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AY:2021-2022

DEPARTMENT OF BIOTECHNOLOGY

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

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

Mini Project Coordinator

Sapthagir Corlege of Engineering HOD/BT CHIKE Bengaluru - 580 057

Head

Hesaraghatta Mai

Bangalore-57



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AY:2021-2022

DEPARTMENT OF BIOTECHNOLOGY

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

	SPANDANA IYER	1SG19BT034	pineapple and estimation of its enzyme	
	VAISHNAVI R	1SG19BT037	activity	
	BHAVANAN	1SG19BT009		
9	HARSHITHA R	1SG19BT013	characterization of keratinase enzyme from	
	KEERTHANA S	1SG19BT017	the microbial source	Dr. Veena S More
	VIDYASHREE J	1SG19BT041		
	DEEPTHI K	1SG19BT011		
7	NIKITHA L	1SG19BT021	Isolation, characterization and determination	Dr. Vaene C More
	SNEHA D J	1SG19BT031	of activity of gama-colfass from alvarophinic bacteria	DI. Volid 3 Mole
	SURAJ PRATAP SINGH	1SG19BT035		
	JANANI SRIDHARAN	1SG19BT016		
∞	P SOWJANYAA	1SG19BT023	Bacterial contamination on the surface of	i i
	VANDANA V	1SG19BT038	mobile phones	Prot. Kamya DL
	PALLAVI G	1SG19BT044		
	KEERTHI REDDY S	1SG19BT018		
6	PALLAVI GOWDA J	1SG19BT025	Phytochemical analysis and total phenol and	Dr. Shobha G
	ROHINI B N	1SG19BT027	tlavonoid content of the plant extract Nasturtium officinale	
	YASHASWINI B R	1SG19BT043	77	
10	NITYASHREE	1SG19BT022	Green synthesis of silver nanoparticles using	Dr. Shobha G

Mini Project Coordinator

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Head

atta Main Roa Sapthagiri Collage of Engineering. 14/5, Chikkasandra, Hessraghatta Math Road Bengaluru - 560 057



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AY:2021-2022

DEPARTMENT OF BIOTECHNOLOGY

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

					The the		250.7
			Dr. Allwin Ebinesar				Prof. Ramya DL
Nasturtium officinale			Elucidation of mass transfer rate of drug delivery and rate constant of antimicrobial activity: PVA encapsulated biopolymeric film using shrinking core model				Transformation in bacteria by heat shock method
1SG19BT024	1SG19BT036	1SG19BT042	1SG19BT026	1SG19BT030	1SG19BT033	1SG19BT039	1SG19BT014
PADMINI MURUGESH SINGH	TANUSHKA MANTRI	YASHASL	PUNITKUMAR MATH	SHRINKHALA SRIVASTAVA	SOUKARYA RAHA	VARSHA C	HARSSHITHA JK
11							12

Sapthagiri College of Engineering Bengaluru - 560 057 Principal

Sapthagiri Col**HOD, BT**igineering Headofth Dept. of 8

Mini Project Coordinator

lepartment.

Hesaraghatta Main Road No. 57/1, Chikkasandra

Bangalore-57

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



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Sri Srinivasa Educational & Charitable Trust

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This is to certify that Ms. AasimaRizwana 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

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Project Coordinator

Signature of the HOD

Mead of the Department
Dept. of Bio Technology
Saptnagiri College of Agricelling
No. 57/1, Clicke of ordina
Hesaraghatta Mani Mani
Bappalore 57

Bengaluru - 550 057

Sapins

14/5, Chi. .

BACTERIAL FERTILIZER

Submitted to



DEPARTMENT OF BIOTECHNOLOGY SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

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Submitted By

BHARATH KUMAR. N (18G19BT008)

S.K. VISHAL (1SG19BT028)

SANJAY. K (1SG19BT029)

SOUJANYA .S (1SG19BT032)

Under the Guidance of Dr. GOWRI MIRJI Assistant Professor



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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

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Bengaluru - 560 057

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Signature of the Mini

Project Coordinator

Head of the Department Dept. of Bio - Technology Sapihagifi Chliege of Engineering

Signature of

the HOD

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 (ISG19BT002)
ALOVILI SOM (ISG19BT003)
ANUSHKA A. SONONE (ISG19BT006)

Under the Guidance of

PROF. DR. CHAITRA B S

Assistant Professor

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This is to certify that Mr. Abhishek Hazra (1SG19BT002), Ms. AloviliSom (1SG19BT003), Ms. Anushka Ajay Sonone (1SG19BT006) who arebonafide 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, Hasaraghatta 19, the Ross

Bengalimi -

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 Rio - Technology

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

Submitted to



DEPARTMENT OF BIOTECHNOLOGY SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

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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

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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 arebonafide 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.

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Project Coordinator

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riead of the Department
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No. 57/1, Chikkasandra
Hesaraghatta Main Road
Bangalore -57



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

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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

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Project Coordinator

Signature of the

HOD

Head of the Department
Dept. of Fig. Technology
Sapihagin Contigo Segmenting
No. 57(1) Chies and ra
Hesaraghatta Mani Road

& 20 Junion 18 Ans

"ISOLATION AND CHARACTERIZATION OF KERATINASE ENZYME FROM THE MICROBIAL SOURCE"

Submitted to



DEPARTMENT OF BIOTECHNOLOGY SAPTHAGIRI COLLEGE OF ENGINEERING, BENGALURU-57

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Submitted By:

VIDYA SHREE. J (USN: 1SG19BT041)

HARSHITHA. R (USN: 1SG19BT013)

KEERTHANA. S (USN: 1SG19BT017)

BHAVANA. N(USN: 1SG19BT009)

Under the Guidance of: DR. VEENAS. MORE Professor & Head

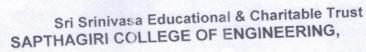


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Sapthagiri College of Engineering 14/5, Chikkasandra, Hesaraghatta Mai





SAPTHAGIRI College of Engineering Creating Tomorrow

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DEPARTMENT OF BIOTECHNOLOGY

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This is to certify that Ms. VIDYA SHREE J (1SG19BT041), Ms. HARSHITHA R. (1SG19BT013), Ms. KEERTHANA S. (1SG19BT017), Ms. (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. VEENAS. MORE.

Signature of the Guide

Signature of the Mini Project

Principal Sapthagiri College of Engineering 14/5, Chikkasandra, Heseragha la Nana Road

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Coordinator

Signature of the HOD

Head of the Departmen: Dept. of Bio - Technology sapthagiri College of Engineering No. 57/1, Chikkasandra Hesaraghatta Main Road Bangalore-57

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

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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

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This is to certify that Ms. DEEPTHI.K.(1SG19BT011), Ms. NIKITHA.L. (ISG19BT021), Ms. SNEHA.DJ (ISG19BT031), 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.

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Signature of the Mini

are of the Guide

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

Bangaiore 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

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KARNATAKA, INDIA JULY-2022

Sapthagiri College of Engineering

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DEPARTMENT OF BIOTECHNOLOGY

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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.

Sapthagiri College of Engineering 14/5, Chikkasandra, Hesalaghatta Main Ross

Signature of the Coordinator

Signature of the HOD

head of the Department Lapt. of Rio - Technology Sapinagin College of Engineering Masaraghatta Main Road Bangalore - 57

Separate of the Guide

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)

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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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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.

Sapthagiri College of Engineerica

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 Examina

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

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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

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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.

Sapthagiri College of Engineering 14/5, Chikkesandra, Hesaraghatta Main Read Bengaluru - 560 de7

Separate of the Guide

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Signature of the Mini

Project Coordinator

Signature of the HOD

Head of the Department
Dept of Bit Technology
Switting Control Engineering
No. 57.1, Chikknsandra
Hosarnghalta Van Road
Bangalara - 57

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. JSSALLWIN FBINESAR

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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.

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Signature of the Mini Project Coordinator

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Signature of the

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Head of the Department
Dept. of Bio - Technology
Sanhagii College of Engineering
No. 57/1. Chikkasandra
Hisaraghetta Main Ruan
Bangalore - 57

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

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Submitted By
HARSSHITHA JK
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Under the Guidance of
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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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S. Manuelle De Joseph