

Project Work Certificate

This is to certify that

SUCHITRA G B	S1908503
RAKSHITHA H R	S1908364
VANI R	S1908556
ANKITHA K S	S1908603

Has satisfactorily completed the project work entitled as the
“TEXT DATA TRANSMISSION USING LI-FI” submitted in the
partial fulfilment of the requirement for the award of degree in
BACHELOR OF SCIENCE by the **Kuvempu University** during
the academic year 2021-22.

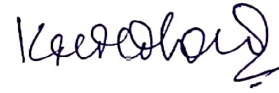
Project Guide:



Mr. Darshan H M

Department of Electronics
Sahyadri Science College
Shivamogga

Chairman:



Capt. Mohanesh K M

Department of Electronics
Sahyadri Science College
Shivamogga

Name of Examiner

1. Anupha. H. S

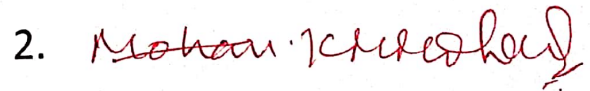
2. Mohanesh K M


Date: 9/11/2022.

Place: Shivamogga

Signature of Examiner

1. 

2. 


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

Project Work Certificate

This is to certify that

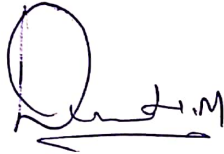
NITHIN A S1908294
MURALI S1908268
PRAVEEN KUMAR Y K S1908337
RAHUL D S1908358

Has satisfactorily completed the project work entitles as the **"WATER QUALITY TEST USING MICROCONTROLLER"** submitted in partial fulfilment of the requirement for the award of degree in **BACHELOR OF SCIENCE** by the **KUVEMPU UNIVERSITY** during the academic year 2021-22.

Project Guide:

Capt. Mohanesh K M
Mr. Darshan H M

Department of Electronics
Sahyadri Science College
Shivamogga



Chairman:

Capt. Mohanesh K M

Department of Electronics
Sahyadri Science College
Shivamogga



Name of Examiner

1. Anusha. H S
2. Mohanesh K M.



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

Signature of Examiners

1. 
2. 

Date: 10/11/2022

Place: Shivamogga

Project Work Certificate

This is to certify that

Ms. Chandana K R S1908112

Ms. Preethishree R S S1908339

Ms. Jayashree N S1908188

Has satisfactorily completed the project work entitles as the "SMART CLASSROOM" submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the KUVEMPU UNIVERSITY during the academic year 2021-22.

Project Guid:



Capt. Mohanesh K M

Mr. Darshan H M

Department of Electronics
Sahyadri Science College
Shivamogga

Chairman:




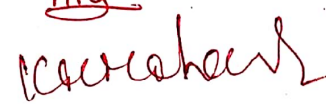
Capt. Mohanesh K M

Department of Electronics
Sahyadri Science College
Shivamogga

Name of Examiner

1. Anugha. H S
2. Mohanesh K. M

Signature of Examiners

1. 
2. 

Date: 9/1/2022

Place:


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

Project Work Certificate

This is to certify that

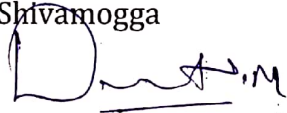
AKSHATA S C S1908022
DEEPTHI M V S1908135
SHESHAN V S1908443

Has satisfactorily completed the project work entitles as the "ONLINE TOUCHLESS ATTENDENCE SYSTEM" submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the KUVEMPU UNIVERSITY during the academic year 2021-22.

Project Guide:

Mr. Darshan H M

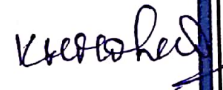
Department of Electronics
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Shivamogga



Chairman:

Capt. Mohanesh K M



Department of Electronics
Sahyadri Science College
Shivamogga



Name of Examiner


1. Anusha H S
2. Mohanesh K M.

Signature of Examiners

1. 
2. 

Date: 9/11/2022

Place: Shivamogga


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



Est. 1940

KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE

Shimoga

(Autonomous)

(A College with Potential for Excellence)



Department of Electronics
Sahyadri Science College
Shimoga-577203

Certificate

This is to certify that the project work entitled "VEHICLE ACCIDENT ALERT SYSTEM" is a beneficial carried work by **Mr. NAGAKIRAN G R**, **Mr.PRATEETH K GOWDA** ,**Mr.PRUTHVI S NAYAKA** ,**Mr.RAVINDRA H C**, **Mr.SATHISHA BHOVI R** students of VI semester BSc course under the guidance of Prof **Mr. Mohanesha K M** Head of Department, Electronics towards partial fulfilment for the award degree of bachelor of science in **PME** of kuvempu university , during the year 2020-21 the project report as been approved as it satisfies the academic requirements in respect of project work prescribed for course


Mr.Mohanesha K M

Head of department, Electronics
Sahyadri Science College
Shimoga-577203


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SAHYADRI SCIENCE COLLEGE
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SHIMOGA, Karnataka State.

Place : Shivamogga.

Signature



Project Work Certificate

This is to certify that

ABHISHEK SHENOY	S1908003
SWAROOP T M	S1908525
SUHAS S N	S1908509
SUMANTHA MADHYASTHA S	S1908512

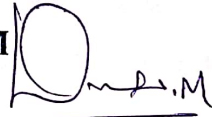
Has satisfactorily completed the project work entitles as the "SMART DUSTBIN" submitted in partial fulfilment of the requirement for the award of degree in BACHELOR OF SCIENCE by the KUVEMPU UNIVERSITY during the academic year 2021-22.

Project Guide:

Capt. Mohanesh K M

Mr. Darshan H M

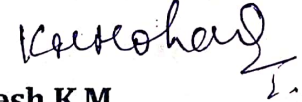
Department of Electronics
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Shivamogga



Chairman:

Capt. Mohanesh K M



Department of Electronics
Sahyadri Science College
Shivamogga



Name of Examiner


1. Anugha H S.
2. Mohanesh K.M.

Signature of Examiners

1. 
2. 

Date: 10/11/2022

Place: Shivamogga


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

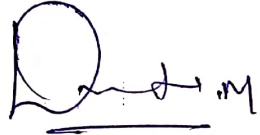
Project Work Certificate

This is to certify that

SANGEETHA R	S1908422
SINDHU T H	S1908471
RADHIKA D N	S1908357
YATHIKUMARI H B	S1908591

Has satisfactorily completed the project work entitled as the **“HOME AUTOMATION SYSTEM USING BLUETOOTH AND ARDUINO”** submitted in the partial fulfilment of the requirement for the award of degree in **BACHELOR OF SCIENCE** by the **Kuvempu University** during the academic year 2021-22.

Project Guide:



Capt. Mohanesh K M

Mr. Darshan H M

Department of Electronics
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Chairman:



Capt. Mohanesh K M



Department of Electronics
Sahyadri Science College
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Name of Examiner

1. Anusha. H S
2. Mohanesh. K. M.

Date: 9/11/2022
Place: Shivamogga

Signature of Examiner

1. 
2. 


PRINCIPAL
SAHYADRI SCIENCE COLLEGE
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SHIMOGA, Karnataka State.

Project Work Certificate

This is to certify that

Mr. ARUN KUMAR O P S1908068
Mr. BHEESHMACHARI K S S1908085
Mr. YASHWANTHA S M S1908589

Has satisfactorily completed the project work entitles as the "**ROBOT METAL DETECTOR**" submitted in partial fulfilment of the requirement for the award of degree in **BACHELOR OF SCIENCE** by the **KUVEMPU UNIVERSITY** during the academic year 2021-22.

Project Guide:

Capt. Mohanesh K M

Mr. Darshan H M

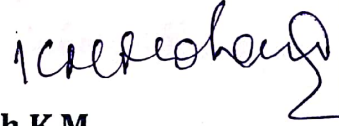
Department of Electronics
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Chairman:

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Shivamogga



Name of Examiner

1. Anugha. H.S.
2. Mohanesh. K.M

Signature of Examiners

1. 
2. 

Date: 10/11/2022

Place:




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Department of Biotechnology
Sahyadri Science College, Shivamogga

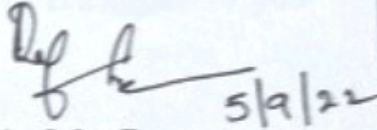
CERTIFICATE

This is to certify that the dissertation entitled "**GLUTEN AND ITS IMPACT ON HEALTH**" submitted by **Ms. Akshatha S G** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under my guidance during the period 2021-22.

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


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

VALUED
22/10/22
1) P
2) P
22/10/22


5/9/22
Head of the Department

Dr. RAMESH C. K
Professor

Department of Biotechnology
Sahyadri Science College
Shivamogga-577 203

Dr. RAMESH C.K. Ph.D.
Professor
Department of Biotechnology
Sahyadri Science College
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Date: 5/9/2022
Place: Shivamogga

KUVEMPU UNIVERSITY



Department of Biotechnology

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**Host and Pathogen Interaction**" submitted by **Mr. Amith Kumar.K.** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by Her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr.Prabhakar.B.T.** during the period 2021-22.

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

VALUED
Date: 22/10/22
Examiner
1) [Signature]
2) [Signature] 22/10/22

Guide

[Signature]

Dr. Prabhakar.B.T

Associate Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

[Signature]

Head of the Department

Dr. RAMESH C.K. Ph.D.

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Department of Biotechnology

Sahyadri Science College

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Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

[Signature]

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.

Date: 07/09/2022

Place: Shivamogga


KUVEMPU UNIVERSITY

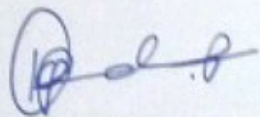
Department of Biotechnology

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**Advanced Food Preservation Techniques**" submitted by **Ms. Anajana S Palatamani** for the degree of "**Bachelor of Science**" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr. Pradeepa. K** during the period 2021 -22.

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



Guide

Dr. Pradeepa. K

Assistant professor

Department of Biotechnology.

Sahyadri Science College,

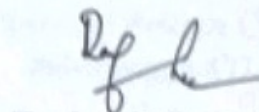
Shivamogga-577 203

VALUED
Date: 22/10/22

Examiner

1) /
2) /





Head of the Department

Dr. RAMESH C. K

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

Date: 3/9/22

Place: Shivamogga


PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGGA, Karnataka State.

Dr. RAMESH C.K. Ph.D.
Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577203, Karnataka


KUVEMPU UNIVERSITY

Department of Biotechnology

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**NUCLEIC ACID AND THEIR BIOLOGICAL SIGNIFICANCE**" submitted by **Ms. ANUSHA H T** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her under the guidance of **ASHARANI G H**, Lecturer, Department of Biotechnology, Sahyadri Science College, Shivamogga during the period 2021-22.

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


Guide

ASHARANI G H

Lecturer (Constituent College of Kuvempu University)

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

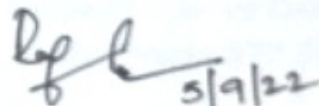


PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGGA, Karnataka State


5/9/22
Head of the Department

Dr. RAMESH C. K

Professor


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Sahyadri Science College

Shivamogga-577 203

Date: 29-08-2022

Place: Shivamogga

VALUED
Date: 22/10/22
Examiner


Dr. RAMESH C.K. Ph.D.
Professor
Department of Biotechnology
Sahyadri Science College
Shivamogga-577203, Karnataka.

KUVEMPU UNIVERSITY



Department of Biotechnology

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**MEDICINAL PLANT AND ITS APPLICATIONS**" submitted by Ms. **ARPITHA N R** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Ms. ASHA RANI G H** during the period 2021-22.

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

Guide

Ms. ASHA RANI G H
Lecturer (Constituent College of Kuvempu University)
Department of Biotechnology
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Shivamogga-577 203

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
SHIMOGGA, Karnataka State.

Head of the Department

Dr. RAMESH C. K
Professor
Department of Biotechnology
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Shivamogga-577 203

Date: 1/09/22
Place: Shivamogga

VALUED
Date: 22/10/22
Examiner
1)
2)
22/10/22

Dr. RAMESH C.K. Ph.D.
Professor
Department of Biotechnology
Sahyadri Science College
Shivamogga-577203, Karnataka.


KUVEMPU UNIVERSITY

Department of Biotechnology
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**CANCER STEM CELLS**" submitted by **Ms. BASIRA KHANUM** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr. PRABHAKAR B T** during the period 2021-22.

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


Guide

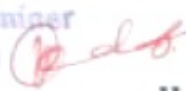

Dr. PRABHAKAR B T

Associate Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

VALUED
Date: 22-10-22
Examiner
1) 
2) 


Head of the Department

Dr. RAMESH C. K

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

Date: 07/09/2022

Place: Shivamogga


PRINCIPAL

SAHYADRI SCIENCE COLLEGE
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Dr. RAMESH C.K. Ph.D.
Professor

Department of Biotechnology
Sahyadri Science College

Shivamogga-577 203, Karnataka.

KUVEMPU UNIVERSITY

DEPARTMENT OF BIOTECHNOLOGY

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**MULTIDRUG RESISTANT IN BACTERIA**" submitted by **Ms.Chandu B B** for the degree of "**Bachelor of Science**" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr. Pradeepa. K** during the period 2022 -23.

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



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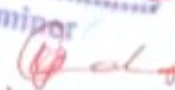

Dr. PRADEEPA K

Assistant Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

VALUED
Date 22-10-22
Examiner
1) 
2) 



Head of the Department

Dr. RAMESH C. K

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

Dr. RAMESH C.K. Ph.D.

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203, Karnataka.

Date: 2/9/22

Place: Shivamogga



PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.

KUVEMPU UNIVERSITY



Department of Biotechnology

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**Cell Signalling**" submitted by **Mr. Darshan Kumar** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by Him in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr.Prabhakar.B.T.** during the period 2021-22.

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

Guide

Dr. Prabhakar.B.T

Associate Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

VALUED
Date. 22/10/2022
Examiner
1)
2)

Head of the Department

Dr. RAMESH C. K

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

Date:

Place: Shivamogga

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

Dr. RAMESH C.K. Ph.D.
Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577203, Karnataka.

KUVEMPU UNIVERSITY

Department of Biotechnology

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**PHARMACEUTICAL PRODUCTS OF RECOMBINANT DNA TECHNOLOGY**" submitted by **Ms. DHANYA G P** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga, under the guidance of **ASHARANI G H** during the period 2021-22.

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

Guide

ASHARANI G H

Lecturer

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

VALUED
Date: 22/10/2022
Examiner
21/10/22

Head of the Department

Dr. RAMESH C. K

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGGA, Karnataka State.

Date:

Place: Shivamogga

Dr. RAMESH C.K. Ph.D.

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577203, Karnataka.

KUVEMPU UNIVERSITY

Department of Biotechnology

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**Diabetes And It's Management**" submitted by **Ms.Dhanya L** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr.Ramesh.C.K.** during the period 2021-22.

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

Guide

Dr.Ramesh.C.K

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203

Head of the Department

Dr. Ramesh.C. K

Professor

Department of Biotechnology

Sahyadri Science College

Dr. RAMESH C.K. Ph.D.

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577203, Karnataka.

Date: 16 / 09 / 2022

Place: Shivamogga

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

KUVEMPU UNIVERSITY

Department of Biotechnology
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the dissertation entitled "**HUMAN PAPILLOMA VIRUS**" submitted by **Ms. Ganavi B V** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga under the guidance of **Dr. Prabhakar B T** during the period 2021-22.

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

Guide



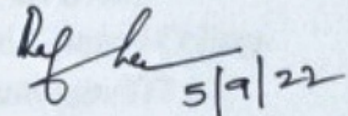
Dr. Prabhakar B T

Associate Professor

Department of Biotechnology

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Head of the Department

Dr. RAMESH C K

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577 203



PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State

Date:

Place: Shivamogga

/ VALUED

Date: 22-10-22

Examiner

1)

Dr. RAMESH C.K. Ph.D.

Professor

Department of Biotechnology

Sahyadri Science College

Shivamogga-577203, Karnataka.

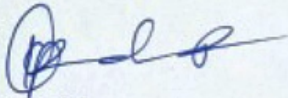

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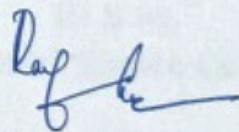
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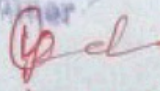

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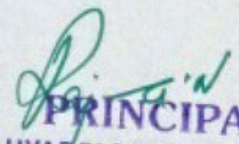

Guide

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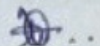
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Ms. NETHRAVATHI A M

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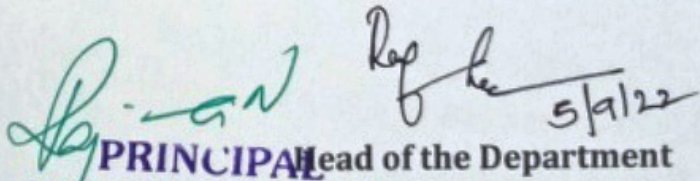
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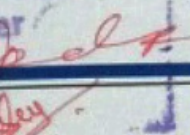
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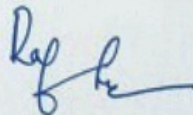

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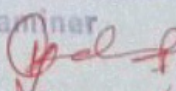
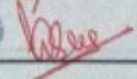
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This is to certify that the dissertation entitled **"IMMUNO-ONCOLOGY"** submitted by **Ms. Kshama S** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga under the guidance of **Dr. Prabhakar B.T.** during the period 2021-22.

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This is to certify that the dissertation entitled "**CELL CYCLE AND IT'S REGULATION**" submitted by **Ms. Meghana K K** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her under the guidance of **Dr. Jamuna K S**, Lecturer, Department of Biotechnology, Sahyadri Science College, Shivamogga during the period 2021-22.

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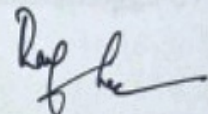
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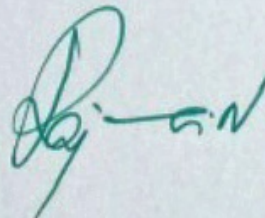

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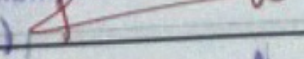
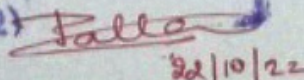
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This is to certify that the dissertation entitled **“Immunodeficiency Disorders”** submitted by **Ms. NIVEDITHA U.S** for the degree of “Bachelor of Science” from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. Under the guidance of **Dr. Prabhakar B.T** during the period 2021-22.

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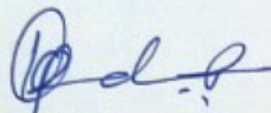

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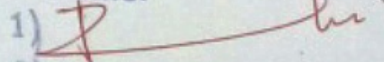


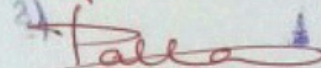
Dr. RAMESH G.K. Ph.D.
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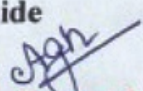
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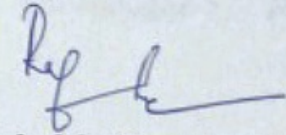
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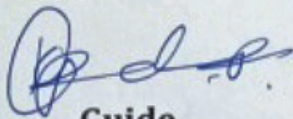
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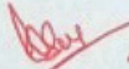

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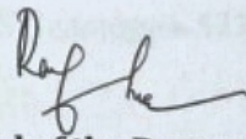
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This is to certify that the dissertation entitled **“LIPIDS AND FATS AND THEIR BIOLOGICAL IMPORTANCE”** submitted by **Ms. Ramya B N** for the degree of “Bachelor of Science” from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr. Pradeepa. K** during the period 2021-22.

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

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Date: *22/10/2022*
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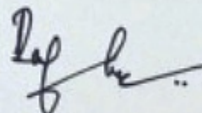
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This is to certify that the dissertation entitled "**THERAPEUTIC PROTEINS**" submitted by **Ms. Rishika K R** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr.Ramesh C K** during the period 2021-22.

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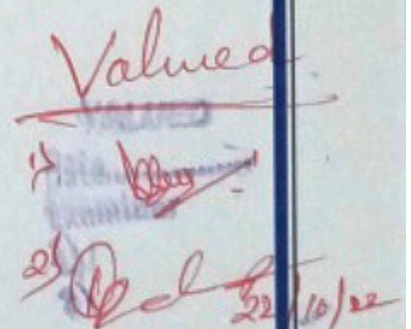
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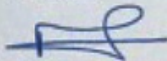
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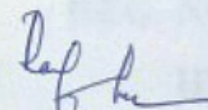
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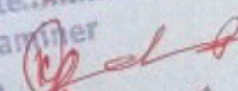
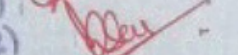
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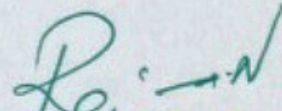
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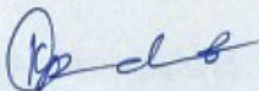
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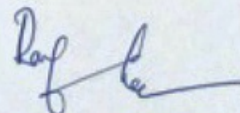
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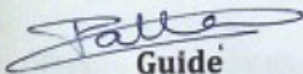
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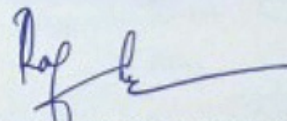
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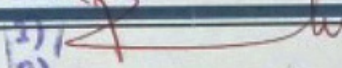
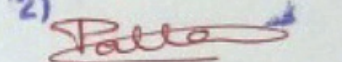
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This is to certify that the dissertation entitled **“PHARMACOGENOMICS FOR CARDIOVASCULAR DISEASES AND DRUGS”** submitted by **Mr. Samartha Chaturvedi S R** for the degree of “Bachelor of Science” from Kuvempu University, is the result of the Dissertation work carried out by his in the Department of Biotechnology, Sahyadri Science College, Shivamogga under the guidance of **Ms. Asharani G H** during the period 2021-22.

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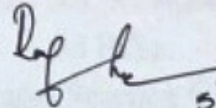

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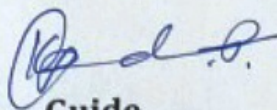

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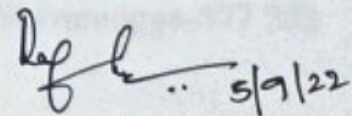
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This is to certify that the dissertation entitled "**GREEN SYNTHESIS OF NANOPARTICLES**" submitted by **Ms. Sanjana N S** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr. Pradeep K** during the period 2021-22.

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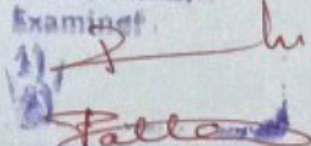
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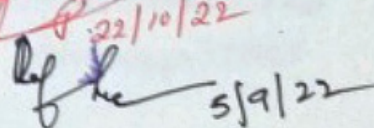
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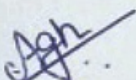
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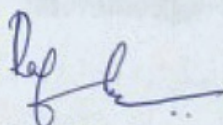
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This is to certify that the dissertation entitled "**SECONDARY METABOLITES**" submitted by **Ms.Saraswathi.V.R** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by Her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Ms.Asharani.G.H** during the period 2021-22

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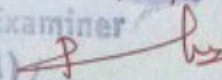


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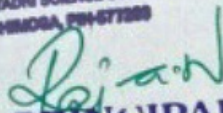
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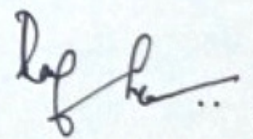
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
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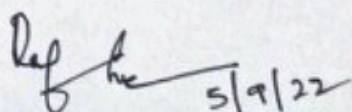
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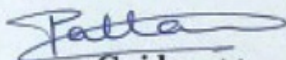

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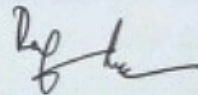
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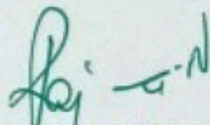


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Date: 17/9/22

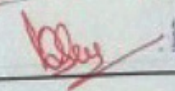
Place: Shivamogga

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Date: 24/10/22

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CERTIFICATE

This is to certify that the dissertation entitled **"AUTOIMMUNE DISEASES"** submitted by **Ms. Spoorthi D S** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her under the guidance of **Dr. Jamuna K S**, Lecturer, Department of Biotechnology, Sahyadri Science College, Shivamogga during the period 2021-22.

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

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Examiner: *[Signature]*


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CERTIFICATE

This is to certify that the dissertation entitled **"ANIMAL VIRAL VECTOR"** submitted by **Mr. Srinivas.B.N** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by him in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Ms. Syeda Misba Fathima** during the period 2021-22.

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

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2) Ramesh C. K.
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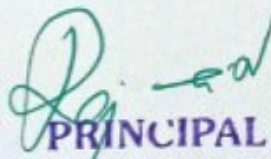
This is to certify that the dissertation entitled "**BIOFERTILIZERS**" submitted by **Supriya V Basur** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Ms. Nethravathi A M** during the period 2021-22.

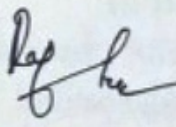
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This is to certify that the dissertation entitled "**GENE REGULATION IN PROKARYOTES**" submitted by **Ms.Sushma H.S** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by herin the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr.Pallavi M** during the period 2021-22.

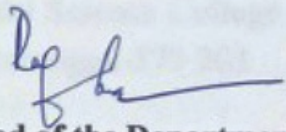
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This is to certify that the dissertation entitled "NANOTECHNOLOGY IN HEALTHCARE AND MEDICINE" submitted by Ms. SUSHMITHA GIRI for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her under the guidance of Dr. Jamuna K S, Lecturer, Department of Biotechnology, Sahyadri Science College, Shivamogga during the period 2021-22.

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This is to certify that the dissertation entitled "**POLYMERASE CHAIN REACTION**" submitted by **Ms. TEJASWI L** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by **Her** in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Mr. Abdul Shafiulla** during the period 2021-22.

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This is to certify that the dissertation entitled "**DISEASE DETECTION USING BOROBOTICS**" submitted by **Thanuja C P** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. Under the guidance of **Ms. Syeda Misba Fathima** during the period 2021-2022.

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This is to certify that the dissertation entitled "**ARTIFICIAL ORGANS**" submitted by **Mr. Ullas Singh H R** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by him in the Department of Biotechnology, Sahyadri Science College, Shivamogga. Under the guidance of **Ms. Nethravathi A M** during the period 2021-2022.

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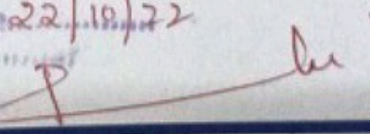
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22/10/2022



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This is to certify that the dissertation entitled **"PHYTOHARMONES"** submitted by **Ms. M. R. vani** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Dr. Pallavi M** during the period 2021-22

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This is to certify that the dissertation entitled "**GENE TRANSFER TECHNIQUES**" submitted by **Mr. Varun Kumar A P** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by him under the guidance of **Dr. Jamuna K S**, Lecturer, Department of Biotechnology, Sahyadri Science College, Shivamogga during the period 2021-22.

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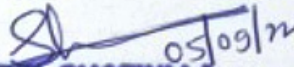
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This is to certify that the dissertation entitled **"BIOSENSORS"** submitted by **Mr. Veluswamy S** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Mr. Abdul Shafiulla** during the period 2021-22

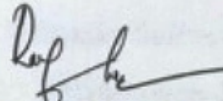
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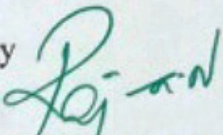
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Professor & Head

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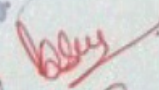

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VALUED
Date: 22-10-22
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This is to certify that the dissertation entitled "**MONOCLONAL ANTIBODIES AND ITS APLICATIONS**" submitted by **Ms. YASHASWINI D** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by **her** in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **SYEDA MISBA FATHIMA** during the period 2021-22.

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This is to certify that the dissertation entitled "**PITUITARY HORMONE**" submitted by **Ms.Shreya. S. Swamy** for the degree of "Bachelor of Science" from Kuvempu University, is the result of the Dissertation work carried out by Her in the Department of Biotechnology, Sahyadri Science College, Shivamogga. under the guidance of **Ms.Nethravathi A.M** during the period 2021-22.

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PROJECT WORK CERTIFICATE

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BI BI JAWERIYA	S1908097
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Has satisfactorily completed the project work entitled
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2) *Vidya Salimath*

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with date.

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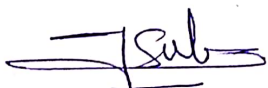


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RAMYA D M	S1908369
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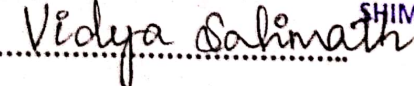
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Dr. VIDHYASHANKAR M H
Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga -577203

Name of Examiner

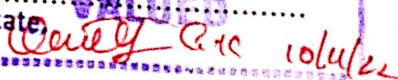
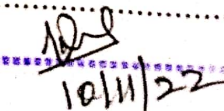
1)  (Constituent College of Kuvempu University)

2)  SHIMOGA, Karnataka State


PRINCIPAL

SAHYADRI SCIENCE COLLEGE

Signature of Examiner

1 
2 
10/11/22

Date of Examination: _____

Examination Center: Sahyadri Science College, Shivamogga-577203

Signature of Examiners
with date.





**DEPARTMENT OF COMPUTER SCIENCE
SAHYADRI SCIENCE COLLEGE
SHIVAMOGGA**

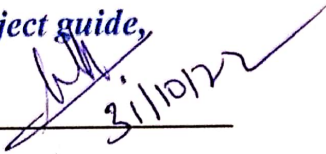
CERTIFICATE

This is to certify that the project work entitled

“E-TENNANT PORT”

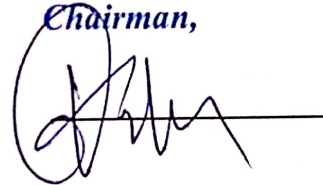
Is a bonafide work carried out by **Arpitha K Giddannanavar** bearing register no **S1908064**, **Kavana P** bearing register n **S1908197**, **Rechal** bearing register no **S1908381**, **Soundarya C** bearing register no **S1908486** and **Yashaswini M S** bearing register no **S1908586** in partial fulfillment of the award of Bachelor of Science in Sahyadri Science College of Kuvempu University, during the academic year 2021 - 22.

Project guide,


3/11/22

Mr. NARASIMHA MURTHY S
Lecturer
Department of Computer Science
Sahyadri Science College
Shivamogga

Chairman,



Dr. VIDYASHANKAR M H
Head of the Department
Department of Computer Science
Sahyadri Science College,
Shivamogga

Name of Examiners

- 1 **Vanetha . G.S**
2 **Vidya Sakmath**


PRINCIPAL

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

Signature of Examiners

VALUED
1 **Vanetha . G.S** 10/11/22
2 **Vidya Sakmath** 10/11/22
Signature of Examiners with date.

Date of Examination: 10/11/22

Place of Examination: Sahyadri Science College, Shivamogga.





DEPARTMENT OF COMPUTER SCIENCE
SAHYADRI SCIENCE COLLEGE
SHIVAMOGGA

CERTIFICATE

This is to certify that the project work entitled

“RESTAURANT MENU”

Is a bonafide work carried out by **SHASHANK J M , VATSANAB B SINDHE , VINAY KUMAR B T, VISHWESH C H** bearing Register No **S1808497, S1808593, S1808610, S1808619**. In partial fulfillment of the award of Bachelor of Science, in Sahyadri Science College of Kuvempu University, during the academic year 2020-21.

Project Guide

Chairman

Ms. Asha S
 7/10/21

Ms. ASHA. S

Department of Computer Science
 Sahyadri Science College
 Shivamogga

Dr. Vidyashankar M H

Department of Computer Science
 Sahyadri Science College
 Shivamogga

Name of Examiners

Signature of Examiners

1

1

2

2

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

Date of examination:

Examination Center: Sahyadri Science College Shivamogga-577203

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that the project work entitled **“HAND GESTURE PRESENTATION”** has been carried out by the student of 6th semester BSc course under our supervision and guidance.

SUBMITTED BY

BHUVANESHWAR MC S1908095
SUSHMA R BYADAGI S1908522
PAVANBRAHMA G S S1808338

This project submitted in partial fulfillment of the requirements for the award of the under graduate in **BACHELOR OF SCIENCE** prescribed by the **KUVEMPU UNIVERSITY** during the academic year **2021-22**.

I further certify that the work is original and has not been submitted to any other university wholly or in part for any other degree.

Mr. MUSHEER AHMED

PROJECT GUIDE

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Dr. VIDYASHANKAR M.H

CHAIRMAN

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

PRINCIPAL

Name of Examiner

- 1).....*Vanitha. E.V.*.....
- 2).....*Vidya Sahinath*.....

Signature of Examiners

(Constituent College of Kuvempu University)
SHIVAMOGGA, Karnataka State.

1.....*Vanitha. E.V.*.....
2.....*Vidya Sahinath*.....
10/11/22

Signature of Examiners

Date of examination: _____

Examination Center: Sahyadri Science College, Shivamogga-577203

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that

AKHILA L.S	S1908020
DIVYASHREE G.M	S1908151
MADHUSUDAN M	S1908242
PAVANKUMAR G	S1908309
RACHANA A.K	S1908354

Has satisfactorily completed the project work entitled

**“SECURE VOTER AUTHENTICATION FOR MORE RELIABLE
ONLINE VOTING PROCESS”**

Submitted In Partial Fulfilment of The Requirements for The Award Of The Under
Graduate In **Bachelor Of Science (BSc)** By The **Kuvempu University** During The
Academic Year 2021-22.

Mr. ARUNKUMAR N.B. 7/11/22

Lecturer

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Dr. VIDYASHANKAR M.H.

Project Guide & Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

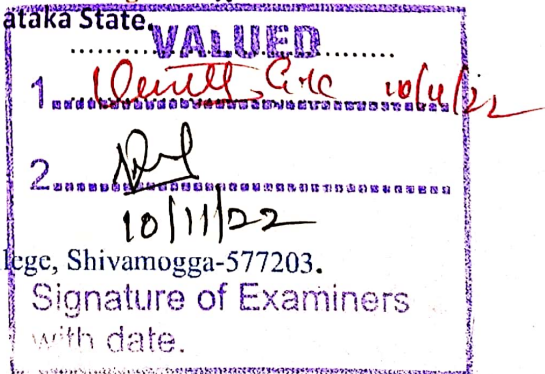
Name of Examiner (Constituent College of Kuvempu University) of Examiner
SHIMOGA, Karnataka State.

- 1).....*Vanitha - G.H*
- 2).....*Vidya Salimath*

Date of examination: 10/11/22

Examination Centre: Sahyadri Science College, Shivamogga-577203.

Signature of Examiners
with date.



SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that

IRFAN	S1908183
KOMALESH P K	S1908220
NAGARAJ D	S1908269
VARUN H N	S1908561
SHAILESH T C	S1908693

Has satisfactorily completed the project work entitled **“ONLINE FOOD AND CIVIL SUPPLISE MANAGEMENT”** submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF SCIENCE (BSC) by the KUVEMPU UNIVERSITY during the academic year 2021-22.


Mr. ANNAPPA S S

Project guide

Department of Computer Science
Sahyadri Science College
Shivamogga-577203


Dr. VIDYASHANKAR M.H

Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga-577203


PRINCIPAL

SAHYADRI SCIENCE COLLEGE

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

Name of Examiner

- 1) *Venitha - G. C*
- 2) *Vidya Sakinath*

Date of examination: _____

Examination Center: Sahyadri Science College, Shivamogga-577203

**Signature of Examiners
with date**

VALUED

1. *10/11/22*
2. *10/11/22*





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



Department of Environmental Science
Sahyadri science college
Shivamogga-577 203

CERTIFICATE

This is to certify that we are satisfactory completed project work entitled **“ROLE OF MEDICINAL PLANT GARDENS IN BIODIVERSITY CONSERVATION: OVERVIEW OF MEDICINAL PLANT GARDENS AT SHIVAMOGGA, KARNATAKA”** Submitted in fulfillment of requirement for the award of degree in Bachelor of Science(B.Sc) described by the **Kuvempu University Shivamogga**. During the academic year 2021-22

We further certify the work as not been submitted any where else for the award of any other degree.

Submitted by

ASHITHA A M S1908071
IBBANI H R S1908180

Guidance

Prema S.S
17/4/22
PREMA S S MSc, M.Phil, KSET
Lecturer
Department of Environmental Science
Sahyadri science college
Shivamogga-577 203

DR. PURSHOTHAM R
DR. PURSHOTHAM R .MSC, Ph.D, KSET
Lecturer
Department of Environmental Science
Sahyadri science college
Shivamogga-577 203

Date : 17/4/2022

Place : Shivamogga

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

External Examiner



Kuvempu University
ಕುವಂಪು ವಿಶ್ವವಿದ್ಯಾನಿಲಯ



Department of Environmental Science

**A Project Report on
A Study on Chicken Slaughter Waste Management in
Shivamogga**

Submitted in Partial fulfilment of the requirements for the award of degree
of Bachelor of Science in Sahyadri Science College Shivamogga During the
Academic Year 2021-22

Submitted by

Mr. GIIRISH N S1908632

Mr. KIRAN KUMAR. H S1908217

Mr. MANJUNATHA G S1908250

Dept. of Environmental Science
VALUED

V Semester – BSc
Sahyadri Science College
Shivamogga-577203

Date :
Examined :
1.

Guided By

Prema S.S.

Dr. Purushothama R MSc, PhD, KSET
Lecturer
Department of Environmental Science
Sahyadri Science College
Shivamogga-577203

Prema. S.S MSc, Mphil, KSET
Lecturer
Department of Environmental Science
Sahyadri Science College
Shivamogga-577203

Submitted To

Dr. Nagaraj Parisara MSc, PhD

Chairman
Department of Environmental Science
Sahyadri Science College
Shivamogga-577203

Pran
PRINCIPAL

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

2021- 22



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



Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203

CERTIFICATE


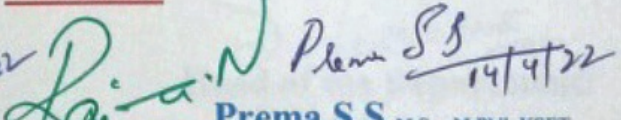
This is to certify that we are Satisfactorily completed the project work entitled **“HYGIENE AND SANITATION PRACTICES AMONG SLUM DWELLERS IN URBAN SLUM OF INDIRA BADHAVANE, SHIVAMOGGA”** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

Submitted By

AJITH KUMAR N R	S1908015
ROHAN TEJASHWI G	S1908390
DARSHAN R	S1908129

Guidance

 Dr. Purushothama. R M.Sc., Ph.D, KSET Lecturer Department of Environmental Science Sahyadri Science College Shivamogga-577203.	 Prema.S.S M.Sc., M.Phil. KSET PRINCIPAL Lecturer Department of Environmental Science (Constituent College of Kuvempu University) SHIMOGA, Karnataka State Shivamogga-577203.
--	---



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



Department of Environmental Science
Sahyadri Science College
Shivamogga - 577204

CERTIFICATE

This is to certify that we are Satisfactorily completed the project work entitled **"A Study on Plant Diversity in Urban Home Gradens in Gopala, Shimoga, Karnataka"** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

Submitted By

FASIHA BANU (S1908631)

JAYALAKSHMI G (S1908186)

KEERTHANA C M (S1908209)

Date: 17/04/22

Place: Shivamogga.

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

Head of the Department:

Dr. Nagaraj Parisara (M.Sc., Ph.D.)
Assistant Professor and HOD
Department of Environmental Science
Sahyadri Science College
Shivamogga - 577204



KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE
Shimoga

(A College with Potential for Excellence)



Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203

CERTIFICATE

This is to certify that we are Satisfactorily completed the project work entitled "**A Study on Integrated Farming Practises In Bavikere, Chikmangalur, Karnataka**" submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

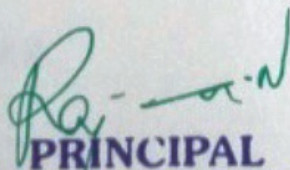
We further certify the work has not been submitted anywhere else for the award of any other degree.

Submitted By

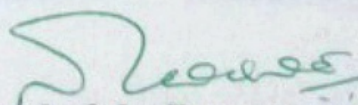
SAGAR K R	(S1908397)
HALASWAMY R M	(S1908165)
RANGAPPAGARI DEVARAJU	(S1908373)
RAKESH M	(S1808407)

Date: 17/04/2022

Place: Shivamogga.


PRINCIPAL

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


Head of the Department:

Dr. Nagaraj Parisara M.Sc., Ph.D.
Assistant Professor and HOD
Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203



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



Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203

CERTIFICATE

This is to certify that we are Satisfactorily completed the project work entitled **STUDY OF PLANT DIVERSITY IN FEW PARKS OF SHIVAMOGGA, CITY KARNATAKA, INDIA** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

Submitted By

BHUMIKA C S1908093

PUSHPA S S1908352

SHYLASHREE B L S1908465

Date:
Examiner:

1

2

Date: 17/04/2022

Place: Shivamogga.

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGGA, Karnataka State

Head of the Department:

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

Assistant Professor and HOD

Department of Environmental Science

Sahyadri Science College

Shivamogga - 577203



KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE
 Shimoga



(A College with Potential for Excellence)

Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203

CERTIFICATE

This is to certify that we are Satisfactorily completed the project work entitled **“MANAGEMENT OF KITCHEN WASTE AND PRODUCTION OF VERMICOMPOSTING USING EISENIA FOETIDA”** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

Submitted By

TEJASWINI M B **S1908539**

Dept. of Ent. Science **THA S A** **S1908579**
VALUED

MONIKA S **S1908267**

Date :

Examining:

- 1.
- 2.

Date:

Place: Shivamogga.

[Signature]
PRINCIPAL
SAHYADRI SCIENCE COLLEGE
 (Constituent College of Kuvempu University)
 SHIMOGGA, Karnataka State.

[Signature]

Head of the Department:

Dr. Nagaraj Parisara M.Sc., Ph.D.
 Assistant Professor and HOD
 Department of Environmental Science
 Sahyadri Science College
 Shivamogga - 577203



KUVEMPUNIVERSITY
SAHYADRI SCIENCE COLLEGE
Shimoga
(A College with Potential for Excellence)



Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203

CERTIFICATE

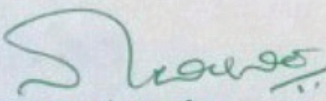
This is to certify that we are Satisfactorily completed the project work entitled **“STUDY OF TRADITIONAL ORGANIC PREPARATION BEEJAMRITA FOR SEED TREATMENT”** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

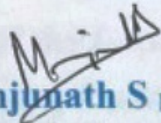
Submitted By

PUSHPA.C.M	S1908351
SAHANA.S.H	S1908689
VIJAYALAKSHMI.R	S1908575

Guidance


Dr. Nagaraj parisara M.Sc., Phd
Chairman

Department of Environmental Science
Sahyadri Science College
Shivamogga-577203.


Dr. Manjunath S M.sc Phd KSET
Lecturer

Department of Environmental Science
Sahyadri Science College
Shivamogga-577203.


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



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



Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203

CERTIFICATE

This is to certify that we are Satisfactorily completed the project work entitled **“PHYTOREMEDIATION OF RIVER WATER USING CERTAIN AQUATIC MACROPHYTES”** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

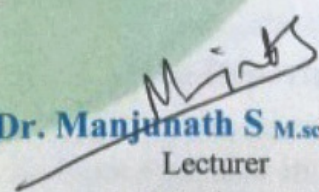
Submitted By

LAHARI.B	S1908654
NAYANA.M.R	S1908279
SHOBHA.M.K	S1908695

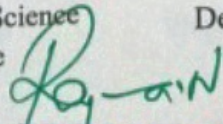
Guidance


Dr. Nagaraj Parisara M.Sc., Phd
Chairman

Department of Environmental Science
Sahyadri Science College
Shivamogga-577203.


Dr. Manjunath S M.Sc Phd KSET
Lecturer

Department of Environmental Science
Sahyadri Science College
Shivamogga-577203.


PRINCIPAL

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



ಕುವೆಂಪು ವಿಶ್ವವಿದ್ಯಾಲಯ
KUVEMPU UNIVERSITY



SCIENCE COLLEGE

SHIVAMOGGA 577203
(A COLLEGE WITH POTENTIAL FOR EXCELLENCE)

DEPARTMENT OF ENVIRONMENTAL SCIENCE

Certificate

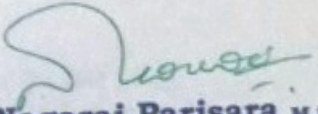
This is to certify that I am satisfactory completed the project work entitled "*A Carbon Sequestration Potential Tree Species In Muddina Koppa Tree Park*" submitted in fulfillment of the requirement for the award of degree in Bachelor of Science (B.Sc) describe by the Kuvempu University, Shivamogga. During the academic year 2021-22.

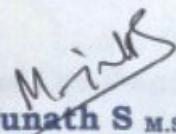
We further certify the work has not been submitted anywhere else for the award of any other degree.

Submitted By

Arun S.	S1908608
Shridhara K.S.	S1908704
Nandan R.	S1908271

Guidance


Dr. Nagaraj Parisara M.Sc. Ph.D
Chairman
Dept of Environmental Science
Sahyadri Science College,
Shivamogga


Dr. Manjunath S M.Sc. Ph.D. KSET,
Lecturer
Dept of Environmental
Science Sahyadri Science
College, Shivamogga

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



KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE
 Shimoga



(A College with Potential for Excellence)

Department of Environmental Science

Sahyadri Science College

Shivamogga - 577204

CERTIFICATE

This is to certify that we are Satisfactorily completed the project work entitled **“A STUDY ON RITUALISTIC PRACTICE AND RIVER POLLUTION; A CASE STUDY OF RIVER TUNGA IN SHIVAMOGGA CITY”** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

Submitted By

NISHCHITHA H R **S1908293**

RAMYA S S **S1908371**

RASHMI D H **S1908379**

SANJAYKUMAR R M **S1908692**

Dept of Env Science
 VALUED

Date: 17/04/22
 Examiner: [Signature]

Date: 17-04-2022

Place: Shivamogga.

[Signature]
PRINCIPAL

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

[Signature]

Head of the Department:

Dr. Nagaraj Parisara (M.Sc., Ph.D.)
 Assistant Professor and HOD
 Department of Environmental Science
 Sahyadri Science College
 Shivamogga - 577203



KUVEMPU UNIVERSITY
SAHYADRI SCIENCE COLLEGE
Shimoga



(A College with Potential for Excellence)

Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203

CERTIFICATE

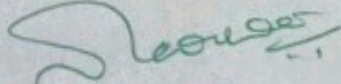
This is to certify that we are Satisfactorily completed the project work entitled **“DOCUMENTATION OF MEDICINAL PLANTS IN MALLADIHALLI CHITRADURGA DISTRICT, KARNATAKA”** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

Submitted By

SANGEETHA K M	S1908690
SWATHI BAI H	S1908712
PRATHIBHA H K	S1908335

Guidance


Dr. Nagaraj parisara M.Sc., Phd

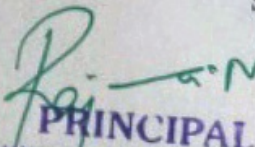
Chairman

Department of Environmental Science
Sahyadri Science College
Shivamogga-577203.


Dr. Manjunath S M.sc Phd KSET

Lecturer

Department of Environmental Science
Sahyadri Science College
Shivamogga-577203.


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



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



Department of Environmental Science
Sahyadri Science College
Shivamogga - 577203

CERTIFICATE

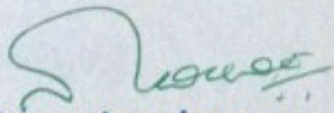
This is to certify that we are Satisfactorily completed the project work entitled **“AQUATIC BIRD DIVERSITY OF DIFFERENT WATER BODIES OF SHIVAMOGGA DISTRICT, KARNATAKA”** submitted in fulfilment of the requirement for the award of degree in Bachelor of Science (B.Sc.), describe by the Kuvempu University Shivamogga. During the academic year 2021-22.

We further certify the work has not been submitted anywhere else for the award of any other degree.

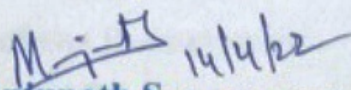
Submitted By

ANJALI A	S1908043
POOJA M G	S1908317
SOWMYA M G	S1908702

Guidance


Dr. Nagaraj parisara M.Sc., Phd
Chairman

Department of Environmental Science
Sahyadri Science College
Shivamogga-577203.


Dr. Manjunath S M.Sc Phd KSET
Lecturer

Department of Environmental Science
Sahyadri Science College
Shivamogga-577203.


PRINCIPAL

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

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that

GOWTHAMI K	BC191836
MUSKAN D I	BC191858
AYESHA SIDDIQA A	BC191820
AMEENA TAHREEN	BC191809
MAHIMA A	BC191850

Has satisfactorily completed the project work **“VOICE CONTROLLED WHEEL CHAIR USING ALEXA ASSISTANT”** submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-22.

Rashmi V
Mrs.Rashmi V 28/10/2022

Dr. Vidyashankar M.H
Dr. Vidyashankar M.H

Project Guide&Lecturer
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Chairman
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

P. Srinivas
PRINCIPAL

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

1. *[Signature]*
2. *[Signature]*

VALUED
1. *[Signature]*
2. *[Signature]*

Date of examination: 08-11-22

Examination Center: Sahyadri Science College, Shivamogga-577203

SAHYADRI SCIENCE COLLEGE

Department of Computer Science

Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that

KAVYA K S BC191843

DEEKSHA K S BC191830

LAKSHMI M O BC191847


ASHWINI K S BC191819

NAMITHA P B BC191860

Has satisfactorily completed the project work **“MEDIA CHAT USING MACHINE LEARNING”** submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-22.


Er. Bedre Nagaraj BE (CS&E)
M.TECH(CS&E)

Project Guide Lecturer
Department of Computer Science
Sahyadri Science College
Shivamogga-577203



Dr. Vidyashankar M.H
Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Name of Examiner

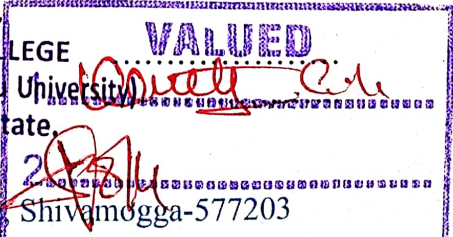

PRINCIPAL

Signature of Examiner

1.  SAHYADRI SCIENCE COLLEGE
 2.  (Constituent College of Kuvempu University)
- SHIMOGGA, Karnataka State.

Date of examination: 08/11/2022

Examination Center: Sahyadri Science College, Shivamogga-577203


Signature of Examiners
with date.

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

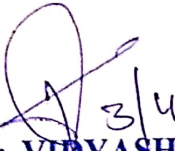
This is to certify that

BHARATI MUDIGOUDRA (BC191822)


BHARGAVI BHAT (BC191823)

MONICA M (BC191857)

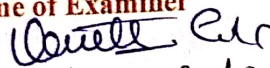
Has satisfactorily completed the project work entitled "**Mushroom Classification**" submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-22.


Dr. VIDYASHANKAR M.H.

Project Guide & Chairman
Assistant Professor and Head
Department of Computer Science

Sahyadri Science College
Shivamogga-577203

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

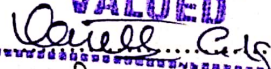
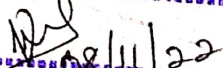
Name of Examiner

1. 
2. Vidya Salinath

Date of examination: 08/11/2022

Examination Center: Sahyadri Science College Shivamogga-577203

Signature of Examiner

VALUED
1. 
2.  08/11/22
Signature of Examiner
with date.

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that


DIVYA .R	BC190635
HARSHITH .B.K	BC191936
JEEVIKA B.S	BC191840
MEGHA .N.YADRAMI	BC191938
M.NAGARJUNA SAGAR	BC191940

Has satisfactorily completed the project work entitled "**STUDENT INFORMATION CHATBOT WEBSITE**" submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPUNIVERSITY during the academic year 2021-22.


Mr. MUSHEER AHMED

Project Guide

Department of Computer Science
Sahyadri Science College
Shivamogga-577203



Dr. VIDYASHANKAR M.H

Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Name of Examiner

- 1) NAJMUDDIN (Constituent College of Kuvempu University), SHIVAMOGGA, Karnataka State
- 2) Vidya Sahasrath

Date of examination: 9/11/22

Examination Center: Sahyadri Science College, Shivamogga-577203

Signature of Examiner

VALUED
Najmuddin 9/11/22
Vidya Sahasrath 9/11/22
Signature of Examiners

SAHYADRISCIENCECOLLEGE

Department of Computer Science

Shivamogga - 577203



PROJECT WORK CERTIFICATE

This is to certify that

DEEPA H S	BC191831
CHAYA M B	BC191826
MALLIKARJUNAYYA H G	BC191851

Has satisfactorily completed the project work entitled "**WEB BASED ANDROID BLOOD BANK APPLICATION**" submitted in partial fulfilment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-2022

.....
Mr. ANNAPPA. S. S

Lecturer

Department of Computer Science
Sahyadri Science College
Shivamogga -577203

.....
Dr. VIDYASHANKAR M. H

Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Name of Examiner

- 1)
- 2)

Signature of Examiner

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
Constituent College of Kuvempu University
Shivamogga, Karnataka State

VALUED

1.

2.

Signature of Examiners
with date.

Date of examination: _____

Examination Center: Sahyadri Science College, Shivamogga-577203

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga – 577203

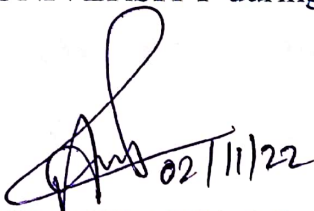



PROJECT WORK CERTIFICATE

This is to certify that



KARTHIK J B	BC191841
MANOJ P R	BC191853
NAVEEN B L	BC191861
NEHA H R	BC191863

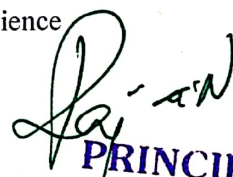
Has satisfactorily completed the project work entitled “**AGRICULTURE ASSIST USING MACHING LEARNING**” submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OFCOMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-22.


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


Dr. VIDYASHANKAR M. H
Project Guide & Chairman
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Name of Examiner

- 1) 
2) 


PRINCIPAL

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



Date of examination: 

Examination Center: Sahyadri Science College, Shivamogga-577203

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that

MOHAMMED TOUFIQ	BC191939
SYED YASEEN	BC191918
UMAR R.H	BC191921
SAHANA YADAV C	BC191896

Has satisfactorily completed the project work entitled
"STUDENT TRACKING SYSTEM" submitted in partial fulfillment of
the requirements for the award of the under graduate in BACHELOR OF
COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY
during the academic year 2021-22.


NARASIMHA MURTHY.S

Project Guide

Department of Computer Science
Sahyadri Science College
Shivamogga-577203


DR. VIDYASHANKAR M.H

Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Name of Examiner

1)..... NAJMUUNNISA

2)..... Vidya Salimath

PRINCIPAL

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

Signature of Examiner

VALUED
Najmunnisa 9/11/22
2 09/11/22

Date of examination: _____

Examination Center: Sahyadri Science College, Shivamogga-577203

Signature of Examiners
with date

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that

NAME AND REGISTER NUMBER OF ALL CANDIDATES

Chethan A	BC191828
Nishanth K R	BC191865
Bhoomika P B	BC191824
Jayashree G	BC191839
Bhoomika H M	BC191933

Has satisfactorily completed the project work entitled "**SMART IRRIGATION SYSTEM**" submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPUNIVERSITY during the academic year 2022-23.


Mr. SHANKAR N B.E., M.Tech

Project Guide

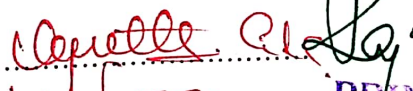
Department of Computer Science
Sahyadri Science College
Shivamogga-577203


Dr. VIDYASHANKAR M.H

Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Name of Examiner

1) .....

2) .....

PRINCIPAL

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


Date of examination: _____

Examination Center: Sahyadri Science College, Shivamogga-577203
with date.

Signature of Examiner

VALUED

1 .....

.....

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE


This is to certify that

PRATAP SHIVASHANKAR H B	BC191872
SANGAMESH M D	BC191126
PUNITH KUMAR H R	BC191874
SAGAR NAIK N J	BC191889
YUVARAJA H	BC191949

Has satisfactorily completed the project work entitled **“SMART AGRICULTURE”** submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-22.


Mr. MUSHEER AHMED

Lecturer
Department of Computer Science
Sahyadri Science College
Shivamogga-577203


Dr. VIDYASHANKAR M.H

Chairman
Department of Computer Science
Sahyadri Science College
Shivamogga-577203


PRINCIPAL

SAHYADRI SCIENCE COLLEGE

Name of Examiner (Constituent College of Kuvempu University)
SHIMOGGA, Karnataka State.

Signature of Examiner

- 1)..... Najmunnisa
- 2)..... Vidya Sahenrath

Date of examination: 09/11/2022

Examination Center: Sahyadri Science College, Shivamogga-577203

VALUED	
1.....	<u>Najmunnisa 09/11/22</u>
2.....	<u>Vidya 09/11/22</u>
Signature of Examiners	
with date.	

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that

MANOJ.G.S BC191852
MADHUNAG.M BC191849
BASSKAR.M BC191932

Has satisfactorily completed the project work entitled
“THIRD EYE FOR BLIND” submitted in partial fulfilment of the
requirements for the award of the under graduate in BACHELOR OF
COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY
during the academic year 2021-22.

.....
28/10

Mr.ANNAPPA.S.S

Lecture
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

Name of Examiner (Constituent College of Kuvempu University)
SHIMOGGA, Karnataka State.

- 1)
2)

Date of examination: _____

Examination Centre: Sahyadri Science College, Shivamogga-577203

.....
31/10

Dr. VIDYASHANKAR M.H

Project Guide & Chairman
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Signature of Examiner

VALUED
1
2

Signature of Examiners
with date

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203

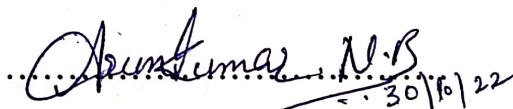


PROJECT WORK CERTIFICATE

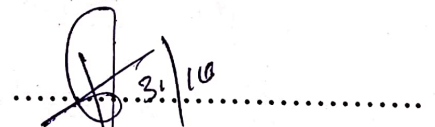
This is to certify that

ANJALI B O	BC191814
CHAITHRA D M	BC191825
HARSHITHA R	BC191838
MEGHA G P	BC191854

Has satisfactorily completed the project work entitled
“CREDIT CARD FRAUD DETECTION” submitted in partial
fulfilment of the requirements for the award of the under graduate in
BACHELOR OF COMPUTER APPLICATION (BCA) by the
KUVEMPU UNIVERSITY during the academic year 2021-22.


.....
Mr. ARUN KUMAR .N. B

Lecturer
Department of Computer Science
Sahyadri Science College
Shivamogga-577203


.....
Dr. VIDYASHANKAR M.H

Project Guide & Chairman
Department of Computer Science
Sahyadri Science College
Shivamogga-577203

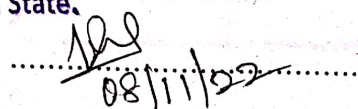
Name of Examiner


PRINCIPAL

Signature of Examiner

- 1).....
2).....
SAHYADRI SCIENCE COLLEGE
Constituent College of Kuvempu University,
SHIVAMOGGA, Karnataka State.

Date of examination: 08/11/2022


.....
08/11/22

Examination Center: Sahyadri Science College, Shivamogga-577203



SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that

AMRUTHA B (BC191812)

CHEZHAN G (BC191827)

KAVANA M S (BC191842)

KIRAN S (BC191844)

Has satisfactorily completed the project work entitled

“COST EFFICIENT HOME SURVEILLANCE SYSTEM”

submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-22.

Rashmi V 31/10/2022
Mrs. RASHMI V

Dr. Vidyaashankar M.H
Dr. VIDYASHANKAR M.H

Project Guide name and Designation

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Project Guide & Chairman

Department of Computer Science
Sahyadri Science College
Shivamogga-577203

Principal
PRINCIPAL
SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University) of Examiner
SHIMOGGA, Karnataka State.

Name of Examiner

1).....

2)..... *Vidya Sahinath*

Date of examination: _____

Examination Center: Sahyadri Science College, Shivamogga-577203

VALUED	
1
2 <i>02/11/22</i>
Signature of Examiners with date.	

SAHYADRI SCIENCE COLLEGE

Department of Computer Science

Shivamogga -577203



PROJECT WORK CERTIFICATE

This is to certify that

ANUSHA K	BC191816
MEGHANA D S	BC191855
ANUSHA D	BC191815
HARSHITHA B	BC191856

Has satisfactorily completed the project work entitled "ARTIFICIAL INTELLIGENCE OF POULTRY FARMING" Submitted in the partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATIONS (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-2022.

Rashmi V
31/10/2022

Ms. RASHMI V
Project guide
Dept. of Computer science
Sahyadri Science College
Shivamogga - 577204

Dr. Vidyashankar M. H
31/10

Dr. VIDYASHANKAR. M. H
Chairman,
Dept. of Computer Science
Sahyadri Science College
Shivamogga - 577204

Name of Examiner

P. a. a.
PRINCIPAL

Signature of Examiner

1)..... (Constituent College of Kuvempu University)

SAHYADRI SCIENCE COLLEGE
SHIMOGA, Karnataka State

VALUED

2)..... *Vidya Salinath*

2)..... *Dr. Vidyashankar M. H*
08/11/22

Date of Examination: ...08/11/22...

Signature of Examiners

Examination Center: Sahyadri Science College, Shivamogga - 577203

SAHYADRI SCIENCE COLLEGE
Department of Computer Science
Shivamogga-577203



PROJECT WORK CERTIFICATE

This is to certify that the project work entitled "**DROWSINESS ECTION WHILE DRIVING**" has been carried out by the student of 6th semester BCA course under our supervision and guidance.

SUBMITTED BY

PALLAVI G R	BC191942
PREMA H J	BC191873
SHALINI A	BC191898
SUSHMA U V	BC191946
YASHASWINI B J	BC191928

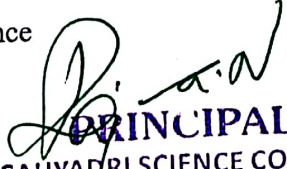
Has satisfactorily completed the project work entitled "**DROWSINESS DETECTION WHILE DRIVING**" submitted in the partial fulfillment of the requirements for the award of the undergraduate in **BACHELOR OF COMPUTER APPLICATIONS** by Kuvempu University during the academic year 2021-22.


Mr. S NARASIMHA MURTHY
GUIDE

Department of Computer Science
Sahyadri Science College
Shivamogga-577203


Dr. VIDYASHANKAR M.H
Head Of The Department

Department of Computer Science
Sahyadri Science College
Shivamogga-577203


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

Name of Examiner

- 1) NAJMUUNISA
- 2) Vidya Sahinath

Date of examination: 9/11/22

Examination Center: Sahyadri Science College, Shivamogga-577203

Signature of Examiner

VALUED
1. Najmuunisa 9/11/22
2. Vidya 9/11/22

Signature of Examiners

SAHYADRI SCIENCE COLLEGE

Department of Computer Science

Shivamogga-577203



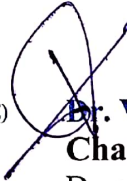
PROJECT WORK CERTIFICATE

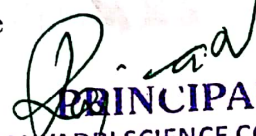
This is to certify that

ABHILASH S	BC191801
AKASH C N	BC191806
ABHISHEK H S	BC191802
AMITHA K S	BC191811

Has satisfactorily completed the project work entitled **“IMPLEMENTATION OF CHATBOT SYSTEM”** submitted in partial fulfillment of the requirements for the award of the under graduate in BACHELOR OF COMPUTER APPLICATION (BCA) by the KUVEMPU UNIVERSITY during the academic year 2021-22.


Er. BEDRE NAGARAJ BE(CS&E) M.TECH(CS&E)
Project Guide & Lecturer
Department of Computer Science
Sahyadri Science College
Shivamogga-577203


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


PRINCIPAL
SAHYADRI SCIENCE COLLEGE
Constituent College of Kuvempu University
SHIMOGGA, Karnataka State.

Name of Examiner
1).....
2) Vidya Salimath

Date of examination: 08/11/2022

Examination Center: Sahyadri Science College, Shivamogga-577203

Signature of Examiner
VALUED
1
2
08/11/22
Signature of Examiners
with date.

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled “**Biochemical characterization of *Moringa oleifera* (drumstick) and *Benincasa hispida* (ash gourd) seed oil**” submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Syeda Nimra** is the result of bonafide project work carried out by her under the guidance of **Ms. Syeda Misha Fathima**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

I further certify that this or part thereof has not been previously formed the basis of the award of any degree, associateship, fellowship etc. of any other University or Institution.


Date: 12. 10. 2022. *Valued*

Place: Shivamogga

12/10/2022
1) Syeda Misha Fathima

2) Prabhakar B T


PG Coordinator
P.G. Department of Biotechnology
Sahyadri Science College
(Dr. Prabhakar B-T)
Kuvempu University
Shimoga-577 203, Karnataka.


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


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled “**Molecular docking and Pharmacokinetic study of Indole derivatives against bacterial cell wall syntetic enzyme GlmU**” submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Vikas T N** is the result of bonafide project work carried out by him under the guidance of **Dr. Pradeepa K**, Assistant professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

I further certify that this or part thereof has not been previously formed the basis of the award of any degree, associateship, fellowship *etc.* of any other University or Institution.

Date : 12-10-2022

Place: Shivamogga


PRINCIPAL

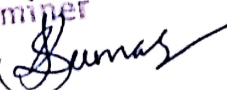
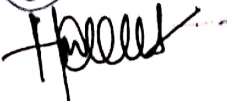
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.



PG Coordinator

Department of Biotechnology
(Dr. Prabhakar B T)
Sahyadri Science College

Kuvempu University
Shimoga-577 203, Karnataka.

/ VALUED
Date... 12/10/2022
Examiner
1) 
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Production and purification of anti-garlic lectin polyclonal antibody**" submitted to the Sahyadri Science College, Kuvempu University Shivamogga for the award of Master of Science in Biotechnology to **Mr. Veerendra M** is the result of bonafide project work carried out by him under the guidance of **Dr. Prabhakar B T.**, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

I further certify that this or part of this has not been previously formed the basis of the award of any degree, associateship, fellowship *etc.* of any other University or Institution.

Date :

Place: Shivamogga
Constituent College of Kuvempu University
SHIMOGA, Karnataka State.


PRINCIPAL

SAHYADRI SCIENCE COLLEGE



CPG Coordinator

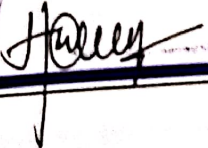
Department of Biotechnology

(Dr. Prabhakar B T)

Kuvempu University

Shivamogga-577 203, Karnataka.

VALUED
Date: 12/10/2022
Examiner

1) /
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "Evaluation of Quality Characteristics of sheep meat (*Ovis aries*) in and around Shivamogga ." submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Tudki Avinash Chandramohan** is the result of bonafide project work carried out under the guidance of **Dr. Pallavi.M.**, Lecturer Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

I further certify that this or part thereof has not been previously formed the basis of the award of any degree, associateship, fellowship etc. of any other University or Institution.


PRINCIPAL



SAHYADRI/SCIENCE COLLEGE PG Co-ordinator

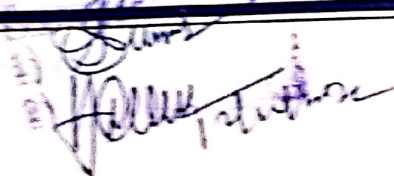
Date : 12 - 10 - 2022 Sahyadri Science College of Kuvempu University, Department of Biotechnology

Place: Shivamogga

SHIMOGGA, Karnataka State (Dr. Prabhakar B T)

Kuvempu University
Shivamogga-577 203, Karnataka.

VALUED
Date 12/10/2022




KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.


CERTIFICATE

This is to certify that the project report entitled "**Delineating the anti tumour efficacy of *Moringa oleifera* crude aqueous leaf extract on human Glioblastoma cell lines**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Ramya A M** is the result of bonafide project work carried out by her under the guidance of **Dr. Prabhakar B T**, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date : 12-10-2022

Place: Shivamogga


PRINCIPAL

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



PG Coordinator

(Dr. Prabhakar B T)

VALUED
Date... 12/10/22
Examiner




12/10/22

P.G. Department of Biotechnology
Sahyadri Science College,
Kuvempu University
Shivamogga-577 201, Karnataka.


KUVEMPU UNIVERSITY

Department of Biotechnology


Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE


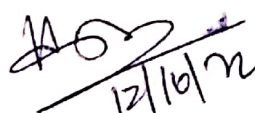
This is to certify that the project report entitled "**Elemental analysis, Phytochemical Screening and Biological activity of lichens Parmotrema reticulatum Taylor and Ramalina conduplicans Vain**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Spoorthy Kamath** is the result of bonafide project work carried out by her under the guidance of **Dr. Ramesh C K.**, Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

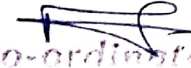
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PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGGA, Karnataka State.

Date : 12-10-2022

Place: Shivamogga

VALUED
Date... 12/10/22
Examiner
1) 
2) 
12/10/22


Co-ordinator
Dr. Prabhakar B T
P.G. Department of Biotechnology
Sahyadri Science College
Kuvempu University
PG Coordinator
Shimoga-577 203, Karnataka.


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Production and purification of anti-garlic lectin polyclonal antibody**" submitted to the Sahyadri Science College, Kuvempu University Shivamogga for the award of Master of Science in Biotechnology to **Mr.Yogesh H K** is the result of bonafide project work carried out by him under the guidance of **Dr. Prabhakar B T.**, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date : 12/10/2022

Place: Shivamogga



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



PG Coordinator
(Dr. Prabhakar B T)

SAHYADRI SCIENCE COLLEGE
Kuvempu University
Shimoga-577 203, Karnataka.


VALID

Date: 12/10/2022

Examiner



12/10/22


KUVEMPU UNIVERSITY
Department of Biotechnology


Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "ADHATODA VASICA:ANTIBACTERIAL ACTIVITY OF LEAF METHANOLIC EXTRACT AGAINST BACTERIA ISOLATED FROM MASTITIS OF DAIRY COWS" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by Mr.Yogeshwar T, is the result of bonafide project work carried out by him under the guidance of Ms. Nethravathi A M. Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date: 12/10/2022
Place: Shivamogga

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

PG Coordinator

(Dr. Prabhakar B T)

VALUED
Date: 12/10/22
Examiner
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KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

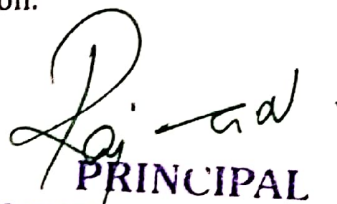
CERTIFICATE

This is to certify that the project report entitled "**Biopesticides: Role of microorganisms as pest control in agricultural crops**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Aradhana L** is the result of bonafide project work carried out by her under the guidance of **Ms. Syeda Misba Fathima**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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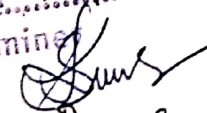
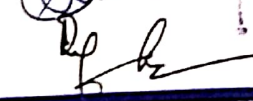

PRINCIPAL


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



PG Coordinator

P.G. Department of Biotechnology
(Dr. Prabhakar B T)
Sahyadri Science College,
Kuvempu University,
Shivamogga-577 202, Karnataka.

/ VALUED
Date... 12/10/22
Examiner
1) 
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled “**Biochemical characterization of *Moringa oleifera* (drumstick) and *Benincasa hispida* (ash gourd) seed oil**” submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Bi Bi Ayesha** is the result of bonafide project work carried out by her under the guidance of **Ms. Syeda Misba Fathima**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date :

Place: Shivamogga


PRINCIPAL

SAHYADRI SCIENCE COLLEGE

Constituent College of Kuvempu University,
SHIMOGA, Karnataka State.


PG Coordinator

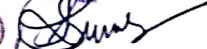

Department of Biotechnology
(Dr. Prabhakar B T)

Kuvempu University
Shimoga-577 203, Karnataka.

VALUED

Date: 12/10/2022

Examiner

1) 
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology


Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Evaluation of Quality Characteristics of Chicken (*Gallus gallus domesticus*) in and around Shivamogga Districts.**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Immaculate Harshitha A, Ms. Madhura H J, Ms. Kavya H R** is the result of bonafide project work carried out under the guidance of **Dr.C.K. Ramesh.**, Professor Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)
SHIVAMOGGA, Karnataka State

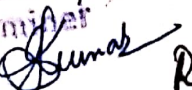
PG Coordinator and Head of the department

(Dr. Prabhakar B T)

Department of Biotechnology
Sahyadri Science College,
Kuvempu University
Shivamogga-577 203, Karnataka.

Date: 12/10/22

Place: Shivamogga

VALUED
Date... 12/10/2022
Examiner
1) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled “**Biochemical characterization of *Moringa oleifera* (drumstick) and *Benincasa hispida* (ash gourd) seed oil**” submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Arshiya Banu** is the result of bonafide project work carried out by her under the guidance of **Ms. Syeda Misba Fathima**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date :

Place: Shivamogga
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.


PRINCIPAL

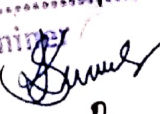

SAHYADRI SCIENCE COLLEGE



PG Coordinator

(Dr. Prabhakar B T)

P.G. Department of Biotechnology
Sahyadri Science College,
Kuvempu University
Shimoga-577 203, Karnataka.

VALUED
Date: 12/10/22
Examined by
1) 
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Phytochemical analysis, Antimicrobial, Antioxidant and Insecticidal activity of *Indigofera linnaei* (Leguminosae)**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Arathi G Y** is the result of bonafide project work carried out by her under the guidance of **Dr. Jamuna K.S.**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

I further certify that this or part thereof has not been previously formed the basis of the award of any degree, associateship, fellowship etc. of any other University or Institution.

Date: 11-10-22.


PRINCIPAL

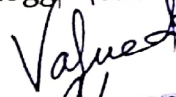
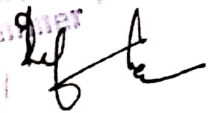

PG Coordinator

Place: Shivamogga (Constituent College of Kuvempu University),
SHIMOGA, Karnataka State.

SAHYADRI SCIENCE COLLEGE

(Dr. Prabhakar B T)
Co-ordinator

P.G. Department of Biotechnology
Sahyadri Science College,
Kuvempu University
Shimoga-577 203, Karnataka.

(1) 
(2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Biopesticides: Role of microorganisms as pest control in agricultural crops**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Meghana S** is the result of bonafide project work carried out by her under the guidance of **Ms. Syeda Misba Fathima**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date : 12-10-2022

Place: Shivamogga (Constituent College of Kuvempu University)
SHIMOGGA, Karnataka State.


PRINCIPAL

SAHYADRI SCIENCE COLLEGE P.G. Department of Biotechnology
(Dr. Prabhakar B T)
Sahyadri Science College
Kuvempu University
Shimoga-577 203, Karnataka.


PG Coordinator

VALUED

Date.....

Examiner

1) 

2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Phytochemical analysis, Antimicrobial, Antioxidant and Insecticidal activity of *Canscora diffusa (Gentianaceae)***" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Mohammed Faizan** is the result of bonafide project work carried out by her under the guidance of **Dr. Jamuna K.S.**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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PRINCIPAL

Date : 11/10/2022
Place: Shivamogga
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGGA, Karnataka State.


PG Coordinator

(Dr. Prabhakar B T)
Co-ordinator

P.G. Department of Biotechnology
Sahyadri Science College,
Kuvempu University
Shimoga-577 203, Karnataka.

VALUED
Date... 12/10/22
Examiner
1) 
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**In-vitro and In-silico analysis of three essential oils against *Fusarium oxysporum***" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Madan Kumar C A, Mr. Sanjay G and Mr. Rakshith D N** is the result of bonafide project work carried out by them under the guidance of **Dr. Pradeeepa K, Assistant Professor**, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGGA, Karnataka State.

Date : 12-10-2022

Place: Shivamogga

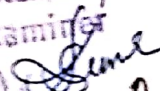
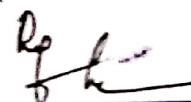


PG Coordinator

(Dr. Prabhakar B T)

Sahyadri Science College,
Kuvempu University,

Shimoga-577 203, Karnataka.

VALUED
Date... 12/10/2022
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KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
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CERTIFICATE

This is to certify that the project report entitled "**Phytochemical analysis, Antimicrobial, Antioxidant and Insecticidal activity of *Indigofera linnaei (Leguminosae)***" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Mahalakshmi D N** is the result of bonafide project work carried out by her under the guidance of **Dr. Jamuna K.S.**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date: 10/10/2022.


PRINCIPAL




SAHYADRI SCIENCE COLLEGE



PG Coordinator

Place: Shivamogga (Constituent College of Kuvempu University,
SHIMOGA, Karnataka State.

(Dr. Prabhakar B T)

P.G. Department of Biotechnology
Sahyadri Science College,
Kuvempu University
Shimoga-577 203, Karnataka.


Date: 12/10/2022
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KUVEMPU UNIVERSITY
Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
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Sahyadri Science College,
Shivamogga, Karnataka, India.


CERTIFICATE

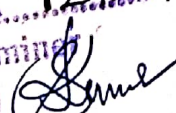
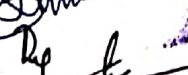
This is to certify that the project report entitled "**Evaluation of Quality Characteristics of pig meat (*Sus scrofa domesticus*) in and around Chikmagalur Districts.**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Besil C. P.** is the result of bonafide project work carried out under the guidance of **Dr. Pallavi.M.,** Lecturer Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

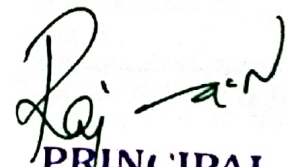
I further certify that this or part thereof has not been previously formed the basis of the award of any degree, associateship, fellowship *etc.* of any other University or Institution.

Date: 12-10-2022

Place: Shivamogga


PG Co-ordinator
P.G. Department of Biotechnology
Sahyadri Science College
(Dr. Prabhakar B T)
Kuvempu University
Shivamogga-577 203, Karnataka.

VALUED
Date: 12/10/22
Examined by
1) 
2) 


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

KUVEMPU UNIVERSITY

**Department of PG Studies and Research in Biotechnology,
Sahyadri Science College, Shivamogga**

Dr. Prabhakar B T
Associate Professor
and P.G Coordinator

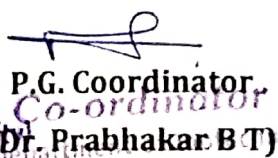
Department of P.G. Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "Evaluating the anti-proliferative activity of *Phyllanthus niruri* aqueous leaf extract on human breast cancer cell line" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Chandana S.P** is the result of bonafide project work carried out by him under the guidance of **Dr. Prabhakar B.T**, Associate Professor ,Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

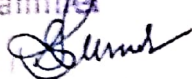
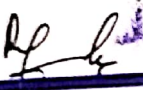
I further certify that this or part thereof has not been previously formed the basis of the award of any degree, associateship, fellowship etc. of any other University or Institution.


PRINCIPAL


P.G. Coordinator,
Co-ordinator

Date : 12-10-2022
Place: Shivamogga

SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.
P.G. Department
Sahyadri Science College,
Kuvempu University
Shimoga-577 206, Karnataka.

VALUED
Date... 12/10/2022
Examiner
1) 
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled “**Molecular docking and Pharmacokinetic study of Indole derivatives against bacterial cell wall syntetic enzyme GlmU**” submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Vikas T N and Mr. Harsha M** is the result of bonafide project work carried out by him under the guidance of **Dr.Pradeepa K**, Assistant professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date : 12-10-2022

Place: Shivamogga


PRINCIPAL


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


PG Coordinator

P.G. Department of Biotechnology
Sahyadri Science College
Kuvempu University
Shimoga-577 203, Karnataka.

VALUED
Date...12/10/2022

Examiner

- 1) 
- 2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.


CERTIFICATE

This is to certify that the project report entitled "**Comparative Analysis of the Antibacterial activity of Cinnamon oil along with other volatile oils**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Rachana M R** is the result of bonafide project work carried out by her under the guidance of **Mr. Abdul Shafiulla ., Lecturer**, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date : 12-10-2022

Place: Shivamogga


PRINCIPAL

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


PG Coordinator

PG. Department of Biotechnology
(Dr. Prabhakar B T)
Kuvempu University
Shimoga-577 203, Karnataka.

VALUED

Date...12/10/22

Examiner

1)  12/10/22

2)  12/10/22


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE


This is to certify that the project report entitled "**In-vitro and In-silico analysis of three essential oils against *Fusarium oxysporum***" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Madan Kumar C A, Mr. Sanjay G and Mr. Rakshith D N** is the result of bonafide project work carried out by them under the guidance of **Dr. Pradeeepa K**, Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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PRINCIPAL

SAHYADRI SCIENCE COLLEGE
Constituent College of Kuvempu University)
SHIMOGGA, Karnataka State.

Date : 12-10-2022
Place: Shivamogga


PG Coordinator

P.G. Department of Biotechnology
(Dr. Prabhakar B T)
Sahyadri Science College
Kuvempu University
Shivamogga-577 202, Karnataka

VALUED
Date: 21/10/22
Examiner

1) 
2) 


KUVEMPU UNIVERSITY

**Department of PG Studies and Research in Biotechnology,
Sahyadri Science College, Shivamogga**

Dr. Prabhakar B T
Associate Professor
and P.G. Coordinator

Department of P.G. Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.


CERTIFICATE


This is to certify that the project report entitled "Assessment of cytotoxic effect of *Alstonia scholaris* aqueous bark extract on human tongue cancer proliferation" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by Ms. MONISHA H M is the result of bonafide project work carried out by him under the guidance of Dr. Prabhakar B.T, Associate Professor ,Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfillment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

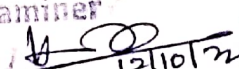
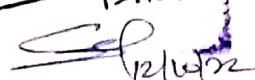
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Date : 12-10-2022

Place: Shivamogga


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


PG Coordinator
Dr. Prabhakar B T
Kuvempu University
Shimoga-577 203, Karnataka.

VALUED
Date: 12/10/22
Examiner
1)  12/10/22
2)  12/10/22


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Elemental analysis, Phytochemical Screening and Biological activity of lichens Parmotrema reticulatum Taylor and Ramalina conduplicans Vain**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Pooja R J** is the result of bonafide project work carried out by her under the guidance of **Dr. Ramesh C K.**, Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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

Date : 12-10-2022

Place: Shivamogga

VALUED

Date.....

Examiner

1) 
2) 



PG Coordinator
Dr. Prabhakar B T
P.G. Department of Biotechnology
Sahyadri Science College
Kuvempu University
Shimoga-577 203, Karnataka.


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Isolation, Extraction and Purification of Serratiopeptidase Enzyme from *Serratiamarcescens***" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Praveen S** is the result of bonafide project work carried out by him under the guidance of **Dr. Jamuna K.S.**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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PRINCIPAL

SAHYADRI SCIENCE COLLEGE
Constituent College of Kuvempu University
SHIMOGGA, Karnataka State.


PG Coordinator

Department of Biotechnology
(Dr. Prabhakar B T)
Kuvempu University
Shivamogga-577 203, Karnataka

VALUED

Date.....

Examiner


12/10/22


KUVEMPU UNIVERSITY

Department of Biotechnology

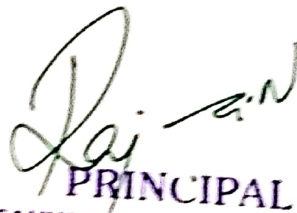
Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "In-vitro and In-silico analysis of three essential oils against *Fusarium oxysporum*" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Rakshith D N** is the result of bonafide project work carried out by him under the guidance of **Dr. Pradeeepa K**, Assistant Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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PRINCIPAL

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

Date : 12-10-2022

Place: Shivamogga


**Co-ordinator
PG Coordinator**

(Dr. Prabhakar B T)

Kuvempu University
Shimoga-577 203, Karnataka.

/ VALUED

Date.....

Examiner

1) 
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.



CERTIFICATE


This is to certify that the project report entitled "**Biopesticides: Role of microorganisms as pest control in agricultural crops**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Impana K C** is the result of bonafide project work carried out by her under the guidance of **Ms. Syeda Misba Fathima**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

I further certify that this or part thereof has not been previously formed the basis of the award of any degree, associateship, fellowship *etc.* of any other University or Institution.

Date : 12-10-2022

Place: Shivamogga

Valued


1) *[Signature]*
Examiner
2) *[Signature]*
3) *[Signature]*


Co-ordinator
PG Coordinator
P.G. Department of Biotechnology
Sahyadri **(Dr. Prabhakar B T)**
Kuvempu University
Shivamogga-577 203, Karnataka.


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


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Elemental analysis, Phytochemical Screening and Biological activity of lichens Parmotrema reticulatum Taylor and Ramalina conduplicans Vain**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Khamar Taj Khanum** is the result of bonafide project work carried out by her under the guidance of **Dr. Ramesh C K.**, Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.


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PRINCIPAL

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

Date : 12-10-2022

Place: Shivamogga


Dr. Prabhakar B T
PG Coordinator



12/10/22


KUVEMPU UNIVERSITY

**Department of PG Studies and Research in Biotechnology,
Sahyadri Science College, Shivamogga**

Dr. Prabhakar B T
Associate Professor
and P.G. Coordinator

Department of P.G. Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

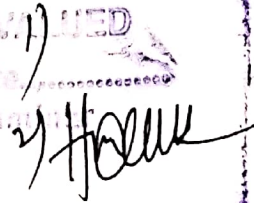
CERTIFICATE

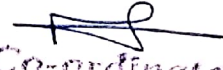
This is to certify that the project report entitled “**Phytochemical profiling and investigation of *Carica papaya* potential anticancer agent against breast cancer cell line**” submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Daniya Mehrin** is the result of bonafide project work carried out by him under the guidance of **Dr. Prabhakar B.T**, Associate Professor ,Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfillment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

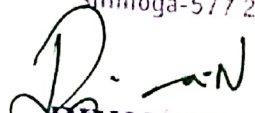
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Date : 12-10-2022

Place: Shivamogga


Date: _____
Place: _____
1) _____
2) _____


PG Coordinator
P.G. Department of Biotechnology
Sahyadri Science College
(Dr. Prabhakar B T)
Kuvempu University
Shimoga-577 203, Karnataka.


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


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "Isolation, Extraction and Purification of Serratiopeptidase Enzyme from *Serratiamarcescens*" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. HarshithKumar H J** is the result of bonafide project work carried out by him under the guidance of **Dr. Jamuna K.S.**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date: 12-10-2022

Place: Shivamogga



PG Coordinator

P.G. Department of Biotechnology
Sahyadri Science College
Kuvempu University
Shimoga-577 203, Karnataka,

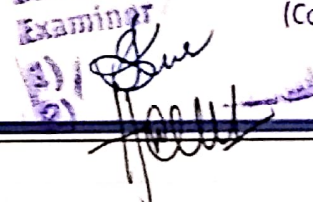
(Dr. Prabhakar B T)

Kuvempu University

Shimoga-577 203, Karnataka,


PRINCIPAL

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

VALUED
Date...12/10/2022
Examiner



KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Comparative Analysis of the Antibacterial activity of Cinnamon oil along with other volatile oils**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Ms. Trupthi A** is the result of bonafide project work carried out by her under the guidance of **Mr. Abdul Shafiulla .,Lecturer**, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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PRINCIPAL

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



PG Coordinator

P.G. Department of Biotechnology
(Dr. Prabhakar B T)
Kuvempu University
Shimoga-577 203, Karnataka

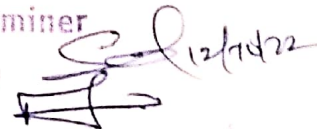
VALUED

Date..12/10/22

Examiner

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2)




KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

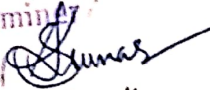
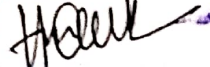
CERTIFICATE

This is to certify that the project report entitled "Isolation, Extraction and Purification of Serratiopeptidase Enzyme from *Serratiamarcescens*" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Chandan B S** is the result of bonafide project work carried out by him under the guidance of **Dr. Jamuna K.S.**, Lecturer, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date: 12-10-2022
Place: Shivamogga
Principal
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

Coordinator
P.G. Department of Biotechnology
Sahyadri Science College
(Dr. Prabhakar B T)
Kuvempu University
Shivamogga-577 203, Karnataka.
Shivamogga-577 203, Karnataka.

VALUED
Date: 12/10/2022
Examiner
1) 
2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
Research in Biotechnology,
Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Production and purification of anti-garlic lectin polyclonal antibody**" submitted to the Sahyadri Science College, Kuvempu University Shivamogga for the award of Master of Science in Biotechnology to **Mr.Siddarth S G** is the result of bonafide project work carried out by him under the guidance of **Dr. Prabhakar B T.**, Associate Professor, Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

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Date: 12-10-22

Place: Shivamogga


PRINCIPAL

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


Co-ordinator
PG Coordinator

P.G. Dept. of Biotechnology
(Dr. Prabhakar B T)
Kuvempu University
Shimoga-577 203, Karnataka

VALUED

Date.....

Examiner

1) 

2) 


KUVEMPU UNIVERSITY

Department of Biotechnology

Dr. Prabhakar B T
Associate Professor
and PG Coordinator

Department of PG Studies and
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Sahyadri Science College,
Shivamogga, Karnataka, India.

CERTIFICATE

This is to certify that the project report entitled "**Evaluation of Quality Characteristics of Indian Mackerel in and around Shivamogga Districts.**" submitted to the Kuvempu University for the award of Master of Science in Biotechnology by **Mr. Arjun K B** is the result of bonafide project work carried out under the guidance of Dr.Pallavi.M., Lecturer Department of Post Graduate Studies and Research in Biotechnology, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the requirements for the completion of the Degree, Master of Science, Kuvempu University during the year 2021-2022.

I further certify that this or part thereof has not been previously formed the basis of the award of any degree, associateship, fellowship *etc.* of any other University or Institution.


PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University) P.G. Department of Biotechnology
Date : 12/10/23 SHIMOGA, Karnataka State.

Place: Shivamogga


PG Co-ordinator

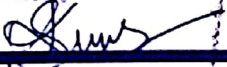
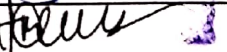
(Dr. Prabhakar B T)

Kuvempu University
Shimoga-577 203, Karnataka.

VALUED

Date: 12/10/23

Examiner

1) 
2) 

KUVEMPU



UNIVERSITY

Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "Synthesis, Characterization and Light Absorbance Studies of PVA-GO Composites" is carried out by Ms. KEERTHANA C (PS205602) under the guidance of Dr. Chandrashekara M N Assistant professor, Department of Post Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2021 – 2022.

Project Guide & PG Co-ordinator

Chandrashekara M N
Dr. Chandrashekara M N

Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri science college, Shivamogga.

EXAMINERS:

[Signature]
PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)

SHIMOGA, Karnataka State.

Date : 7/11/22

Place : Shivamogga.



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UNIVERSITY

Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "*SYNTHESIS AND CHARACTERISATION OF POLYANILINE/ZINC OXIDE NANOCOMPOSITES*" is carried out by Mr. MALLIKARJUNA S (PS205603) under the guidance of DR. SUBRAMANYA K, Assistant Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in **Master of Science in Physics** as per the Kuvempu University regulations during the year 2021 – 2022.

PG Co-ordinator

Chandrashekhara M N
Dr. Chandrashekhara M N

Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri Science College, Shivamogga.

Guide

Dr. Subramanya K
Dr. Subramanya K

Assistant Professor and Research Guide
Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

EXAMINERS

Date :

Principal
PRINCIPAL

SAHYADRI SCIENCE COLLEGE

Place : Shivamogga.

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

Dr. Subramanya K
7/11/2022



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UNIVERSITY

Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "**PREPARATION AND STRUCTURAL STUDIES OF NaBr AND BaCl₂ DOPED POLYMER THIN FILMS**" is carried out by Mr. MANJUNATHA K (PS205604) under the guidance of DR. SUBRAMANYA K, Assistant Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in **Master of Science in Physics** as per the Kuvempu University regulations during the year 2021 – 2022.

PG Co-ordinator

Chandrashekhara M N
Dr. Chandrashekhara M N


Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri Science College, Shivamogga.

Guide


Dr. Subramanya K

Assistant Professor and Research Guide
Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

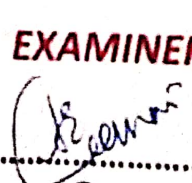
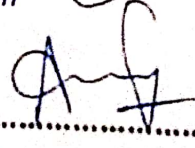
Date :


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

Place : Shivamogga.

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EXAMINERS

 7/11/2022


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UNIVERSITY

Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "**Mechanical Properties of Agave Fiber Reinforced Composites**" is carried out by Ms. Meenakshi K (PS205605) under the guidance of Dr. Nagaraja N Associate professor, Department of Under Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in **Master of Science in Physics** as per the Kuvempu University regulations during the year 2021 – 2022.

PG Co-ordinator

Chandrasheela MN
Dr. Chandrashekhara M N

Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri science college, Shivamogga.

Guide

N Nagaraja N

Dr. Nagaraja N
Associate Professor
Department of Physics
Sahyadri science college, Shivamogga

EXAMINERS:

1. *Prasanna* 21/11/2022
2. *Shy*

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

Date :

Place : Shivamogga.




KUVEMPU UNIVERSITY

Department of PG studies in Physics
Sahyadri Science College, Shivamogga-577203

CERTIFICATE

This is to certify that the project work entitled "A Facile Synthesis and Characterization of PANI-Cu (II)O Nanocomposites" is carried out by Ms. MEGHANA B.M., student of MSc (Physics) under the guidance of Ms. Nydile T.N., Lecturer, Department of Physics, Sahyadri science college, Shivamogga. With the partial fulfilment of the award of Degree of Master of Science in Physics, prescribed by the Kuvempu University regulations during the academic year 2021 – 2022.

Chandrashekar M.N.
PG CO-ORDINATOR

Dr. Chandrashekar M.N.
Associate Professor and PG Co-ordinator
Department of PG studies in Physics
Sahyadri Science College, Shivamogga

Nydile T.N.
GUIDE 6/11/2022

Ms. Nydile T.N.
Lecturer
Department of Physics
Sahyadri Science College, Shivamogga

P. Anand
PRINCIPAL 1.
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

EXAMINERS:

Exam 7/11/2022
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Date: 7/11/2022

Place: Shivamogga.

KUVEMPU UNIVERSITY



Department of PG studies in Physics
Sahyadri Science College, Shivamogga-577203

CERTIFICATE

This is to certify that the project work entitled "Synthesis, Characterization, Optical and AC Conductivity property of PANI-Cu(II)O nanocomposite" is carried out by Ms. ROOPA.J.R., student of MSc (Physics) under the guidance of Ms. Nydile T N., Lecturer, Department of Physics, Sahyadri science college, Shivamogga. With the partial fulfilment of the award of Degree of Master of Science in Physics, prescribed by the Kuvempu University regulations during the academic year 2021 – 2022.

Chandra sheela. S.N.
PG CO-ORDINATOR

Dr. Chandrashekara M N

Associate Professor and PG Co-ordinator

Department of PG studies in Physics

Sahyadri Science College, Shivamogga


Nydile.T.N
GUIDE 6/11/2022

Ms. Nydile T N

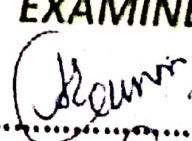

Lecturer

Department of Physics

Sahyadri Science College, Shivamogga


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

EXAMINERS:


7/11/2022


Date: 7/11/2022

Place: Shivamogga.

KUVEMPU



UNIVERSITY

Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "*Structural and Morphological Studies on NaBr Doped Polyaniline*" is carried out by Ms.SAHANA H (PS205608) under the guidance of Dr. Subramanya K, Assistant Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in **Master of Science in Physics** as per the Kuvempu University regulations during the year 2021 – 2022.

PG Co-ordinator

Chandrashekhara M N
Dr. Chandrashekhara M N

Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri Science College, Shivamogga.

Guide

Dr. Subramanya K
Dr. Subramanya K

Assistant Professor and Research Guide
Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

Date :

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

Place : Shivamogga.

EXAMINERS

1. *Dr. Subramanya K* 7/11/2022

2. *Dr. Subramanya K*



Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "*Synthesis and Characterization of NiS and ZnS Thin Films Prepared By Spray Pyrolysis Technique*" is carried out by Mr. Shivakumar M (PS205610) and Ms. Shashikala M H (PS205609) under the guidance of Dr. Chandrashekara M N Associate Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in **Master of Science in Physics** as per the Kuvempu University regulations during the year 2021 – 2022.

Project Guide & PG Co-ordinator

Chandrashekara M N
Dr. Chandrashekara M N

*Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri science college, Shivamogga.*

EXAMINERS:

[Signature]
PRINCIPAL

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

1. *[Signature]* 7/11/2022
2. *[Signature]*

Date : 07/11/2022

Place : Shivamogga.

KUVEMPU



UNIVERSITY

2021-2022

Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "**Mechanical Properties of Areca Fibers Reinforced Composite Panel**" is carried out by Mr M.Sreedatta Reg.no:PS205611 under the guidance of Dr.Nagaraja.N Associate professor, Department of Post Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in **Master of Science in Physics** as per the Kuvempu University regulations during the year 2021 – 2022.

Chandrashekhara M.N.
PG Co-ordinator

Dr. Chandrashekhara M N

Associate Professor and PG coordinator
Department of PG Studies In Physics
Sahyadri science college, Shivamogga.

Guide

Dr.Nagaraja.N

Associate Professor
Department of PG Studies In Physics
Sahyadri science college, Shivamogga

EXAMINERS:

1.

(Signature) 7/11/2022

(Signature)

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

(Signature)

Date: 07/11/2022

Place: Shivamogga

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UNIVERSITY

Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS AND CHARACTERISATION OF INORGANIC SALT DOPED POLYANILINE" is carried out by Ms. SUSHMA D S (PS205612) under the guidance of DR. SUBRAMANYA K, Assistant Professor, Department of Post Graduate studies in Physics, Sahyadri Science College, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in Master of Science in Physics as per the Kuvempu University regulations during the year 2021 – 2022.

PG Co-ordinator

Chandrashekar M N
Dr. Chandrashekar M N

Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri Science College, Shivamogga.

Guide

Dr. Subramanya K
Dr. Subramanya K

Assistant Professor and Research Guide
Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

Date :

[Signature]
PRINCIPAL 1.
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

Place : Shivamogga.

2.

EXAMINERS

[Signature] 7/11/2022
[Signature]



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UNIVERSITY

Department of PG studies in Physics

Sahyadri Science College, Shivamogga-577203

CERTIFICATE

This is to certify that the project work entitled "Thermal and Dielectric Studies on Polyaniline doped Cu(II)O nanoparticles" is carried out by Ms. VIDYA M S., student of MSc (Physics) under the guidance of Ms. Nydile T N., Lecturer, Department of Physics, Sahyadri science college, Shivamogga. With the partial fulfilment of the award of Degree of Master of Science in Physics, prescribed by the Kuvempu University regulations during the academic year 2021 – 2022.

Chandra Shekara M N
PG CO-ORDINATOR

Dr. Chandrashekara M N

Associate Professor and PG Co-ordinator

Department of PG studies in Physics

Sahyadri Science College, Shivamogga

Nydile T N
GUIDE 6/11/2022

Ms. Nydile T N

Lecturer

Department of Physics

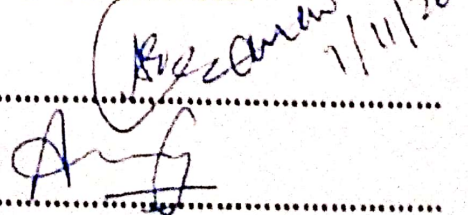
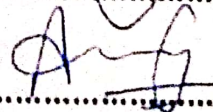
Sahyadri Science College, Shivamogga



PRINCIPAL

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

EXAMINERS:


1.

2.

Date: 07-11-2022

Place: Shivamogga.



Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "Studies on Radiation Shielding Properties of TiO₂ Filled PVA Nano Composites" is carried out by Mr. Tejus.U (PS205613) & Mr. Roshan Shetty (PS205616) under the guidance of Dr. Chandrashekara M N Associate professor, Department of Post Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in **Master of Science in Physics** as per the Kuvempu University regulations during the year 2021 – 2022.

Project Guide & PG Co-ordinator

Chandrashekara M N
Dr. Chandrashekara M N

Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri science college, Shivamogga.

EXAMINERS:

Tejus U

PRINCIPAL

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

1.

Roshan Shetty 7/11/2022

AG

Date: 7/11/2022

Place: Shivamogga.

KUVEMPU



UNIVERSITY

Department of PG Studies in Physics
Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that the project work entitled "**Mechanical Properties of Areca Fiber Reinforced Composite**" is carried out by Ms. Divya R, (PS205601) under the guidance of Dr. Nagaraja N, Associate professor, Department of Under Graduate studies in Physics, Sahyadri science college, Kuvempu University, Shivamogga for the partial fulfilment of the award of Degree in **Master of Science in Physics** as per the Kuvempu University regulations during the year 2021 – 2022.

PG Co-ordinator

Chandrashekar M N
Dr. Chandrashekar M N

Associate Professor and PG coordinator
Department of PG Studies in Physics
Sahyadri science college, Shivamogga.

Guide

Dr. Nagaraja N

Dr. Nagaraja N
Associate Professor
Department of Physics
Sahyadri science college, Shivamogga

EXAMINERS:

1. *Dr. Nagaraja N* 7/11/2022
2. *Dr. Nagaraja N*

Dr. Nagaraja N
PRINCIPAL

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

Date :

Place : Shivamogga.



KUVEMPU UNIVERSITY

Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that work report entitled “**SYNTHESIS, CHARACTERIZATION AND ANTIHELMENTHIC ACTIVITY OF 1,4 DIHYDROPYRIDINE DERIVATIVES**” is carried out by us, submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Industrial Chemistry, under the guidance of **Dr.Prabhakar W. Chavan**, Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.

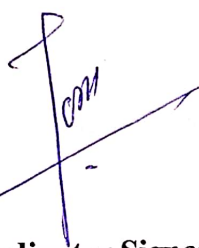
Research Guide


Dr. Prabhakar W. Chavan
Dr. Prabhakar Chavan

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

Assistant Professor

Dept. of PG Studies & Research in Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga-577 203, Karnataka. INDIA.



Coordinator Signature

Dr.Yuvaraj T.C.M

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

Co-ordinator

Department of P.G.Studies
and Research in industrial
Chemistry
Sahyadri Science College
Shimoga.



Head of the department
Dr. G. Krishnamurthy

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


H.O.D. of Chemistry

Sahyadri Science College
SHIVAMOGGA-577 203

Examiners

1. 

2. 



PRINCIPAL

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



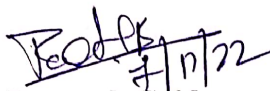
KUVEMPU UNIVERSITY

Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled "**CORROSION STUDY OF STEEL AND ZINC USING GREEN INHIBITORS**" is carried out by us submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Industrial Chemistry, under the guidance of, Dr. Padmini T.R, Lecturer, Department of Industrial Chemistry, Sahyadri Science College -577203.

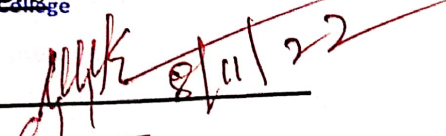
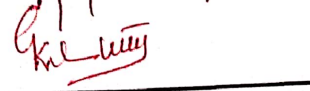

Research Guide


Dr. PADMINI T.R,

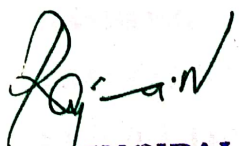

Coordinator

Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

Examiners

1.  8/11/22
2. 


Head of the department
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203


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

KUVEMPU



UNIVERSITY

Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled “**STUDIES ON ISOLATION AND CHARACTERIZATION OF PYRETHRIN-1 FOR CONTROL AND COST EFFECTIVE MANAGEMENT OF TICK AND FLY IN CATTLE**” is carried out by us submitted for the partial fulfillment of academic curriculum of **IV semester, M.Sc. Industrial Chemistry**, under the guidance of, **Dr. Jithendra, Kumara K S**, Lecturer, Department of Industrial Chemistry, Sahyadri Science College -577203.

Jithendra Kumara K.S.
Research Guide 07/11/22

Dr. JITHENDRA KUMARA K S, M.Sc, Ph.D.

J.T.C.M.
Dr.Yuvaraj T.C.M
Coordinator M.Sc.,M.Phil.,Ph.D.
Co-ordinator
Department of P.G.Studies
and Research in industrial
Chemistry
Sahyadri Science College
Shimoga.

Examiners

1. *[Signature]*
2. *[Signature]* 9/11/22

G.Krishnamurthy
Head of the department
Dr. G. Krishnamurthy
M.Sc.,M.Phil.,Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

[Signature]
PRINCIPAL
SAHYADRI SCIENCE COLLEGE
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SHIVAMOGGA, Karnataka State.



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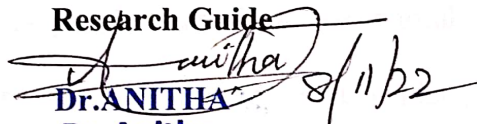
Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled "EXTRACTION AND CHARACTERISATION OF HEAVY METALS FROM E-WASTE" is carried out by us submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Industrial Chemistry, under the guidance of, Dr. ANITHA G, Associate professor Department of industrial Chemistry, Sahyadri Science College -577203.

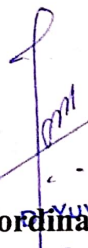
Research Guide


Dr. ANITHA 8/11/22


Dr. Anitha

Associate Professor

Department of Industrial Chemistry
Sahyadri Science College
Shivamogga.

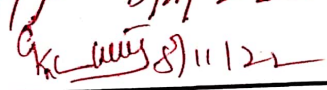

Co-ordinator
S. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

Examiners


Head of the department
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,

H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

1. 
8/11/22

2. 
8/11/22



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

KUVEMPU UNIVERSITY



Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled **“Synthesis and Characterization of ZnS Nanoparticle by Chemical Co-precipitation method”** is carried out by us submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Industrial Chemistry, under the guidance of, Dr. G. Krishnamurthy. Head of the Department of Chemistry, Sahyadri Science College -577203.

Research Guide

Dr. G. Krishnamurthy M.Sc., M.Phil., Ph.D.
Professor,
Dr. G. KRISHNAMURTHY
Department of Chemistry,
Sahyadri Science College
Kuvempu University
Shivamogga-577203, Karnataka

Coordinator Raj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G.Studies
and Research in industrial
Chemistry
Sahyadri Science College
Shivamogga.

Examiners

1. _____

2. _____

Head of the department
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

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

KUVEMPU UNIVERSITY

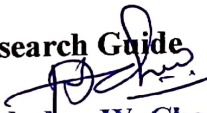
Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that work report entitled "**SYNTHESIS, CHARACTERIZATION AND ANTIHELMENTHIC ACTIVITY OF 1,4 DIHYDROPYRIDINE DERIVATIVES**" is carried out by us, submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Industrial Chemistry, under the guidance of **Dr.Prabhakar W. Chavan**, Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.

Research Guide


Dr. Prabhakar W. Chavan
Dr. Prabhakar Chavan

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

Assistant Professor

Dept. of PG Studies & Research in Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga-577 203, Karnataka. INDIA.


Coordinator Signature

Dr. Yuvaraj T.C.M

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

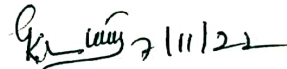
Co-ordinator

Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

Examiners

1. 

2. 


Head of the department
Dr. G. Krishnamurthy

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

H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203


PRINCIPAL

SAHYADRI SCIENCE COLLEGE
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KUVEMPU UNIVERSITY


**DEPARTMENT OF PG STUDIES AND RESEARCH IN
INDUSTRIAL CHEMISTRY
SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203**

CERTIFICATE

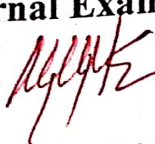
This is to certify that the project work entitled "**Synthesis, Spectral and Biological studies of 2-Hydroxy imine derivative with 3d series metal complexes**" submitted by Ms. Apoorva S N, Mr. Karthik B, Mr. Kishan Kumar H N, Ms. Pavithra M, Ms. Shruthi for the degree of Master of Science in Industrial Chemistry is the result of work carried out by them in the Department of PG Studies and Research in Industrial Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.


Guide

Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.


Co-ordinator
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

External Examiner



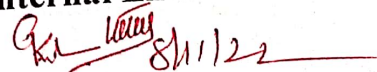
Date: 08-11-2022

Place: Shivamogga



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

Internal Examiner


8/11/22



KUVEMPU UNIVERSITY



Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled "**CORROSION STUDY OF STEEL AND ZINC USING GREEN INHIBITORS**" is carried out by us submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Industrial Chemistry, under the guidance of, Dr. Padmini T.R, Lecturer, Department of Industrial Chemistry, Sahyadri Science College -577203.

Research Guide

Dr. PADMINI T.R,

Coordinator
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Examiners

H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

- 8/11/22
- 8/11/22

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Sahyadri Science College


Shivamogga-577203

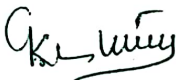
CERTIFICATE

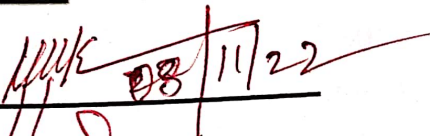
This is to certify that the project work report entitled **“Synthesis and characterization of ZnS Nanoparticle by Chemical Co-precipitation method”** is carried out by **Basavaraj H Honnatti, Sahana K N, Shubhashree M N, Shwetha P M, Tejashree K S**, submitted for the partial fulfillment of academic curriculum of **IV semester, M. Sc. Industrial Chemistry**, under the guidance of **Dr. G. Krishnamurthy** Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.

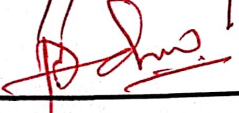

Research Guide


Dr. G. Krishnamurthy M.Sc.,M.Phil.,Ph.D.


Coordinator
M.Sc.,M.Phil.,Ph.D.
Co-ordinator
Department of P.G.Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Examiners


Head of the Department
Dr. G. Krishnamurthy
M.Sc.,M.Phil.,Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

1. 

2. 


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

KUVEMPU



UNIVERSITY

DEPARTMENT OF PG STUDIES AND RESEARCH IN INDUSTRIAL CHEMISTRY
SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA

Certificate

This is to certify that the work reported in this project report entitled **Synthesis and Characterization of Transition metal complexes of Schiff base derived from 4-hydroxy-3-methoxybenzaldehyde, 4-aminoantipyrine and 2-aminophenol (HMBAAPAP)** submitted by students of final M.Sc **Preethi M P, Priyanka U, Sanjana H K, Sinchana V**, IV Semester for the Degree of Master of Science in Industrial Chemistry is their original work carried out **under the guidance of Dr. G. Krishnamurthy**, Professor and Chairman, Department of Chemistry, Sahyadri Science College, Shivamogga and **under the co-guidance of Dr, Anitha**, Associate Professor and Co-ordinator, Department of Industrial Chemistry, Sahyadri Science College, Shivamogga, during the year 2021. This project work or any part thereof has not been submitted for any other degree/diploma or such other similar title

Project Guide

Dr. G. Krishnamurthy

Professor and Chairman
Department of Chemistry
Shivamogga – 577203

Co-ordinator

Dr. Anitha

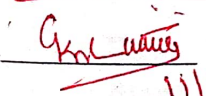
Assistant Professor
Sahyadri Science College
Shivamogga – 577203

Examiner:

1.

 11/10/2021

2.

 11/10/21

Date:

Place: Shivamogga


PRINCIPAL

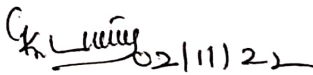
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.



CERTIFICATE

This is to certify that the project work entitled "Synthesis and spectral characterization of azo-Schiff base and Its transition metal complexes, screening carried out against antibacterial activity" submitted by THRUPTHI M S for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga


Dr. G Krishnamurthy

Head of the Department of Chemistry

Date: 04/11/22

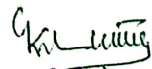

Signature of PG Coordinator

Dr. Shreekanta S.A.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

Examiners name with signature

1. 


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


Dr. G. Krishnamurthy
Signature of H.O.D., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

KUVEMPU UNIVERSITY



DEPARTMENT OF PG STUDIES AND RESEARCH IN CHEMISTRY

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203

CERTIFICATE

This is to certify that the project work entitled '**Poly (sunset yellow) sensor for Dopamine: A Voltammetric Studies**' submitted by **Miss. NIVEDITHA H B** for the degree of Master of Science in Chemistry is the result of work carried out by her in the Department of PG Studies and Research in Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.

[Signature]
Guide

Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

External Examiner

Date: 05-11-2022

Place: Shivamogga

[Signature]
Co-ordinator

Dr. Shreekantha S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

Internal Examiner

[Signature]
PRINCIPAL

SAHYADRI SCIENCE COLLEGE
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SHIMOGA, Karnataka State.



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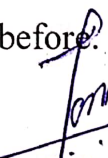


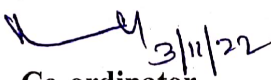
DEPARTMENT OF PG STUDIES AND RESEARCH IN CHEMISTRY

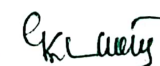
SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203

CERTIFICATE

This is to certify that the project work entitled "**Synthesis, Characterization and Biological activities of Azo- benzaldehyde derivative of metal complexes**" submitted by **Ms. NAYANA D K** for the degree of Master of Science in Chemistry is the result of work carried out by her in the Department of PG Studies and Research in Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.


Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.


3/11/22
Co-ordinator
Dr. Shreekantha S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


HOD of Chemistry
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203


External Examiner


Internal Examiner

Date: 05-11-2022

Place: Shivamogga


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



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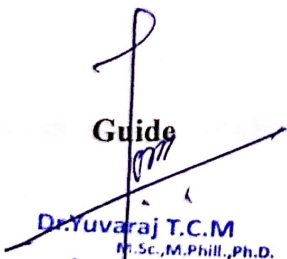
DEPARTMENT OF PG STUDIES AND RESEARCH IN
CHEMISTRY

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203

CERTIFICATE

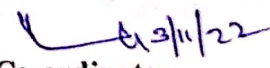
This is to certify that the project work entitled “**Voltammetric Study of Atenolol by using Poly (phosphomolybdic acid) modified pencil electrode**” submitted by Miss. SHARANYA M.D for the degree of Master of Science in Chemistry is the result of work carried out by her in the Department of PG Studies and Research in Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.

Guide


Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.


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

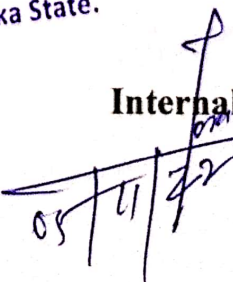
Co-ordinator


Dr. Sreekantha S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

External Examiner


5/11/2022

Internal Examiner


05/11/22

Date: 05-11-2022

Place: Shivamogga

KUVEMPU



UNIVERSITY

**DEPARTMENT OF PG STUDIES AND RESEARCH IN
CHEMISTRY**

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203

CERTIFICATE

This is to certify that the project work entitled **Poly (Lysine) sensor for Hydrochlorothiazide: A Voltammetric Study** submitted by Miss. ANYATHA N.S for the degree of Master of Science in Chemistry is the result of work carried out by her in the Department of PG Studies and Research in Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.

Guide

Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

External Examiner

Date: 05-11-2022

Place: Shivamogga

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

Co-ordinator

Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

Internal Examiner

05/11/22

KUVEMPU UNIVERSITY



DEPARTMENT OF PG STUDIES AND RESEARCH IN CHEMISTRY

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203

CERTIFICATE

This is to certify that the project work entitled **Synthesis, Characterization and Biological activities of Azo-Acetophenone derivative of metal complexes** submitted by Mr. MANU N C for the degree of Master of Science in Chemistry is the result of work carried out by her in the Department of PG Studies and Research in Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.

Guide

Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

Co-ordinator

Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

HOD of Chemistry
Dr. G. Krishnamurthy

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

H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

External Examiner

[Signature]
5/11/2022

Internal Examiner

[Signature]
5/11/22

Date: 05-11-2022

Place: Shivamogga

PRINCIPAL

SAHYADRI SCIENCE COLLEGE
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SHIMOGA, Karnataka State.



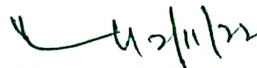
Certificate

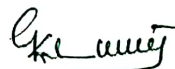
This is to certify that the project work entitled "Investigation on Co(II), Ni(II) complexes derived 4-hydroxy-3-[(E)-1,3-thiazol-2-ylidiazonyl]-2H-chromen-2-one: structural characterization and Anthelmintic activity" submitted by JYOTHI K for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

Date:


Dr. Parameshwara Naik P.
M.Sc., Ph.D.
Associate Professor
Department of Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga-577 203, Karnataka, INDIA.


Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Signature of PG Coordinator
Studies and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

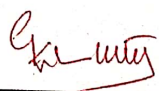
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PRINCIPAL

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

2.

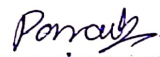


Certificate

This is to certify that the project work entitled "Investigation on Co(II), Ni(II) complexes derived (2E)-2-[(4-bromophenyl)amino]-4-methyl-2H-Chromen-7-ol : structural characterization and Anthelmentic activity" submitted by BHOOMIKA C P for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

Date:


Dr. Parameshwara Naik P.

M.Sc., Ph.D.

Associate Professor

Department of Chemistry

Sahyadri Science College, Kuvempu University

Shivamogga - 577 203, Karnataka, INDIA.


Dr. Shreekanta S.A.

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

Co-ordinator

Department of P.G. Studies

and Research in Chemistry

Signature of PG Coordinator

Sahyadri Science College

Shimoga


Dr. G. Krishnamurthy

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

Signature of HOD

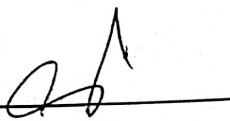
H.O.D. of Chemistry

Sahyadri Science College

SHIVAMOGGA - 577 203

Examiners name with signature

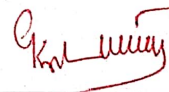
1.




PRINCIPAL

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

2.



Certificate

This is to certify that the project work entitled "Investigation on Co(II), Ni(II) complexes 8-[(E)-(4-chlorophenyl)diazenyl]-7-hydroxy-4-methyl-2H-chromen-2-one: structural characterization and Anthelmintic activity" submitted by SINDHU S for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

Date: 4/11/2022

Paramash
Dr. Parameshwara Naik P.
Guide M.Sc., Ph.D

Associate Professor
Department of Chemistry
Sahyadri Science College, Kuvempu Univers.
Shivamogga-577 203, Karnataka, INDI.A.

Shreekantha
Dr. Shreekantha S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Signature of PG Coordinator
Department of PG Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

G. Krishnamurthy
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H. Signature of HOD
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1.

[Signature]

[Signature]

PRINCIPAL

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

2.

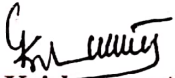
[Signature]


CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF TRANSITION METAL COMPLEXES WITH BENZOTHAZOLE - DERIVED SCHIFF BASES" submitted by MALLIKA BANU N.R for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

Date: 4/11/2022

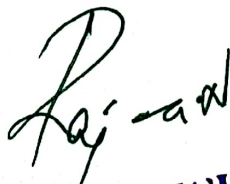

Dr. G Krishnamurthy
Head of the department of chemistry

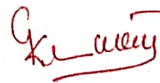

Dr. Shreekanth S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
Signature of PG Coordinator
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
Signature of HOD
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 



2. 

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

CERTIFICATE


This is to certify that the project work entitled "Synthesis and spectral characterization of azo-Schiff base and Its transition metal complexes, screening carried out against antibacterial activity" submitted by THRUPTHI M S for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

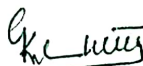
Place: Shivamogga


Dr. G Krishnamurthy

Head of the Department of Chemistry

Date: 04/11/22


Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Signature of PG Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
Signature of HOD
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 

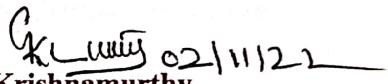

PRINCIPAL,
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

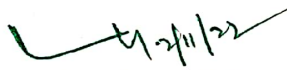
CERTIFICATE

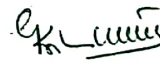
This is to certify that the project work entitled "SYNTHESIS, CHARACTERIZATION AND ANTI-BACTERIAL STUDIES OF Co(II), Ni(II) AND Cu(II) METAL COMPLEXES CONTAINING AZO-DYE LIGAND" submitted by AYESHA SIDDIQA for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga


Date: 4/11/2022


Dr. G Krishnamurthy
Head of the department of chemistry

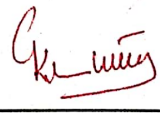

Dr. Shreekantha S.A.
M.Sc., M.Phil., Ph.D.
Signature of PG Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
Signature of HOD
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 


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


2. 

Certificate

*This is to certify that the project work entitled "Synthesis and spectral characterization of novel 2-amino benzothiazole substituted Fe(II) Phthalocyanine" submitted by Dhanraj K B for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of there work has not been previously submitted for any other degree/diploma either to this or any other University.*

Place: Shivamogga

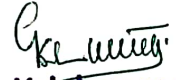
Date: 5/11/22


Dr. K.P. Latha
Professor

Department of PG Studies &
Research in Chemistry

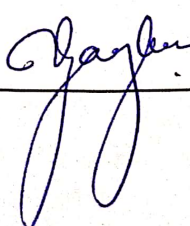

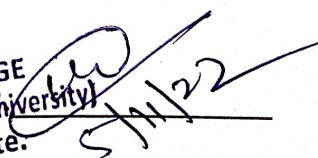

Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.

Co-ordinator
Department of P.G. Studies
Signature of P.G. Coordinator
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,

H.O.D. of Chemistry
Signature of HOD
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature


1.  
PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.  5/11/22

Certificate

This is to certify that the project work entitled "Synthesis and spectral characterization of novel 2-amino benzothiazole substituted Fe(II) Phthalocyanine" submitted by Dhanraj K B for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of there work has not been previously submitted for any other degree/diploma either to this or any other University.

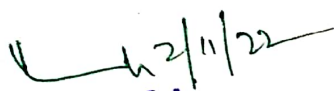
Place: Shivamogga

Date: 5/11/22



Dr. K P Latha

Professor

Department of PG Studies &
Research in Chemistry


Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of PG Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

Signature of PG Coordinator


Dr. G. Krishnamurthy

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

H.O.D. of Chemistry

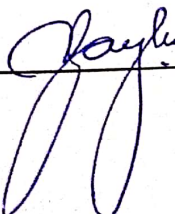
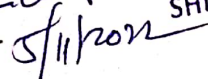
Sahyadri Science College
Signature of HOD
SHIVAMOGGA-577 203

Examiners name with signature

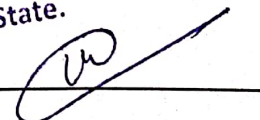

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SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

1.

2.



KUVEMPU UNIVERSITY



Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled "**Synthesis and Characterization of ZnS Nanoparticle by Chemical Co-precipitation method**" is carried out by us submitted for the partial fulfillment of academic curriculum of **IV semester, M.Sc. Industrial Chemistry**, under the guidance of, **Dr. G. Krishnamurthy**, Head of the Department of Chemistry, Sahyadri Science College -577203.

G. Krishnamurthy 7/11/22
Research Guide

Dr. G. Krishnamurthy M. Sc., M. Phil., Ph. D.
Dr. G. KRISHNAMURTHY, M.Sc., M.Phil., Ph.D.,
Department of Chemistry
Sahyadri Science College
Kuvempu University
Shivamogga-577203, Karnataka

[Signature]
Co-ordinator
Dr. Suvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in industrial
Chemistry
Sahyadri Science College
Shivamogga

G. Krishnamurthy 7/11/22
Head of the department
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners

1. *[Signature]*

2. *[Signature]* 7/11/22

[Signature]
PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGGA, Karnataka State.

CERTIFICATE

This is to certify that the project work entitled **“SYNTHESIS AND STRUCTURAL CHARACTERISATION OF NANOSIZED POLYANILINE EMBEDDED WITH Al_2O_3 NANOPARTICLE”** submitted by Pruthvi A S for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of their work has not been previously submitted for any other degree/diploma either to this or any other University.


Place: Shivamogga

Date: 03/05/2022



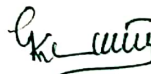
Dr. K.P. Latha
Professor

Department of PG Studies &
Research in Chemistry
Sahyadri Science College
Shivamogga



Dr. Shreekantha S.A.

Signature of ~~PG~~ ^{M.Sc., M.Phil., Ph.D.} Coordinator
Department of PG Studies
and Research in Chemistry
Sahyadri Science College
Shimoga



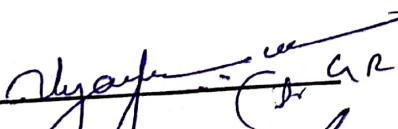
Signature of HOD

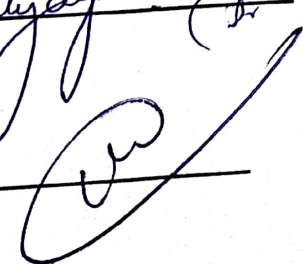
Dr. G. Krishnamurthy

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

H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1.  (Dr. A.R. Vishwanath)
5/11/2022

2. 


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

CERTIFICATE

This is to certify that the project work entitled **“Synthesis and spectral characterization of azo-Schiff base and Its transition metal complexes, screening carried out against antibacterial activity”** submitted by **SPOORTHY .P** for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

G. Krishnamurthy 02/11/22
Dr. G Krishnamurthy

Head of the Department of Chemistry

Date: 04/11/2022

Dr. Shreekanta S.A. 2/11/22
Signature of PG Coordinator
Co-ordinator
Department of P.G.Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

G. Krishnamurthy
Dr. G. Krishnamurthy
Signature of HOD
M.Phil., Ph.D.
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA - 577 203

Examiners name with signature

1. 

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

KUVEMPU UNIVERSITY



Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled "SYNTHESIS AND CHARACTERIZATION OF 2-AMINO-5-(4-HETERO-LIDENE)THIAZOL-4-(5H)-ONE AND THEIR ANTIHELMENTIC ACTIVITY" is carried out by CHANDANA M.G submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Chemistry, under the guidance of Dr.PrabhakarW. Chavan, Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.

Signature

Research Guide

Dr. Prabhakar Chavan

Dr.Prabhakar W.Chavan, M.Sc., M.Phil., Ph.D.,
Assistant Professor

Dept. of PG Studies & Research in Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga-577 203, Karnataka. INDIA.

Examiners

co-ordinator

Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.

Co-ordinator
Department of P.G.Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

1. 5/11/2022

2. 5/11/22

PRINCIPAL

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

Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203



KUVEMPU UNIVERSITY

Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled “SYNTHESIS, CHARACTERISATION AND ANTHELMINTIC ACTIVITY OF 1,4 DIHYDRO-PYRANO[2,3-c]PYRAZOLE DERIVATIVES” is carried out by NISHATH submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Chemistry, under the guidance of Dr. Prabhakar W. Chavan, Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.

Signature




Research Guide

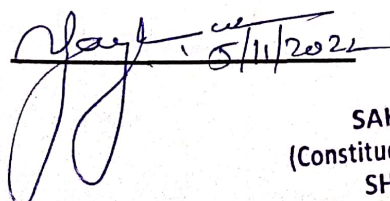
Dr. Prabhakar Chavan

Dr. Prabhakar W. Chavan, M.Sc., M.Phil., Ph.D.,
Assistant Professor

Dept. of PG Studies & Research in Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga, Karnataka. INDIA.

Examiners

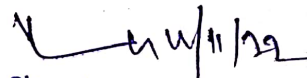
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2.  5/11/2022



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

Coordinator



Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

KUVEMPU UNIVERSITY

Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled **“DESIGN, SYNTHESIS AND CHARACTERIZATION OF PYRANO PYRAZOLE DERIVATIVES AND THEIR ANTIHELMENTIC ACTIVITY”** is carried out by SUSHMA.S submitted for the partial fulfillment of academic curriculum of IV semester, M.Sc. Chemistry, under the guidance of Dr. Prabhakar W. Chavan, Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.

Signature



Research Guide

Dr.Prabhakar W.Chavan,

Dr. Prabhakar Chavan

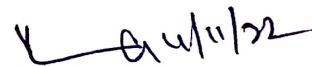
M.Sc.,M.Phil.,Ph.D.,

Assistant Professor

Dept. of PG Studies
Sahyadri Science College

Chemistry
University
SHIMOGGA

Co-ordinator



Dr. Shreekanta S.A.



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

Co-ordinator

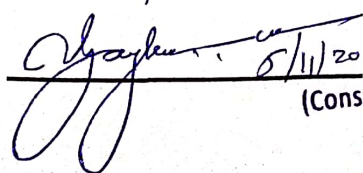
Department of P.G.Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

Examiners

1.



2.



5/11/2023

PRINCIPAL

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

Dr. G. Krishnamurthy

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

H.O.D. of Chemistry

Sahyadri Science College
SHIVAMOGGA-577 203



CERTIFICATE

This is to certify that the project work entitled **“SYNTHESIS AND STRUCTURAL CHARECTERISATION OF NANOSIZED POLYANILINE DOPED WITH CaO NANOPARTICLE”** submitted by Ganga H R for the award of the degree of MASTER OF SCIENCE IN CHEMISTRY-2022 is based on the practical work carried out by her under my supervision. The project or any part of their work has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

Date: 3/11/2022


Dr. K.P. Latha

Professor

Department of PG Studies &
Research in Chemistry
Sahyadri Science College
Shivamogga


Dr. Shreekanta S.A.

Signature of PG Co-ordinator

Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Signature of HOD


Dr. G. Krishnamurthy

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

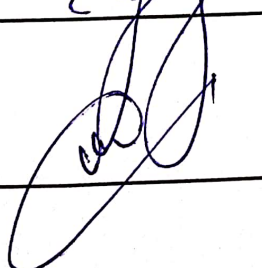
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. _____

 5/11/2022

2. _____



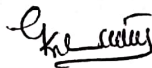

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.


CERTIFICATE


This is to certify that the project work entitled "STRUCTURAL CHARACTERIZATION & ANTHELMINTIC ACTIVITY & INVESTIGATION ON Co(II), Ni(II) & Cu(II) COMPLEXES DERIVED N'-(3-HYDROXYBENZOYL)FURAN-2-CARBOHYDRAZIDE" submitted by SHEHANAZ S for the award of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga


Date: 04/11/22


 02/11/22
Dr. G Krishnamurthy
Head of the department of chemistry

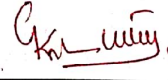

Dr. Shreekantha S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Signature of PG Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
Signature of HOD
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 


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

2.  04/11/22

CERTIFICATE

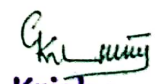
This is to certify that the project work entitled "Synthesis and spectral characterization of azo-Schiff base and Its transition metal complexes, screening carried out against antibacterial activity" submitted by SPOORTHY .P for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.


Place: Shivamogga


Dr. G Krishnamurthy

Head of the Department of Chemistry

Date: 04/11/2022


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203


Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Signature of PG Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

Examiners name with signature

1.

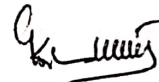

PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS AND ANTIBACTERIAL ACTIVITY OF TRANSITION METAL COMPLEXES WITH BENZOTHAZOLE - DERIVED SCHIFF BASES" submitted by MALLIKA BANU N.R for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

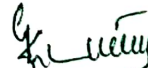
Date: 4/11/2022



Dr. G Krishnamurthy
Head of the department of chemistry

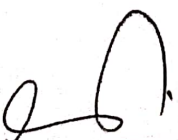


Dr. Shreekantha S.A.
M.Sc., M.Phil., Ph.D.
Signature of PG Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga



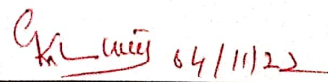
Dr. G. Krishnamurthy
Signature of HOD
M.Sc., M.Phil., Ph.D.,
H.O.D of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 



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


2. 

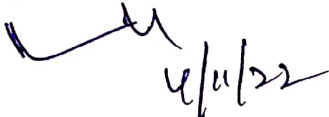
CERTIFICATE

This is to certify that the project work entitled "EXTRACTION OF BIOFUEL USING WASTE PLASTICS" submitted by MUSKAN KHANUM for the award of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

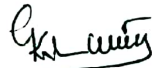
Place: Shivamogga

Date: 5/11/2022

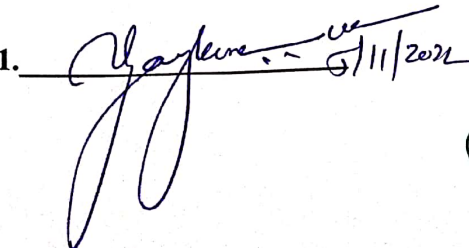

Dr. K.P. Latha
Professor
Department of PG Studies and Research in Chemistry
Sahyadri Science College
Shivamogga - 577 203, Karnataka, India.

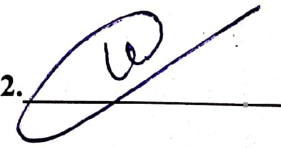


4/11/22

Dr. Sheela S.A.
Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Signature of HOD
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 
5/11/2022


2. 

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

CERTIFICATE

This is to certify that the project work entitled **“SYNTHESIS AND STRUCTURAL CHARECTERISATION OF NANOSIZED POLYANILINE EMBEDDED WITH Al_2O_3 NANOPARTICLE”** submitted by Pruthvi A S for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of their work has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

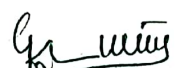
Date: 03/05/2022


Dr. K.P. Latha
Professor

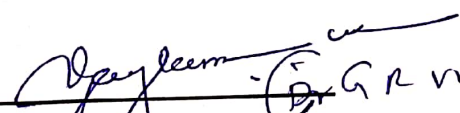
Department of PG Studies &
Research in Chemistry
Sahyadri Science College
Shivamogga

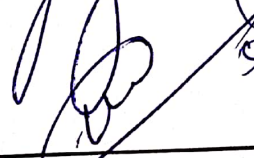

Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.

Co-ordinator
Signature of PG Coordinators
and Research in Chemistry
Sahyadri Science College
Shivamogga


Signature of HOD
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 
Dr. G.R. VISHALAKUMARA
5/11/2022

2. 


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

CERTIFICATE

This is to certify that the project work entitled **“SYNTHESIS AND STRUCTURAL CHARECTERISATION OF NANOSIZED POLYANILINE DOPED WITH CaO NANOPARTICLE”** submitted by Ganga H R for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of their work has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

Date: 3/11/2022


Dr. K.P. Latha

Professor

Department of PG Studies &
Research in Chemistry
Sahyadri Science College
Shivamogga


Dr. Shreekanta S.A.

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

Coordinator
Signature of PG Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Signature of HOD

Dr. G. Krishnamurthy

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

H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1.  5/11/2022

2. 


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

Certificate

*This is to certify that the project work entitled "Synthesis and spectral characterization of novel 2-amino benzothiazole substituted Co(II) Phthalocyanine" submitted by Shashank S R for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of there work has not been previously submitted for any other degree/diploma either to this or any other University.*

Place: Shivamogga

Date: 5/11/22


Dr. K.P Latha

Professor

Department of PG Studies &
Research in Chemistry


Dr. Shreekanta S.A.
M.Sc., M. Phil., Ph.D.

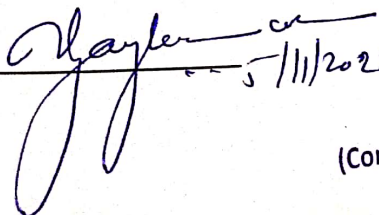
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Signature of PG Coordinator
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy

M.Sc., M. Phil., Ph.D.,
Signature of HOD
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1.


5/11/2022



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

Certificate


This is to certify that the project work entitled "Synthesis and spectral characterization of novel 2-amino benzothiazole substituted Ni(II),Cu(II) Phthalocyanine" submitted by Kavya H.S for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of there work has not been previously submitted for any other degree/diploma either to this or any other University.

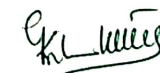
Place: Shivamogga

Date: 05/11/2022

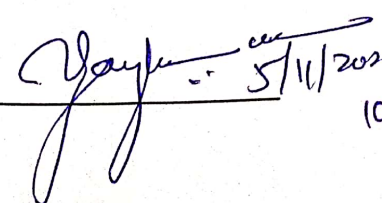


Dr. K P Latha
Professor

Department of PG Studies &
Research in Chemistry


Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Signature of PG Co-ordinator
Department of PG Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
Signature of HOD
SHIVAMOGGA-577203

Examiners name with signature

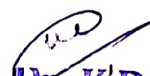
1.  5/11/2022

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

CERTIFICATE

This is to certify that the project work entitled "EXTRACTION OF BIOFUEL USING WASTE PLASTICS" submitted by MUSKAN KHANUM for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

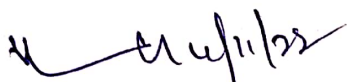
Place: Shivamogga

Date: 5/11/2022


Dr. K.P. Latha

Professor
Department of P.G. Studies and Research in Chemistry
Sahyadri Science College
Shimoga - 577203, Karnataka, India.

Guide



Signature of PG Coordinator
Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

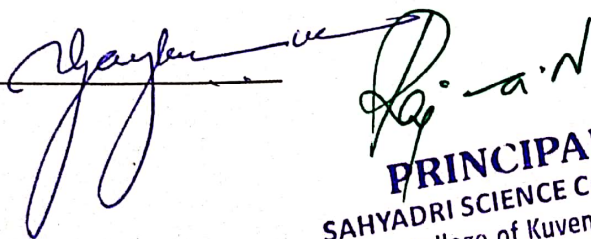
Examiners name with signature




Signature of HOD

Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

1.



2.



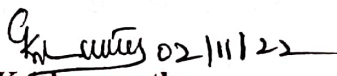
PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

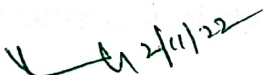
CERTIFICATE


This is to certify that the project work entitled "STRUCTURAL CHARACTERIZATION & ANTHELMINTIC ACTIVITY & INVESTIGATION ON Co(II), Ni(II) & Cu(II) COMPLEXES DERIVED N'-(3-HYDROXYBENZOYL)FURAN-2-CARBOHYDRAZIDE" submitted by SHEHANAZ S for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

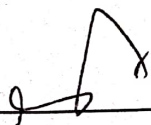
Date: 04/11/2022



Dr. G Krishnamurthy
Head of the department of chemistry

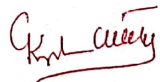

Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Signature of P.G. Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
Signature of H.O.D.
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 


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

2. 

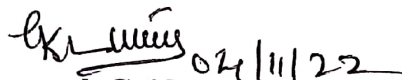
KUVEMPU  **UNIVERSITY**

Sahyadri Science College


Shivamogga-577203

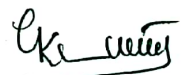
CERTIFICATE

This is to certify that the project work report entitled "**Synthesis and characterization of ZnS Nanoparticle by Chemical Co-precipitation method**" is carried out by **Basavaraj H Honnatti, Sahana K N, Shubhashree M N, Shwetha P M, Tejashree K S**, submitted for the partial fulfillment of academic curriculum of **IV semester, M. Sc. Industrial Chemistry**, under the guidance of **Dr. G. Krishnamurthy** Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.


Research Guide

Dr. G. Krishnamurthy M.Sc.,M.Phil.,Ph.D.


Coordinator
Dr. Yuvaraj T.C.M
M.Sc.,M.Phil.,Ph.D.
Co-ordinator
Department of P.G.Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.
Examiners


Head of the Department
Dr. G. Krishnamurthy
M.Sc.,M.Phil.,Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

1. 
2. 


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

Certificate

This is to certify that the project work entitled "Investigation on Co(II), Ni(II) complexes derived 4-[(E)-(4-chlorophenyl)diazenyl]-3-methyl-1-phenyl-1H-pyrazol-5-ol : structural characterization and Anthelmintic activity" submitted by NANDINI NADIG K for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

Date:

Panash

Guide

Dr. Parimalashwara Naik P.

M.Sc., Ph.D.

Associate Professor
Department of Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga-577 203, Karnataka, INDIA.

[Signature]
Dr. Shreekanta S.A.

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

Co-ordinator
Signature of PG Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

[Signature]
Dr. G. Krishnamurthy

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

Signature of HOD
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. *[Signature]*

[Signature]

PRINCIPAL

SAHYADRI SCIENCE COLLEGE².
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.

[Signature]

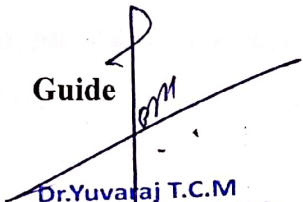

KUVEMPU UNIVERSITY

DEPARTMENT OF PG STUDIES AND RESEARCH IN CHEMISTRY
SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203

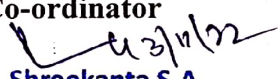
CERTIFICATE

This is to certify that the project work entitled **Synthesis, Characterization and Biological activities of Azo- Coumarin derivative of metal complexes**” submitted by **Mr. NANDISH N P** for the degree of Master of Science in Chemistry is the result of work carried out by her in the Department of PG Studies and Research in Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.


Guide


Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

Co-ordinator


Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

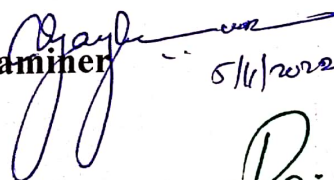
HOD of Chemistry


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

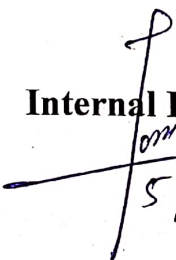
External Examiner

Date: 05-11-2022

Place: Shivamogga


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

Internal Examiner


5/11/22

CERTIFICATE

This is to certify that the project work entitled **“Synthesis, spectroscopic studies of a tridentate azo-schiff base ligand and their transition metal complexes”** submitted by **Bindhu K.G** for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga

Date: 04/11/2022

Parameshwara Naik P.
Dr. Parameshwara Naik P.

Associate Professor
Guide
Department of Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga-577 203, Karnataka. INDIA.

Shreekantha S.A.
Dr. Shreekantha S.A.
Signature of PG Coordinator
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

G. Krishnamurthy
Dr. G. Krishnamurthy
Signature of HOD
M.Sc., M.Phil., Ph.D.
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. *[Signature]*

2. *[Signature]*

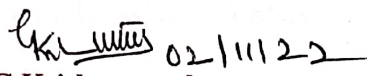
[Signature]
PRINCIPAL
SAHYADRI SCIENCE COLLEGE
(Constituent College of Kuvempu University)
SHIMOGA, Karnataka State.


CERTIFICATE

This is to certify that the project work entitled "SYNTHESIS, CHARACTERIZATION AND ANTI-BACTERIAL STUDIES OF CO(II), Ni(II) AND CU(II) METAL COMPLEXES CONTAINING AZO-DYE LIGAND" submitted by AYESHA SIDDIQA for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part thereof has not been previously submitted for any other degree/diploma either to this or any other University.

Place: Shivamogga


Date: 4/11/2022


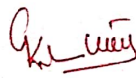

Dr. G Krishnamurthy
Head of the department of chemistry


Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Signature of PG Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
Signature of HOD
M.Sc., M.Phil., Ph.D.,
H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1. 

 2. 

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

KUVEMPU UNIVERSITY



Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled **“SYNTHESIS, CHARACTERIZATION AND ANTIHELMENTHIC ACTIVITY OF 1,4 DIHYDROPYRIMIDINE DERIVATIVES”** is carried out by **Sumukha E S** submitted for the partial fulfillment of academic curriculum of **IV semester, M.Sc. Chemistry**, under the guidance of **Dr. Prabhakar W. Chavan**, Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.

Research Guide

Dr. Prabhakar W. Chavan
Dr. Prabhakar Chavan

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

Assistant Professor

Dept. of PG Studies & Research in Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga-577 203, Karnataka. INDIA.

2/11/22

Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Coordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

Head of the department
Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,

H.O.D. of Chemistry

Sahyadri Science College
SHIVAMOGGA-577 203

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

Examiners

1. 5/11/22
2. 5/11/2022

KUVEMPU UNIVERSITY



DEPARTMENT OF PG STUDIES AND RESEARCH IN CHEMISTRY

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203

CERTIFICATE

This is to certify that the project work entitled "*Interference free detection of dihydroxybenzene isomers at Rhodamine B modified carbon paste electrode*" submitted by Miss. SANNIDHI U S for the degree of Master of Science in Chemistry is the result of work carried out by her in the Department of PG Studies and Research in Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.

Guide

Dr. Yuvaraj T.C.M
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.

Co-ordinator

Dr. Shreekanta S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

PRINCIPAL

SAHYADRI SCIENCE COLLEGE

(Constituent College of Kuvempu University)
SHIVAMOGGA, Karnataka State.

External Examiner

Internal Examiner

Date: 05-11-2022

Place: Shivamogga




KUVEMPU  UNIVERSITY

DEPARTMENT OF PG STUDIES AND RESEARCH IN
CHEMISTRY

SAHYADRI SCIENCE COLLEGE, SHIVAMOGGA – 577203

CERTIFICATE

This is to certify that the project work entitled "**Poly (L-Ornithine) sensor for norepinephrine and paracetamol: a voltammetric method**" submitted by Miss. RAJASHREE M S for the degree of Master of Science in Chemistry is the result of work carried out by her in the Department of PG Studies and Research in Chemistry, Sahyadri Science College, Shivamogga, A Constituent College of Kuvempu University, under my guidance during 2021-2022 and it has not formed the basis for the award of any diploma or degree of this University or else were before.

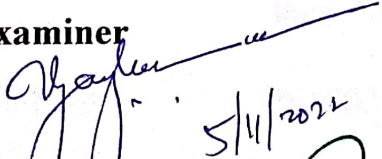

Guide

Dr. Yuvaraj A.C.M.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Industrial
Chemistry
Sahyadri Science College
Shimoga.


Co-ordinator

Dr. Shreekantha S.A.
M.Sc., M.Phil., Ph.D.
Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga

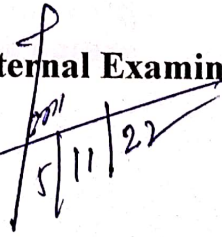
External Examiner


5/11/2022

Date: 05-11-2022

Place: Shivamogga

Internal Examiner


5/11/22


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



Certificate

*This is to certify that the project work entitled "Synthesis and spectral characterization of novel 2-amino benzothiazole substituted Co(II) Phthalocyanine" submitted by Shashank S R for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of there work has not been previously submitted for any other degree/diploma either to this or any other University.*

Place: Shivamogga

Date: 5/11/22


Dr. K.P. Latha

Professor

Department of PG Studies &
Research in Chemistry

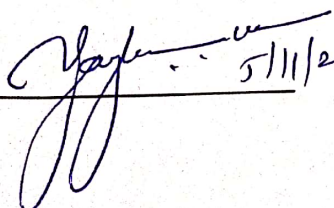

Dr. Shreekantha S.A.
M.Sc., M.Phil., Ph.D.

Co-ordinator
Signature of PG Coordinator
Department of PG Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Dr. G. Krishnamurthy
M.Sc., M.Phil., Ph.D.,

HOD of Chemistry
Signature of HOD
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners name with signature

1.  5/11/2022


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


KUVEMPU  **UNIVERSITY**

Sahyadri Science College

Shivamogga-577203

CERTIFICATE

This is to certify that the project work report entitled "**Synthesis, characterization and antihelmenthic activity of thiadiazol derivatives**" is carried out by **Vishwasa A.** submitted for the partial fulfillment of academic curriculum of **IV semester, M. Sc. Chemistry**, under the guidance of **Dr. Prabhakar W. Chavan**, Assistant Professor, Department of Chemistry, Sahyadri Science College -577203.


Research Guide

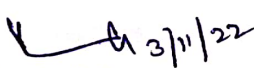
Dr. Prabhakar W. Chavan
Dr. Prabhakar Chavan

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

Assistant Professor

Dept. of PG Studies & Research in Chemistry
Sahyadri Science College, Kuvempu University
Shivamogga-577 203, Karnataka, INDIA.

Coordinator


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

Co-ordinator
Department of P.G. Studies
and Research in Chemistry
Sahyadri Science College
Shimoga


Head of the Department

Dr. G. Krishnamurthy

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

H.O.D. of Chemistry
Sahyadri Science College
SHIVAMOGGA-577 203

Examiners

1. 

2. 


PRINCIPAL

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

Certificate

*This is to certify that the project work entitled "Synthesis and spectral characterization of novel 2-amino benzothiazole substituted Ni(II),Cu(II) Phthalocyanine" submitted by Kavya H.S for the award of the degree of **MASTER OF SCIENCE IN CHEMISTRY-2022** is based on the practical work carried out by her under my supervision. The project or any part of there work has not been previously submitted for any other degree/diploma either to this or any other University.*

Place: Shivamogga

Date: 5/11/2022



Dr. K P Latha

Professor

Department of PG Studies &
Research in Chemistry



Dr. Shreekantha S.A.

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

Co-ordinator

Signature of PG Coordinator

Department of Chemistry
and Research in Chemistry
Sahyadri Science College
Shivamogga



Dr. G. Krishnamurthy

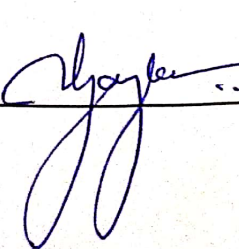
M.Sc., M.Phil., Ph.D.,

H.O.D. of Chemistry

Signature of HOD
Sahyadri Science College

SHIVAMOGGA-577 203

Examiners name with signature

1.  5/11/2022

2. 

KUVEMPU



UNIVERSITY

Sahyadri Science College

CERTIFICATE

This is the certify that the project work report entitled "Synthesis, spectroscopic studies and antibacterial activity of a tridentate Azo-schiff base ligand and their transition metal" carried out by Sanjay M S , Veeragouda B G, Vidyashree M C , Veena K S, Swathi N D, Jagalur sushma, are the students of IVth semester M.Sc , Industrial chemistry under the guidance Dr G Krishnamurthy and Dr Anitha, Sahyadri Science College P G Department of Industrial Chemistry Sahyadri Science College Shimoga .

For the partial fulfillment of requirements for the award of the degree Master of science in Industrial Chemistry in Sahyadri Science College , Shivamogga during the year 2020-21.

Chairman :

Dr.G.Krishnamurthy

Professor

Department of Chemistry

Sahyadri Science College

Shivamogga

Coordinator :

11/10/21

Dr.Anitha

Associate Professor

Department of Industrial Chemistry

Sahyadri Science College

Shivamogga

Examiners :

External examiner :

11/10/2021

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SHIMOGA, Karnataka State.

Internal examiner :

11/10/21





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SAHYADRI SCIENCE COLLEGE

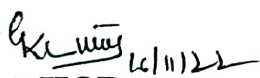
Shimoga (Autonomous)
(A College with Potential for Excellence)



CERTIFICATE

This is to certify that the project work entitled **“THE PROCESS OF MANUFACTURE OF DUCTILE IRON AND ANALYSIS OF DUCTILE IRON”** Submitted by **Bhavani M H, K V Chiranjeevi, Nayana M and Pavanasutha G R**, pursuing X Semester, Integrated M.Sc (Hon’s) in Applied Chemistry, students of Sahyadri Science College (Auto), Kuvempu University, Shivamogga has successfully completed their’s project work for a period 01.08.2022 to 14.08.2022 under our supervisions and guidance.


We further certify that the work is original and has not been submitted to any other university wholly or in a part of award of any other degree.


HOD

Prof. G KRISHNAMURTHY
Chairman
Dept. of Chemistry
Sahyadri Science College
Shivamogga



Co-ordinator
Dr. P. PARAMESHWAR NAIK
Associate Professor
Dept. of Chemistry
Sahyadri Science College
Shivamogga


External Examiner

Date: 19-11-2022
Place: Shivamogga


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SAHYADRI SCIENCE COLLEGE
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SHIMOGGA, Karnataka State.


Internal Examiner





Estd 1940

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Shimoga

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(A College with Potential for Excellence)



CERTIFICATE

This is to certify that the **Ms. Bhavani M H, Ms. Nayana M, Ms. Soundarya M B, Mr. K V Chiranjeevi Mr. Pavanasutha G R**, 7th semester M.Sc (Hon's) in Applied Chemistry, student of Sahyadri Science College (Auto), Kuvempu University, Shimoga under your supervision and guidance

We further certify that the work is original and has not been submitted to any other university wholly or in a part of award of any other degree.

Guide:

Dr. G Krishnamurthy
Chairman,
Dept of chemistry
Sahyadri science college
shimoga

Chairman

Dr. G Krishnamurthy
Chairman
Dept of chemistry
Sahyadri Science College
shimoga

Co-ordinator:
Dr. K P Latha

Associate Professor
Dept of Chemistry
Sahyadri Science College
Shimoga

External examiner

Internal examiner

Date: 12/08/2021

Place: Shimoga

PRINCIPAL

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



KUVEMPU UNIVERSITY



Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that **Bhavana G.M. Chinmayee S.B, Namana U.S, Pavithra lakshmi T.M** 2nd semester M.Sc(Honour's) in Chemistry, student of Sahyadri science college, Kuvempu university Shivamogga under my supervisions and guidance.

We further certify that the work is original and has not been submitted to any other university wholly or in a part of award of any other degree.

Guide

Dr. Vinoda B.M
Lecture
Dept. of Chemistry
Sahyadri Science college
Shivamogga -577203

HOD

Prof.G. Krishnamurthy
Chairman
Dept. of Chemistry
Sahyadri Science college
Shivamogga -577203

External examiner

Place: Shivamogga
Date: 24-12-2022

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

Internal examiner

VALUED

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

Signature of Examiners
with date :

Sahyadri Science College, Dept. of Chemistry

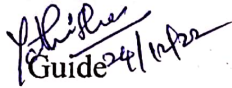

KUVEMPU UNIVERSITY

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that **SATHISH T** and **YASHAWANTHA K R** 2nd semester M.Sc(Honour's) in Chemistry, students of Sahyadri science college, Kuvempu university Shivamogga under We supervisions and guidance.

We further certify that the work is original and has not been submitted to any other university wholly or in a part of award of any other degree.


Guide

Dr. Yathisha R O
Lecture
Dept. of Chemistry
Sahyadri Science college
Shivamogga -577203


HOD

Prof.G. Krishnamurthy
Chairman
Dept. of Chemistry
Sahyadri Science college
Shivamogga -577203



External examiner


PRINCIPAL

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

Place: Shivamogga

Date: 24/12/22

VALUED Internal examiner
1. 
2.  24/12/22
Signature of Examiners with date :

Sahyadri Science College, Dept. of Chemistry





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Shimoga

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Department of Chemistry
Sahyadri Science College
Shivamogga – 577203

CERTIFICATE

This is to certify that **BHAVANI M H, K V CHIRANJEEVI, NAYANA M and PAVANASUTHA G R**, IX Semester, Integrated M.Sc (Hon's) in Chemistry, students of Sahyadri Science College (Auto), Kuvempu University, Shivamogga under our supervisions and guidance.

We further certify that the work is original and has not been submitted to any other university wholly or in a part of award of any other degree.


Guide

Prof. KP LATHA

Professor

Dept. of Chemistry
Sahyadri Science College (Auto)
Shivamogga-577203


Guide

03/06/22

Dr. Malathesh Pari

Lecturer

Dept. of Chemistry
Sahyadri Science College (Auto)
Shivamogga-577203


HOD

Prof. G Krishnamurthy

Chairman

Dept. of Chemistry
Sahyadri Science College
Shivamogga

Co-ordinator

Dr. P. Parameshwar Naik

Associate Professor

Dept. of Chemistry
Sahyadri Science College
Shivamogga


External Examiner


Internal Examiner

Date:

Place: Shivamogga


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





ಕೆಲದಿ ಶಿವಪ್ಪ ನಾಯಕ ಕೃಷಿ ಮತ್ತು ತೋಟಗಾರಿಕಾ ವಿಶ್ವವಿದ್ಯಾಲಯ
Keladi Shivappa Nayaka University of Agricultural & Horticultural Sciences
Navile, Shivamogga - 577204, KARNATAKA, INDIA

CERTIFICATE

This is to certify that the project work entitled "**ASSESSMENT OF SOIL SAMPLE**" Submitted by **JYOTHI K R, SHAMBHAVI V S, SINCHANA R** and **SOUNDARYA M B**, pursuing **X Semester**, Integrated **M.Sc (Hon's)** in Applied Chemistry, students of Sahyadri Science College (Auto), Kuvempu University, Shivamogga has successfully completed their's project work for a period 01.08.2022 to 14.08.2022 under our supervisions and guidance.

We further certify that the work is original and has not been submitted to any other university wholly or in a part of award of any other degree.



Guide

Dr. SHILPASHREE Y P

Assistant Professor

Dept. of soil science and agriculture chemistry
Keladi Shivappa Nayaka University of
Agricultural & Horticultural sciences
Shivamogga-577203



HOD

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Chairman
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Shivamogga



External Examiner

Date: 19-11-2022

Place: Shivamogga



Co-ordinator

Dr. P. Parameshwar Naik
Associate Professor
Dept. of Chemistry
Sahyadri Science College
Shivamogga



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Internal Examiner
SAHYADRI SCIENCE COLLEGE
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SHIMOGGA, Karnataka State.





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Department of Chemistry
Sahyadri Science College
Shivamogga – 577203

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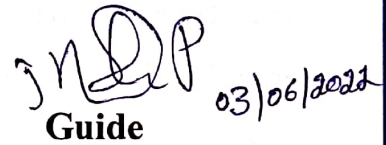
This is to certify that **JYOTHI K R, SHAMBHAVI V S, SINCHANA R** and **SOUNDARYA M B**, IX Semester, Integrated M.Sc (Hon's) in Chemistry, students of Sahyadri Science College (Auto), Kuvempu University, Shivamogga under our supervisions and guidance.

We further certify that the work is original and has not been submitted to any other university wholly or in a part of award of any other degree.



Prof. K P LATHA

Professor
Dept. of Chemistry
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03/06/2021

Dr. Malathesh Pari

Lecturer
Dept. of Chemistry
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Shivamogga-577203



Prof. G Krishnamurthy

Chairman
Dept. of Chemistry
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Shivamogga

Co-ordinator

Dr. P. Parameshwar Naik

Associate Professor
Dept. of Chemistry
Sahyadri Science College
Shivamogga

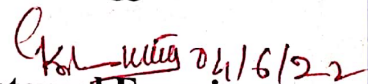


External Examiner



PRINCIPAL

SAHYADRI SCIENCE COLLEGE
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SHIMOGGA, Karnataka State.



04/6/22

Internal Examiner

Date:
Place: Shivamogga



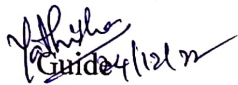

KUVEMPU UNIVERSITY

Sahyadri Science College, Shivamogga

CERTIFICATE

This is to certify that **Aruna V H and Tejas V R** 2nd semester M.Sc(Honour's) in Chemistry, students of Sahyadri science college, Kuvempu university Shivamogga under We supervisions and guidance.

We further certify that the work is original and has not been submitted to any other university wholly or in a part of award of any other degree.


Guide

Dr. Yathisha R O
Lecture
Dept. of Chemistry
Sahyadri Science college
Shivamogga -577203


HOD

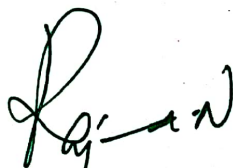
Prof.G. Krishnamurthy
Chairman
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Sahyadri Science college
Shivamogga -577203

External examiner




Place: Shivamogga

Date:



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SHIVMOGA, Karnataka State


Internal examiner

Sahyadri Science College, Dept. of Chemistry

