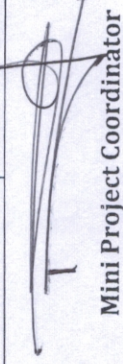


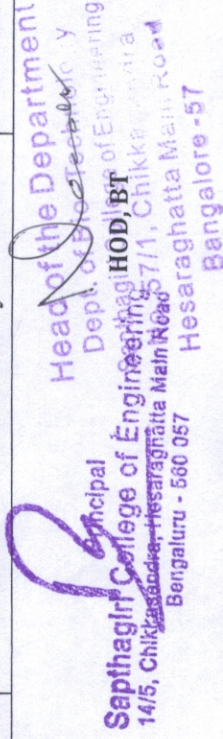
AY:2021-2022

DEPARTMENT OF BIOTECHNOLOGY

18BTMP68 - MINI PROJECT BATCH LIST-Academic Year 2021-22

| Sl.No | Student Group | USN No | Title of the Project | Guide |
|-------|---------------------|------------|---|------------------|
| 1 | AASIMA RIZWANA Y M | 1SG19BT001 | Effect of green inhibitor on corrosion | Prof. Kavya MV |
| | CHERUKURI DHARA | 1SG19BT010 | | |
| | MEGHASHREE D | 1SG19BT019 | | |
| | VEDHASHREE M | 1SG19BT040 | | |
| 2 | BHARATH KUMAR N | 1SG19BT008 | Bacterial fertilizers | Dr. Gowri Mirjee |
| | S K VISHAL | 1SG19BT028 | | |
| | SOUJANYA S | 1SG19BT032 | | |
| | SANJAY K | 1SG19BT029 | | |
| 3 | ABHISHEK HAZRA | 1SG19BT002 | Microwave assisted green synthesis of carbon dots | Dr. Chaitra BS |
| | ALOVILI SOM | 1SG19BT003 | | |
| | ANUSHKA AJAY SONONE | 1SG19BT006 | | |
| | AMRUTH C SEKHAR | 1SG19BT004 | | |
| 4 | DUSHYANTH J | 1SG19BT012 | Isolation identification and characterization of phosphate solubilising bacteria from soil and preparation of biofertilizer | Dr Soumya C |
| | IRAM AHMED | 1SG19BT015 | | |
| | MOHAMMED SAQIB | 1SG19BT020 | | |
| | AMULYA SM | 1SG19BT005 | | |
| 5 | | | Isolation of bromelain enzyme from | Dr Soumya C |


Mini Project Coordinator

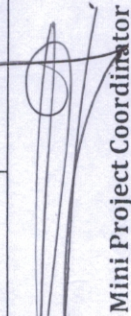

Head of the Department
Dept. of Biotechnology
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057
HOD, BT
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

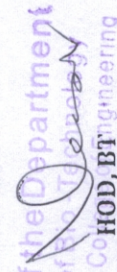
AY:2021-2022

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18BTMP68 - MINI PROJECT BATCH LIST-Academic Year 2021-22

| | | | | |
|----|--------------------|------------|---|------------------|
| | SPANDANA IYER | 1SG19BT034 | pineapple and estimation of its enzyme activity | |
| | VAISHNAVI R | 1SG19BT037 | | |
| 6 | BHAVANA N | 1SG19BT009 | characterization of keratinase enzyme from the microbial source | Dr. Veena S More |
| | HARSHITHA R | 1SG19BT013 | | |
| | KEERTHANA S | 1SG19BT017 | | |
| | VIDYASHREE J | 1SG19BT041 | | |
| 7 | DEEPTHI K | 1SG19BT011 | Isolation, characterization and determination of activity of gamma-CGTase from alkalophilic bacteria | Dr. Veena S More |
| | NIKITHA L | 1SG19BT021 | | |
| | SNEHA D J | 1SG19BT031 | | |
| | SURAJ PRATAP SINGH | 1SG19BT035 | | |
| 8 | JANANI SRIDHARAN | 1SG19BT016 | Bacterial contamination on the surface of mobile phones | Prof. Ramya DL |
| | P SOWJANYAA | 1SG19BT023 | | |
| | VANDANA V | 1SG19BT038 | | |
| | PALLAVI G | 1SG19BT044 | | |
| 9 | KEERTHI REDDY S | 1SG19BT018 | Phytochemical analysis and total phenol and flavonoid content of the plant extract <i>Nasturtium officinale</i> | Dr. Shobha G |
| | PALLAVI GOWDA J | 1SG19BT025 | | |
| | ROHINI B N | 1SG19BT027 | | |
| | YASHASWINI B R | 1SG19BT043 | | |
| 10 | NITYASHREE | 1SG19BT022 | Green synthesis of silver nanoparticles using | Dr. Shobha G |


Mini Project Coordinator


Head of the Department
Dept. of Biotechnology
Sapthagiri College of Engineering
HOD, BT Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

AY:2021-2022

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18BTMP68 - MINI PROJECT BATCH LIST-Academic Year 2021-22

| | PADMINI MURUGESH SINGH | 1SG19BT024 | Nasturtium officinale | |
|----|---------------------------|------------|---|---------------------|
| | | | | |
| 11 | TANUSHKA MANTRI | 1SG19BT036 | Elucidation of mass transfer rate of drug delivery and rate constant of antimicrobial activity: PVA encapsulated biopolymeric film using shrinking core model | Dr. Allwin Ebinesar |
| | YASHAS L | 1SG19BT042 | | |
| | PUNITKUMAR MATH | 1SG19BT026 | | |
| | SHRINKHALA SRIVASTAVA | 1SG19BT030 | | |
| | SOUKARYA RAHA | 1SG19BT033 | | |
| | VARSHA C | 1SG19BT039 | | |
| 12 | HARSSHITHA JK | 1SG19BT014 | Transformation in bacteria by heat shock method | Prof. Ramya DL |

Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru - 560 057
Principal
Head of the Department
Dept. of Bio. Technology
Sapthagiri College of Engineering
HOD, BT Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bengaluru - 57

Mini Project Coordinator

A MINI PROJÉT ENTITLED

Effect of Green Inhibitor on Corrosion

Submitted to



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

KARNATAKA, INDIA

Submitted By

AasimaRizwana. Y M (USN: 1SG19BT001)
Cherukuri. Dhara (USN: 1SG19BT010)
MeghaShree. D (USN: 1SG19BT019)
Vedhashree. M (USN: 1SG19BT040)

Under the Guidance of
Prof. KAVYA M V
Assistant Professor



DEPARTMENT OF BIO-TECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

KARNATAKA, INDIA

Sri Srinivasa Educational & Charitable Trust



SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057 An ISO 90001:2015 and 14001:2015 Certified

Institution Accredited by NAAC -A GRADE

DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE

This is to certify that Ms. Aasima Rizwana Y M (1SG19BT001), Ms. Cherukuri. Dhara (1SG19BT0010), Ms. Megha Shree D (1SG17BT019), Ms. Vedhashree M (1SG19BT040) who is a Bonafide students of Sapthagiri College of Engineering Bengaluru 560-057 have successfully completed Mini Project entitled "Effect of Green Inhibitor on Corrosion" under the guidance of Prof. Kavya MV during the year 2021-2022

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Signature of the
Guide

Signature of the Mini
Project Coordinator

Signature of
the HOD

Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bengaluru - 560 057

Sapthagiri
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

A MINI PROJET ENTITLED
BACTERIAL FERTILIZER

Submitted to



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057.

Submitted By

BHARATH KUMAR. N (1SG19BT008)

S .K. VISHAL (1SG19BT028)

SANJAY. K (1SG19BT029)

SOUJANYA .S (1SG19BT032)

Under the Guidance of
Dr. GOWRI MIRJI
Assistant Professor



DEPARTMENT OF BIO-TECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-
57(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE,
New Delhi) #14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

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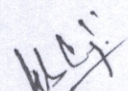
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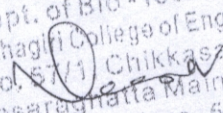
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This is to certify that **Mr. BHARATH KUMAR. N (1SG19BT008), Mr. S .K. VISHAL (1SG19BT028), Mr. SANJAY. K (1SG19BT029), Ms. SOUJANYA .S (1SG19BT032)** who is a Bonafide students of Sapthagiri College of Engineering Bengaluru 560-057 have successfully completed Mini Project entitled **"BACTERIAL FERTILIZER"** under the guidance of **Dr. GOWRI MIRJI** during the year **2021-2022**


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057


Signature of the
Guide


Signature of the Mini
Project Coordinator


Head of the Department
Dept. of Bio -Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bengaluru - 57
Signature of
the HOD

A MINI PROJECT ENTITLED

MICROWAVE ASSISTED GREEN SYNTHESIS OF CARBON DOTS

Submitted to



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

Submitted By

ABHISHEK HAZRA (1SG19BT002)
ALOVILI SOM (1SG19BT003)
ANUSHKA A. SONONE (1SG19BT006)

Under the Guidance of

PROF. DR. CHAITRA B S

Assistant Professor

DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

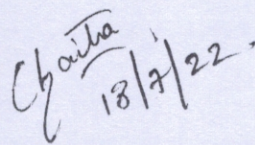
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KARNATAKA, INDIA

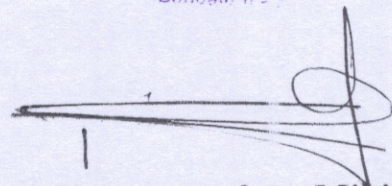
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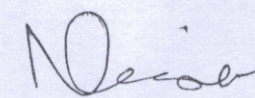
CERTIFICATE

This is to certify that **Mr. Abhishek Hazra (1SG19BT002), Ms. Alovili Som (1SG19BT003), Ms. Anushka Ajay Sonone (1SG19BT006)** who are bonafide students of Sapthagiri College of Engineering, Bengaluru -57 have successfully completed Mini Project entitled "MICROWAVE ASSISTED GREEN SYNTHESIS OF CARBON DOTS" under the guidance of **Dr. Chaitra B S** Asst. Professor, Department of Biotechnology during the year 2021-2022.


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057


18/7/22
Signature of the Mini
project Guide

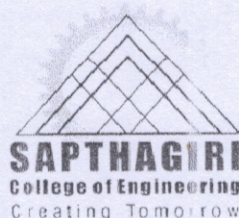

Signature of the Mini
Project Coordinator


Signature of the Head
of the Department
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bengaluru - 560 057

A MINI PROJÉT ENTITLED

**ISOLATION IDENTIFICATION AND
CHARACTERIZATION OF PHOSPHATE
SOLUBILISING BACTERIA FROM SOIL AND
PREPERATION OF BIOFERTILIZER**

Submitted to



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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

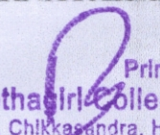
Submitted By

AMRUTH C SEKHAR(1SG19BT004)
DUSHYANTH J(1SG19BT012)
IRAM AHMED(1SG19BT015)
MOHAMMED SAQIB(1SG19BT020)

Under the Guidance of

Dr. Soumya C
Assistant Professor

DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
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#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

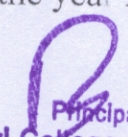

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Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road

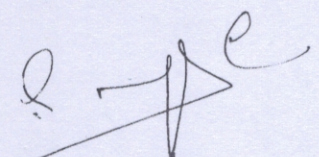
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KARNATAKA, INDIA

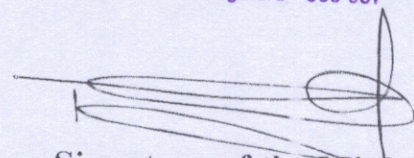
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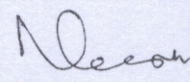
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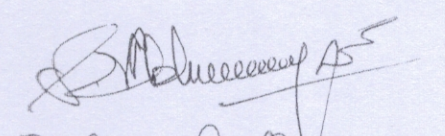
This is to certify that Mr. Amruth C Sekhar (1SG19BT004), Mr. Dushyanth J (1SG19BT012), Ms. Iram Ahmed (1SG19BT015), Mr. Mohammed Saqib (1SG19BT020) who are bonafide students of Sapthagiri College of Engineering, Bengaluru -57 have successfully completed Mini Project entitled "Isolation Identification and Characterization of Phosphate Solubilizing Bacteria from soil and preparation of biofertilizer" under the guidance of Prof. Soumya C during the year 2021-2022.


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057


Signature of the Guide


Signature of the Mini Project Coordinator


Signature of the HOD


External Examiner

HOD
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore -57



A MINI PROJECT ENTITLED
ISOLATION OF BROMELAIN ENZYME FROM PINEAPPLE AND
ESTIMATION OF ITS ENZYME ACTIVITY

Submitted to



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

Submitted By

Amulya S M (1SG19BT005)
Spandana Iyer (1SG19BT034)
Vaishnavi R (1SG19BT037)

Under the Guidance of

Dr. Soumya C
Assistant Professor
Department of Biotechnology


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

KARNATAKA, INDIA

CERTIFICATE

This is to certify that Ms. Amulya S M (1SG19BT005), Ms. Spandana Iyer (1SG19BT034), Ms. Vaishnavi R (1SG19BT037) who is a bonafide student of Sapthagiri College of Engineering Bengaluru -57 has successfully completed Mini Project entitled “ISOLATION OF BROMELAIN ENZYME FROM PINEAPPLE AND ESTIMATION OF ITS ENZYME ACTIVITY” under the guidance of Prof. Dr. Soumya C during the year 2021-2022.

Signature of the Guide

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

**Signature of the Mini
Project Coordinator**

Signature of the

HOD

Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bengaluru - 57

A MINI PROJECT ENTITLED
“ISOLATION AND CHARACTERIZATION OF KERATINASE
ENZYME FROM THE MICROBIAL SOURCE”

Submitted to



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

Submitted By:

VIDYA SHREE. J (USN: 1SG19BT041)

HARSHITHA. R (USN: 1SG19BT013)

KEERTHANA. S (USN: 1SG19BT017)

BHAVANA. N(USN: 1SG19BT009)


Under the Guidance of:

DR. VEENA S. MORE

Professor & Head



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru- 560 057



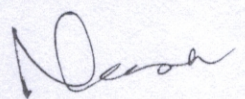
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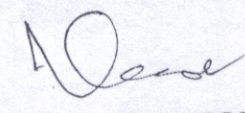
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE

This is to certify that Ms. VIDYA SHREE J (1SG19BT041), Ms. HARSHITHA R. (1SG19BT013), Ms. KEERTHANA S. (1SG19BT017), Ms. BHAVANA N. (1SG19BT009), who are bonafide students of Sapthagiri College of Engineering, Bengaluru - 57 has successfully completed their Mini Project entitled "Isolation and Characterization of Keratinase Enzyme from the Microbial Source" under the guidance of Dr. VEENA S. MORE.


Signature of the Guide


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Signature of the Mini Project
Coordinator


Signature of the HOD
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore-57

A MINI PROJÉT ENTITLED
ISOLATION, CHARACTERISATION AND DETERMINATION OF ACTIVITY
OF γ -CGTase FROM ALKALOPHILIC BACTERIA

Submitted to



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

Submitted By

Ms. Deepthi K(1SG19BT011)

Ms. Nikitha L(1SG19BT021)

Ms. Sneha DJ(1SG19BT031)

Mr. Suraj Pratap Singh(1SG19BT035)

Under the Guidance of

Dr. veena s more.

DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057


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Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



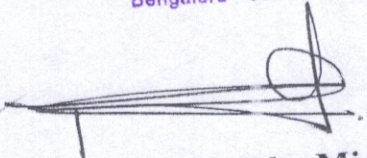
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DEPARTMENT OF BIOTECHNOLOGY

CERTIFICATE.

This is to certify that **Ms. DEEPTHI.K.(1SG19BT011), Ms. NIKITHA.L (1SG19BT021), Ms. SNEHA.DJ (1SG19BT031), Mr. SURAJ PRATAP SINGH (1SG19BT035)** who are the Bonafide students of Sapthagiri College of Engineering Bengaluru -57 has successfully completed Mini Project entitled **"ISOLATION, CHARACTERISATION AND DETERMINATION OF ACTIVITY OF γ -CGTase FROM ALKALOPHILIC BACTERIA"** under the guidance of Assistant Professor **Dr. VEENA S MORE** during the year 2021-2022.

Signature of the Guide

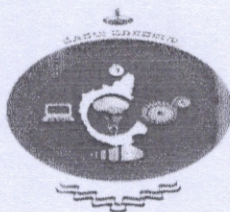

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057


Signature of the Mini
Project Coordinator

Signature of the
HOD
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore - 57

**A MINI PROJECT ENTITLED
BACTERIAL CONTAMINATION ON THE SURFACES OF MOBILE
PHONES**

Submitted to



**VISVESVARAYA TECHNOLOGICAL UNIVERSITY
BELAGAVI-INDIA**

In Partial fulfillment for the award of Degree

**Bachelor of Engineering
IN
BIOTECHNOLOGY**

Submitted By

Ms. JANANI SRIDHARAN (1SG19BT016)

Ms. SOWJANYA P (1SG19BT023)

Ms. VANDANA V (1SG19BT038)

Ms. PALLAVI GV (1SG19BT044)

Under the Guidance

Prof. Ramya DL

**Assistant Professor, Department of Biotechnology
Sapthagiri College of engineering**



**DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57**

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)

An ISO 90001:2015 and 14001:2015 Certified Institution

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057

KARNATAKA, INDIA

JULY-2022

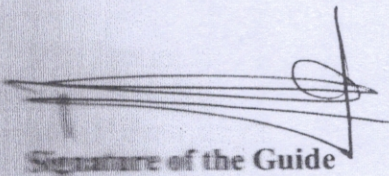
Sapthagiri College of Engineering
Principal
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



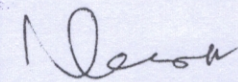
Sri Srinivasa Educational & Charitable Trust
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DEPARTMENT OF BIOTECHNOLOGY

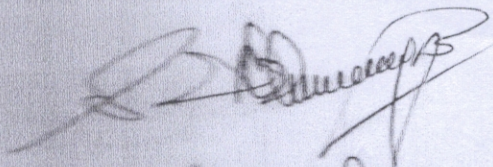
CERTIFICATE

This is to certify that Ms. JANANI SRIDHARAN (1SG19BT016), Ms. SOWJANYA P (1SG19BT023), Ms. VANDANA V (1SG19BT038), Ms. PALLAVI GV (1SG19BT044), who are a bonafide students of Sapthagiri College of Engineering, Bengaluru -57 has successfully completed their Mini Project entitled "BACTERIAL CONTAMINATION ON THE SURFACES OF MOBILE PHONES" partial fulfillment for the award of Bachelor of Engineering in Biotechnology as laid down by Visvesvaraya Technological University (VTU), Belagavi during the year 2022.


Signature of the Guide


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057
Signature of the Coordinator

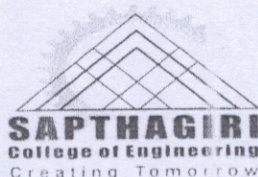

Signature of the HOD
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore -57


External Examiner

A MINI PROJECT ENTITLED

PHYTOCHEMICAL ANALYSIS AND TOTAL PHENOL AND FLAVONOID CONTENT OF THE PLANT EXTRACT *NASTURTIUM OFFICINALE*

Submitted to



DEPARTMENT OF BIOTECHNOLOGY SAPTHAGIRI COLLEGE OF ENGINEERING

(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE,
New Delhi)

#14/5 Chikkasandra, Hesaraghatta Main Road , Bengaluru- 560 057 Karnataka, India .

Submitted By

KEERTHI REDDY S (1SG19BT018)

PALLAVI GOWDA J (1SG19BT025)

ROHINI B N (1SG19BT027)

YASHASWINI B R (1SG19BT043)

Under the guidance of

Prof. SHOBHA G

Assistant professor, Department of Biotechnology

SAPTHAGIRI COLLEGE OF ENGINEERING

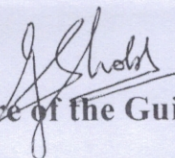
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New Delhi #14/5 Chikkasandra , Hesaraghatta Main Road , Bengaluru- 560 057
Karnataka, India .

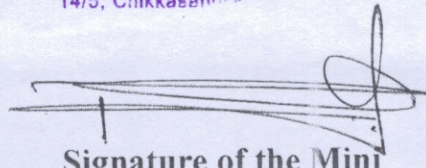

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Sapthagiri College of Engineering
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Bengaluru - 560 057

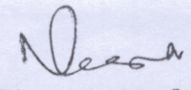
CERTIFICATE

This is to certify that **Ms. Keerthi Reddy S (1SG19BT018), Ms. Pallavi Gowda J (1SG19BT025), Ms. Rohini B N (1SG19BT027), Ms. Yashaswini B R (1SG19BT043)** who is a bonafide student of Sapthagiri College of Engineering Bengaluru -57 has successfully completed Mini Project entitled **“Phytochemical analysis and Total Phenol and Flavonoid Content of the plant extract *Nasturtium officinale*”** under the guidance of Prof. Shobha G during the year 2021-2022.

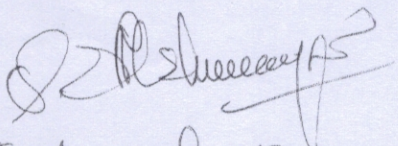

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra


Signature of the Guide


Signature of the Mini
Project Coordinator


Signature of the

HOD
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore -57


External Examiner

A MINI PROJCT ENTITLED
GREEN SYNTHESIS OF SILVER NANOPARTICLES USING
Nasturtium Officinale

Submitted to



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

Submitted By:

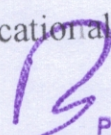
| | |
|-----------------|--------------|
| Nityashree | (1SG19BT022) |
| Padmini Singh | (1SG19BT024) |
| Tanushka Mantri | (1SG19BT036) |
| Yashas L | (1SG19BT042) |

Under the Guidance of

Dr. SHOBHA G

Assistant Professor, Department of Biotechnology

DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057 **KARNATAKA, INDIA**
Sri Srinivasa Educational and Charitable trust


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



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New Delhi)

#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

CERTIFICATE

This is to certify that **Mr. Yashas L (1SG19BT042), Ms. Nityashree (1SG19BT022), Ms. Padmini Murugesh Singh (1SG19BT024), Ms. Tanushka Mantri (1SG19BT036)** who is a bonafide student of Sapthagiri College of Engineering Bengaluru -57 has successfully completed Mini Project entitled **"GREEN SYNTHESIS OF SILVER NANOPARTICLES USING *Nasturtium Officinale*"** under the guidance of Prof. Shoba G during the year 2021-22.

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Signature of the Guide

**Signature of the Mini
Project Coordinator**

Signature of the HOD
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
#14/5, Chikkasandra
Hesaraghatta Main Road
Bengaluru-57

A MINI PROJCT ENTITLED

**Elucidation of mass transfer rate of drug delivery and
rate constant of Antimicrobial activity: PVA
encapsulated biopolymeric film using Shrinking core
model**

Submitted to



**DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING,
BENGALURU-57**

**(Affiliated to Visvesvaraya Technological University,
Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-
560 057**

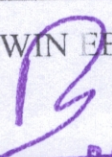
KARNATAKA, INDIA

Submitted By

**PUNITKUMAR MATH(1SG19BT026)
SHRINKHALA SRIVASTAVA(1SG19BT030)
SOUKARYA RAHA(1SG19BT033)
VARSHA C(1SG19BT039)**

Under the Guidance of

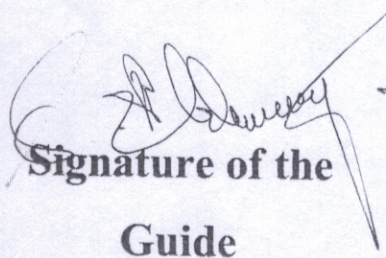
DR. J S S ALLWIN EBINESAR

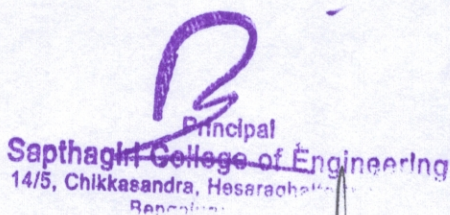

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Bengaluru - 560 057

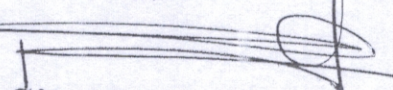
DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING,
BENGALURU-57

CERTIFICATE

This is to certify that Mr. Punitkumar Math(1SG19BT026), Ms. Shrinkhala Srivastava (1SG19BT030), Mr. Soukarya Raha(1SG19BT033),Ms. Varsha C (1SG19BT039) who is a bonafide student of Sapthagiri College of Engineering Bengaluru -57 has successfully completed Mini Project entitled “**Elucidation of mass transfer rate of drug delivery and rate constant of antimicrobial activity of: PVA encapsulated biopolymeric film using Shrinking core model**” under the guidance of Prof. Dr. Allwin Ebinesar during the year 2021-2022.


Signature of the
Guide

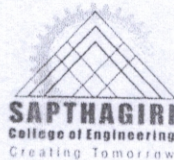

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraohally
Bangalore


Signature of the
Mini Project
Coordinator

Signature of the
HOD
Head of the Department
Dept. of Bio-Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraohally Main Road
Bangalore -57

A MINI PROJET ENTITLED
TRANSFORMATION IN BACTERIA BY HEAT SHOCK METHOD

Submitted to



DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA

Submitted By

HARSSHITHA JK

USN:1SG19BT014

Under the Guidance of

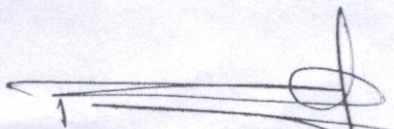
Prof. RAMYA DL

DEPARTMENT OF BIOTECHNOLOGY
SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57
(Affiliated to Visvesvaraya Technological University, Belagavi & Approved by AICTE, New Delhi)
#14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560 057
KARNATAKA, INDIA


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

CERTIFICATE

This is to certify that **Ms. HARSSHITHA JK (1SG19BT014)** who is a bonafide student of Sapthagiri College of Engineering Bengaluru -57 has successfully completed Mini Project entitled "**Transformation in bacteria by Heat shock method**" under the guidance of Prof. RAMYA. DL during the year 2021-2022.

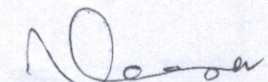


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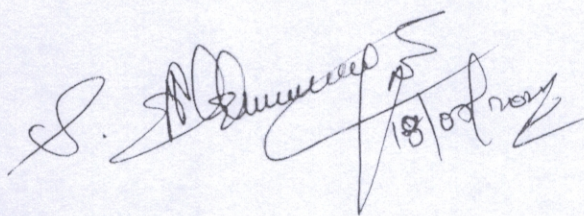
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesara
Bengaluru -57

Signature of the Mini
Project Coordinator



Signature of the
HOD

Head of the Department
Dept. of Bio -Technology
Sapthagiri College of Engineering
No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bengaluru -57



S. Ramya DL
18/08/2022