrs. Pruthvi K J

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



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **SURVEY OF PREVALENT POULTRY DISEASES IN SHIVAMOGGA** 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 research/project work done by Ms. **NAZNEEN TAJ (S1603400)**, **MADEEHA FARHEEN (S1603374)**, **NOOR FATHIMA (S1603412)**, **AMEENA MAHIN S (S1603307)**, **FARHEEN BANU M (S1603353)**, **SUSHMA T S (S1503506)** during the period of study 2018-2019 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

Dr. Geetha Samak

Mr. N Kumaraswamy

Mrs. Pruthvi K J

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, SHIMOGA-577201

DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **INSECT PESTS OF MAIZE CROP IN SHIVAMOGGA REGION**, submitted in partial fulfilment 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 research/ project work done by **Ms. Amruthah. A (S1603308), Ms. Ananya P.S (S1603309), Ms. Anujna D. Rao (S1603311), Ms. Archana K. S (S1603318), Ms. Arpitha. H (S1603319), Ms. Ramya .N (S1603448)**, during the period of study 2018-2019 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

Dr. Geetha Samak

Mr. N Kumaraswamy

Mrs. Pruthvi K J

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, SHIMOGA-577201

DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled NITRATE CONCENTRATION IN SHIVAMOGGA WATERS AND VEGETABLES : CAUSE FOR CONCERN? 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 research/project work done by Mr/Ms APOORVA JOIS.D.N (S1603317), CHAITRA.H.C (S1603337), FAHIMUNNISA (S1603352), MYTHREYI.R (S1603392), PREEHI.N.M (S1603429), PRIYA PRABHU (S1603431), during the period of study 2018-2019 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

Dr.Geetha Samak

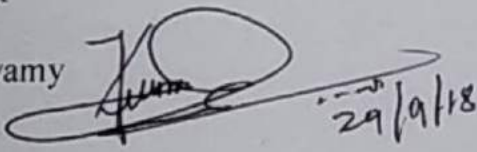
Mr. N Kumaraswamy

Mrs. Pruthvi K J

Examiners

1.

2.


29/9/18

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



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

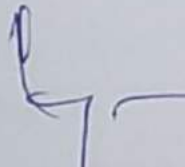
CERTIFICATE

This is to certify that project entitled **DIVERSITY OF FROGS IN SHIVAMOGGA 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 Shivamogga** affiliated to **KUVEMPU UNIVERSITY** is a bonafide record of research/project work done by **Ms. Basavashree S P (S1603325)**, **Ms. Bindu C M (S1603331)**, **Ms. Prajwal Patil G T (S1603421)**, **Mr. Yashas G A (S1603542)** during the period of study 2018-2019 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.

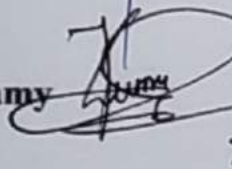
Guidance

Examiners

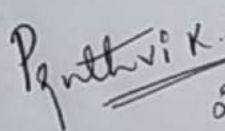
Dr. Geetha Samak

 28/9/18 1.

Mr. N Kumaraswamy

 28.09.18 2.

Mrs. Pruthvi K J

 28/9/18

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



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY




DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **TARDIGRADES, THE EXTREME SURVIVORS** 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 research/project work done by **ROOPASHREE H R (S1603456), SAHANA H R (S1603460), SAMYUKTA PAI M (S1603465), SANKARSHANA R N (S1603472), SREELAXMI R (S1603506), VIDYAYASHASWINI G H (S1603532)** during the period of study 2018-2019 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.

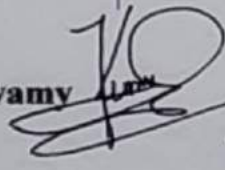
Guidance

Dr. Geetha Samak


29/9/18

1.

Mr. N Kumaraswamy


29/9/18.

2.

Mrs. Pruthvi K J

Examiners

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



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS & SCIENCE, SHIMOGA-577201

DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled **SURVEY OF HIV/AIDS AWARENESS AMONG PEOPLE IN SHIVAMOGGA** submitted in partial fulfilment 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 research/project work done by **Mr/Ms Roopa P Gaviyappa navara (S1603455), Shivakumar M.L (S1603482), Sinchana H.R (S1603491), Sinchana K.S (S1603493), Sukanya S (S1603507), VIRESHA T.N (S1603539)**, during the period of study 2018-2019 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.ss

Guidance

Dr. Geetha Samak

Mr. N Kumaraswamy

Mrs. Pruthvi K J

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, SHIMOGA-577201

DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled A STUDY ON SOME EARTHWORM SPECIES OF WESTERN GHATS AND THEIR REGENERATION 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 research/project work done by Mr/Ms **RANJITHA M (S1603445), RASHMI .Y(S1603449), RISHMA(S1603452), SANGEETHA .K .L (S1603469), SHREERAMANA(S1603485), SHWETHA .P. HIREMATH (S1603488), UDAY KUMAR .L.M (S1603523)** during the period of study 2018-2019 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

Examiners

Dr. Geetha Samak

1.

Mr. N Kumaraswamy

Mrs. Pruthvi K J

[Handwritten signatures and dates]
25/9/18
25.9.18
Pruthvi K.J. 25/9/18

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



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS & SCIENCE, SHIMOGA-577201

DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled A STUDY ON BIOLOGY AND BEHAVIOR OF SIAMESE FIGHTING FISH, *BETTA SPLENDENS* 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 research/project work done by Mr / Ms **SUMA J.T (S1603508), SYEDA ALFAINE S.A (S1603518), SYEDA AYISHA AMREEN (S1603519), SYEDA JUVERIA ANJUM (S1603520), TANUJA D M (S1603521), UMME HANI (S1603524)** during the period of study 2018-2019 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

Examiners

Dr.Geetha Samak

1.

Mr. N Kumaraswamy

2.

Mrs. Pruthvi K J

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



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled "*A Study on Culturing, Sensory and Behavioral aspects of Drosophila Flies*" 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 **Ms. Ankitha H Patel Reg. No. S1703308, Ms. Anusha B S Reg. No. S1703313, Ms. Bhoomika S P Reg. No. S1703338, Ms. Bindu K B Reg. No. S1703344, Ms. Deepika K N Reg. No. S1703362** during the period of study 2019-2020 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

Dr. Geetha Samak

Mr. N Kumaraswamy

Mrs. Pruthvi K J

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 AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled *A Study on soil nematodes diversity*, 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 **Ms.Aiman sadaf (S1703302)**, **Bi Bi Afifa(S1703340)**, **Bi Bi Raheema(S1703343)**, **Firdose Sultana(S1703371)**, during the period of study 2019-2020 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

Dr.Geetha Samak

Mr. N Kumaraswamy

Mrs. Pruthvi K J

Pruthvi K.J.
5/10/19

Examiners

1.

2.



KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS AND SCIENCE SHIVAMOGGA

CERTIFICATE

This is to certify that project entitled *A Study on the Pattern and Architecture of Spider Web.* 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 **Ms. Divya M S1703368, Ms. Divya G S1703367, Ms. Dhanyashri A S S1703366, Ms. Deeksha H S S1703360 Ms. Kavya K R S1703392 & Ms. Chandana K M S1703350** during the period of study 2019-2020 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

Dr.Geetha Samak

Mr. N Kumaraswamy

Mrs. Pruthvi K J

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
“BIRDS BIODIVERSITY 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

NIKHIL KUMAR M N	S1803412
VISHNU V	S1803509
BENJAMIN GLADSON	S1803515
MANU S C	S1803524

Under the guidance of

FACULTIES

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

2021



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE

SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled **“EFFECTS OF SOME ECOLOGICAL FACTORS ON TADPOLE DEVELOPMENT”** 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 **Pooja. C (S1803422), Spandana. H Y (S1803478), Bindu. S (S1803338), Prathvi (S1803432), Vinitha. L (S1803543)** during the period of study 2020-2021 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

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Examiners

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Pruthvi K.J.
31/7/21



KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE

SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled **“FOOD HABITS AND KNOWLEDGE DIABETES IN PEOPLE OF SHIVAMOGGA-A STUDY”** 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 **KAVYA D R (S1803521), SINCHANA S R (S1803471), SPOORTHI M S (S1803480) & THANUSHREE G S (S1803497)** during the period of study 2020-2021 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

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KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE

SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled "**HEALTH AND OTHER BENEFITS OF INDIGENOUS MILK BREEDS**" .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 **HARSHA M (S1803368), MADHUSUDHAN B S (S1803387), DARSHAN B (S1803351), CHIRANTH R C (S1803516), MANJUNATH M B (S1803391)** during the period of study 2020-2021 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

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Mrs. Pruthvi K J

Examiners

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KUVEMPU UNIVERSITY
DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS & SCIENCE, SHIMOGA-577201

CERTIFICATE

This is to certify that project entitled *Microbial Treatment of Tertiary Effluent of Sewage Water* 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. H.S. Anirudh Srinivas Reg. No. S1803309, Ms. Aishwarya V Reg. No. S1803304, Ms. Ananya T M Reg. No. S1803308, Ms. Sanjana M V Reg. No. S1803455 and Ms. Pandith Rachana Reg. No. S1803421** during the period of study 2020-2021 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

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Examiners

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KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE

SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled **“STUDY OF ZEBRAFISH AS EXPERIMENTAL MODEL AND IT’S BEHAVIORAL ASPECTS”** 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 **SANIA BAIG (S180538), NAJMA RIFFATH (S1803526), SYEDA HAJIRA (S1803493)** during the period of study 2020-2021 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

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Examiners

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KUVEMPU UNIVERSITY



DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE

SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled **“SURVEY STUDY ON PRESENT DAY LIFESTYLE AND HYPERTENSION IN YOUR FAMILY CIRCLE AND NEIGHBORS”** 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 **Meghana.Y (S1803395), Nisarga.A.N (S1803529), Nooha Masood (S1803530), Pournami.M.Uppin (S1803429), Rachitha. M.S (S1803438)** during the period of study 2020-2021 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

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Examiners

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KUVEMPU UNIVERSITY

DEPARTMENT OF ZOOLOGY



DVS COLLEGE OF ARTS, SCIENCE & COMMERCE
SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled "FOOD HABITS AND KNOWLEDGE OF VITAMIN A IN YOUR FAMILY CIRCLE AND NEIGHBOURS" .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 Ananya.C.B (S1803307), Anusha.H.E (S1803314), Fathim samreen taj(S1803518), Keerthana.I.Selvam (S1803545), Munazza Mohammadi (S1803400), Nisargashree.H.S (S1803416), Pooja.K .M (S1803424) during the period of study 2020-2021 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

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Examiners

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31/7/21



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DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE

SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled **A COMPARATIVE STUDY ON A NATURAL AND MANMADE POND ECOSYSTEM** 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 **CHANDANA A (S1803343), MONIKA E M (S1803397), RAKSHITHA H R (S1803442), VAISHNAVI C N (S1803500)** during the period of study 2020-2021 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

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DEPARTMENT OF ZOOLOGY

DVS COLLEGE OF ARTS, SCIENCE & COMMERCE

SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled **“A STUDY ON KNOWLEDGE AND AWARENESS OF PEOPLE OF SHIVAMOGGA TOWARD COVID-19”** 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 **ASHA BEGAM. S B (S1803324), BI BI AFSA (S1803336), FARHEEN KHANUM (S1803362), JANAKI. P (S1803371), KAVYA KATTIMANI (S1803379), PALLAVI. G (S1803418)** during the period of study 2020-2021 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

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Examiners

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30/1/2021



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DEPARTMENT OF ZOOLOGY

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SHIVAMOGGA-577201

CERTIFICATE

This is to certify that project entitled "**STUDY ON VERMICOMPOSTING**" 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 **SIDDHARTHA S P (S1803466), SACHIN H Y (S1803535), SWAMY R (S1803540), SHREYAS J H (S1803465), VEERESH M P (S1803504)** during the period of study 2020-2021 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

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Mr. N Kumaraswamy

Mrs. Pruthvi K J

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Pruthvi K. J.
30/7/21