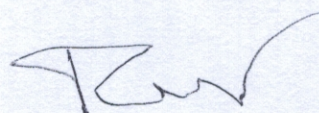



Project Batch List – AY 2021-22

Batch No	Name of the Student	USN	Name of the Guide	Title of the Project
1	AAKASH P	1SG18ME001	Dr. Tulsidas D	solid fuel operated propellant for surveillance
	AJEETH N	1SG18ME005		
	DEEKSHITH GOWDA BM	1SG18ME022		
2	CHETHAN S	1SG18ME021	Dr. Mahadeva Swamy P	Smart umbrella for car
	HALEMBRE AMBIKA	1SG18ME029		
	JEEVITH ARVIND	1SG18ME038		
	MANJUSHREE K	1SG18ME050		
3	ARUN KUMAR R	1SG18ME010	Satish Kumar Y D	Plastic bottle accumulation & management system for eco friendly environment
	JAYANTH T	1SG18ME037		
	KEERTHI G	1SG18ME041		
	PRIYANKA H S	1SG18ME065		
4	RAHUL KR	1SG18ME067	Mohan A E	Multi purpose vehicle using computer vision
	RAJAT GOWDA	1SG18ME069		
	SANDEEP GOWDA	1SG18ME073		
	BHARATH KUMAR	1SG19ME402		
5	DHANUSH G	1SG18ME023	A M Mahesha	Design & fabrication of soil moisture detection BOT with IOT
	LIKHITH R	1SG18ME046		
	AKHIL BABU	1SG18ME006		
	GOWTHAM N	1SG19ME408		
6	AKSHAY K	1SG18ME007	Mahesh S	Multipurpose agriculture machine
	HEMANTH KUMAR M	1SG18ME033		
	LOKENDRA N	1SG18ME047		
	NAVEEN KUMAR K	1SG19ME415		
7	SACHIN KT	1SG18ME071	Thejas M S	Electric bike with gear
	MD SHAHID M	1SG18ME054		
	PUNITH GOWDA	1SG18ME066		
	SUPREETH KUMAR	1SG18ME084		

	ASHA N	1SG18ME012		
	THILAK RAJU	1SG19ME431		
17	MANJESH K	1SG18ME049	Anil kumar P R	Path follower robot using microcontroller based on python program
	MANOJ N	1SG18ME053		
	PAVAN K R	1SG18ME057		
	SATHYA RAJ	1SG18ME076		
18	PRASHANTH B S	1SG18ME061	Ramesh N G	Characteristics of epoxy polymer with graphene nano particles
	PRASHANTH P	1SG18ME062		
	PRATHAP N	1SG18ME063		
	PRITHVI K	1SG18ME064		
19	SUSHANTH B G	1SG17ME089	Mahesh S	under water remotely operated vehicle
	DHRUVA NARAYAN S	1SG18ME024		
	DIVAKAR M J	1SG18ME025		
	KIRAN BADAMI	1SG18ME042		
20	CHETHAN V	1SG19ME404	Nataraj H N	Design and fabrication of Pro E-bike
	GOUTHAM K	1SG19ME407		
	PRAJWAL SP	1SG19ME419		
	ASHA M	1SG18ME011		
21	TEJAS P	1SG18ME087	Pramod S V	VIVACE- vertex induced vibration aquatic clean energy
	MANOJ KUMAR K N	1SG18ME051		
	AMIT A PATIL	1SG18ME009		
	ADARSH KUMAR PV	1SG18ME004		
22	RAHUL MISHRA	1SG18ME068	Chethan B P	Fire extinguishing robot using sound wave
	SHANTHANU H M	1SG18ME077		
	VIVEK. S	1SG18ME095		
	VISHWAJEET S P	1SG18ME094		
23	SANATH S T	1SG18ME072	Anil kumar P R	Tribological behaviour of graphene nano silicon reinforced epoxy composite
	SURAJ J	1SG18ME085		
	SUSHIL KUMAR SHAH	1SG18ME086		
	MANOJ M	1SG18ME062		
24	ABHISHEK N	1SG18ME003	Ramkumar M	Fabrication and analysis of novel rocket stove for rural cooking application
	HEMANTH BV	1SG18ME030		
	HEMANTH GOWDA V	1SG18ME031		
	HEMANTH KUMAR RK	1SG18ME034		

25	DEEKSHITH K N	1SG19ME405	Mohan A E	motorized scissor jack
	GAGAN G	1SG19ME406		
	PAVAN KUMAR B	1SG19ME417		
	PRADEEP R	1SG19ME418		
26	KIRAN KUMAR P	1SG18ME043	Ramesh N G	Design of machine elements problem using python
	T N SHARATH JAIN	1SG18ME078		
	AMRUTHADARSHNI	1SG19ME400		
	SANJAY J P	1SG19ME425		
27	VILAS RAJ Y	1SG18ME439	Nataraj H N	Gearless maglev wind mill power generation
	PARTHESH	1SG16ME062		
	CHATURTH E	1SG17ME014		
28	SRIKANTH.S	1SG17ME083	Thejas M S	Design of pneumatic bumper and intelligent breaking system
	ASHIK K.H	1SG17ME104		
	MALLIKARJUNA PATIL	1SG16ME050		
	SURYA SHUBHAM	1SG14ME350		
29	LIKITH G T	1SG18ME420	Ram Kumar M	Solar tracker with automation irrigation
	SHASHANK S	1SG18ME433		
	TILAK T JADHAV	1SG18ME436		
30	TEJAS L	1SG19ME429	Ram Kumar M	Improvement of battery performance for 2 wheeler by using Bio-Enzyme
	SANJAY L	1SG19ME426		
31	TEJASWVI N K	1SG19ME430	Dr. Basvaraj Ganiger	Dynamic mechanical analysis of epoxy reinforced composte material
	NITESH S	1SG19ME416		
	AKIL BABU	1SG18ME006		
	CHETHAN H N	1SG18ME020		


 Professor & Head
 Department of Mechanical Engineering
 Sapthagiri College of Engineering
 Bengaluru - 560 057,


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

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandra, Hesarghatta Main Road, Bengaluru-560057

(Affiliated to VTU, Belagavi and approved by AICTE, New Delhi)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Project work entitled "DESIGN AND FABRICATION OF A SOLID PROPELLANT ROCKET AND WIRELESS LAUNCH PAD." carried out by **Deekshith Gowda B M (ISG18ME022)** and of 8th Semester Mechanical department in partial fulfillment for the award of degree in **Bachelor of Engineering** at **Sapthagiri College of Engineering** affiliated to **Visvesvaraya Technological University, Belagavi** for the academic year 2021-2022. It is certified that all corrections/ suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The Project report has been approved as it satisfies the academic requirements in prescribed for the said degree.

Signature of the Guide

Dr. TULSIDAS D

Professor

Signature of the HOD

Dr. P MAHADEVASWAMY

Department of Mechanical Engineering

Signature of Co-Ordinator

Mr. RAMESH N G

Assistant Professor

Signature of the Principal

Dr. H RAMAKRISHNA

Sapthagiri College of Engineering

Name of the Examiners

1. Dr. Basavaraj
2. Chitambar B.P.

Signature with Date

28/07/22

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarghatta Main Road
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

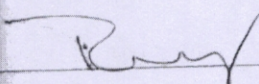
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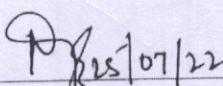
4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057




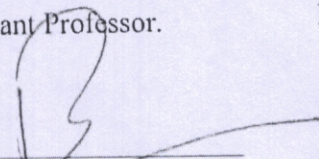
CERTIFICATE

This Certified that the project Work entitled "SMART UMBRELLA FOR CAR" carried out by CHETHAN S (1SG18ME021), HALEMBRE AMBIKA (1SG18ME029), JEEVITH ARVIND (1SG18ME038), MANJUSHREE K (1SG18ME050) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide
Dr. P MAHADEVASWAMY
Professor and HOD

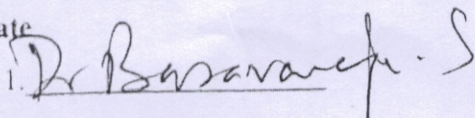
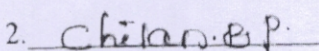

Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.


Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical
Engineering

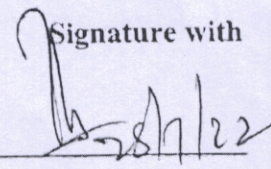
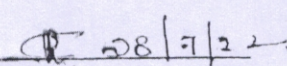

Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering


Name of the Examiners

Date

1. 
2. 

Signature with


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

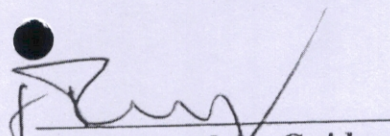
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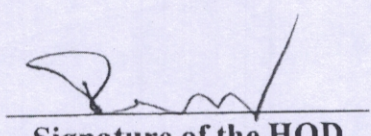
14/5 Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560057

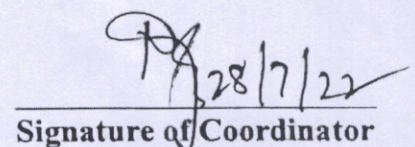


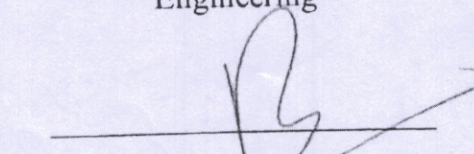
CERTIFICATE

This certified that the project work entitles "Plastic Bottle Accumulation and Management System for Eco-friendly Environment" carried out by ARUN KUMAR R (1SG18ME010), JAYANTH T (1SG18ME037), KEERTHI G (1SG18ME041) and PRIYANKA H S (1SG18ME065) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all corrections/ suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

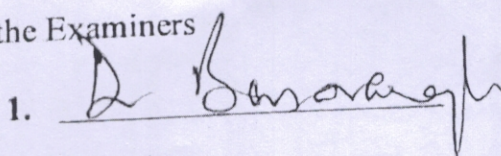
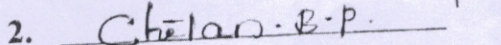

Signature of the Guide
Mr. Satish Kumar Y D
Assistant Professor


Signature of the HOD
Dr. P Mahadevaswamy
Department of Mechanical
Engineering


Signature of Coordinator
Mr. Ramesh N G
Assistant Professor

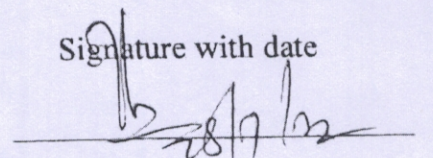

Signature of Principal
Dr. H Ramiakrishna
Sapthagiri College of Engineering

Name of the Examiners

1. 
2. 


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

Signature with date


28/7/22



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DEPARTMENT OF MECHANICAL ENGINEERING

(SBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This Certified that the project work entitled "Multipurpose vehicle using computer vision" carried out by RAHUL K R (ISG18ME067), RAJATH GOWDA H R (ISG18ME069), SANDEEP GOWDA B S (ISG18ME073), BHARATH KUMAR S R (ISG19ME402), bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Mh

Signature of the Guide
Mr. MOHAN A E
Assistant Professor

[Signature]

Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

[Signature] 20/07/2022

Signature of Co-ordinator
Mr. RAMESH N G
Assistant Professor.

[Signature]
Signature of the Principal
Dr. H RAMAKRISHNA

Sapthagiri College of Engineering

Name of the examiners

1 Dr. Ramakrishna

2 Chinnappa

Signature with date

[Signature]

[Signature]
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

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DEPARTMENT OF MECHANICAL ENGINEERING

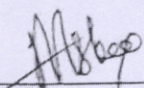
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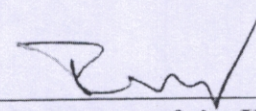
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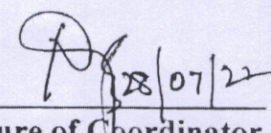


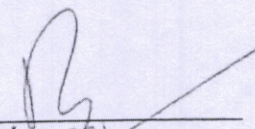
CERTIFICATE

This certified that the project work entitles "SOIL MOISTURE DETECTION BOT WITH IoT" carried out by ABHILASH C.P (1SG18ME002), DHANUSH G (1SG18ME023), LIKHITH. R (1SG18ME046), GOWTHAM N (1SG19ME408) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

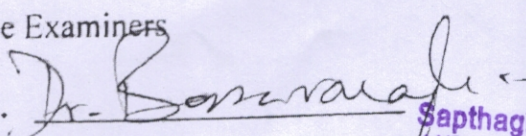

Signature of the Guide
Mr. A. M MAHESHA
Associate Professor


Signature of the HOD
Dr. P Mahadevaswamy
Department of Mechanical
Engineering

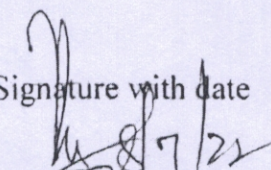

Signature of Coordinator
Mr. Ramesh N G
Assistant Professor


Principal
Signature of Principal
Dr. H. Ramakrishna
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560057

Name of the Examiners

1. 
Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560057

Signature with date


28/7/22

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

(NBA ACCREDITED)

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This Certified that the project Work entitled **"Multipurpose agriculture machine"** carried out by **AKSHAY K(1SG18ME007), HEMANTH KUMAR M(1SG18ME033), LOKENDRA N (1SG18ME047), NAVEENKUMAR K(1SG19ME415)** Bonafide students of 8th semester, **Department of Mechanical Engineering** at **Sapthagiri College of Engineering, Bangalore** in partial fulfillment of the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belagavi during the year **2021-22**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

maresh-5 26/7/22

Signature of the guide

Mr. MAHESH S
Assistant professor

P 26/7/22

Signature of co-ordinate

Mr. RAMESH N G
Assistant professor

[Signature]

Signature of HOD

Dr. P MAHADEVASWAMY
Department of Mechanical
Engineering

[Signature]

Signature of the principal

Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

Name of the Examiners

1.

Dr. Basavaraj

2.

Chetan P

Signature with Date

[Signature] 28/7/22
[Signature] 28/7/22

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

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

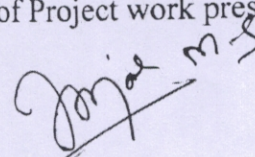
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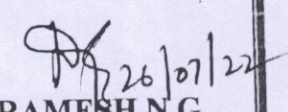


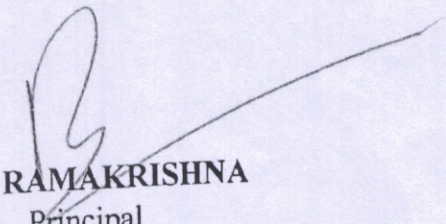
CERTIFICATE

This Certified that the project Work entitled "Retrofitting for electric vehicle of geared bike" carried out by MD SHAHID M (1SG18ME054), PUNITH GOWDA S M (1SG18ME066), SACHIN K T (1SG18ME071), SUPREETH KUMAR K (1SG18ME084) bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

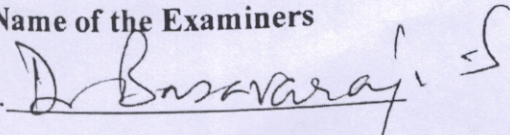

Mr. THEJAS M S
Project guide

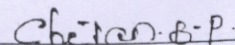

Dr. P MAHADEVASWAMY
HOD, Dept. of Mechanical Engineering


Mr. RAMESH N G
Project coordinator

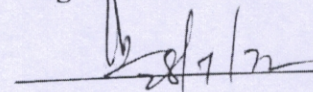

Dr. H RAMAKRISHNA
Principal

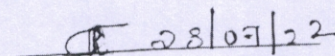
Name of the Examiners


1. 

2. 

Signature with Date


28/7/22


28/07/22


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

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DEPARTMENT OF MECHANICAL ENGINEERING

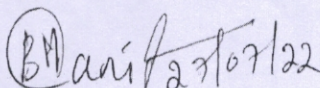
(NBA ACCREDITED)

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CERTIFICATE

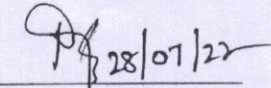
This Certified that the project Work entitled "**Battery Operated Electric Agricultural Tiller**" carried out by **SHASHIDARAN R (ISG18ME079)**, **VARUN B K (ISG18ME089)**, **VASANTH G (ISG18ME090)**, **YOGESH GOWDA K S (ISG18ME098)** Bonafide students of 8th semester, **Department of Mechanical Engineering** at **Sapthagiri College of Engineering, Bengaluru** in partial fulfillment of the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belagavi during the year **2021-22**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide

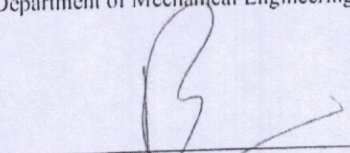
Dr. BASAVARAJ GANIGER
Assistant Professor


Signature of the HOD

Dr. P MAHADEVASWAMY
Department of Mechanical Engineering


Signature of the Project Co-ordinator

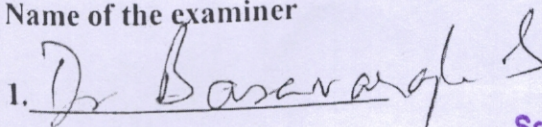
Mr. RAMESH N G
Assistant Professor

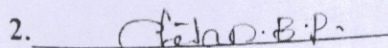

Signature of the Principal

Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

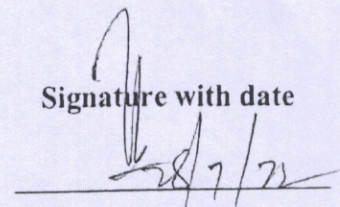
Examiner

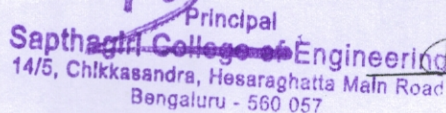
Name of the examiner

1. 

2. 

Signature with date


28/7/22


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

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

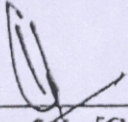
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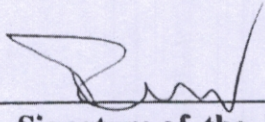
14/5 Chikkasandra, Hesaraghatta Main Road, Bengaluru- 560057

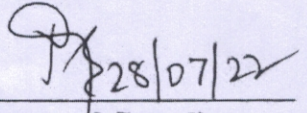


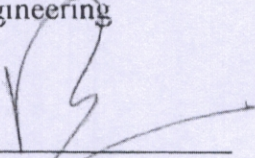
CERTIFICATE

This certified that the project work entitles "Design and Fabrication of Electric Walking Bike" carried out by **DOCTOR BABU C (1SG18ME026)**, **GNANESHA S H (1SG18ME028)**, **HEMANTH KUMAR K (1SG18ME032)** and **KISHORE K V (1SG18ME044)** bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all corrections/ suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the department library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said degree.

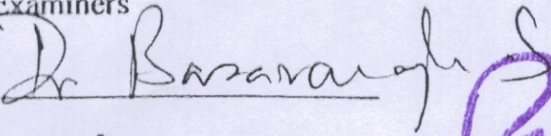

Signature of the Guide
Dr. R G Deshpande
Associate Professor

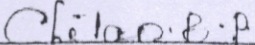

Signature of the HOD
Dr. P Mahadevaswamy
Department of Mechanical Engineering


Signature of Coordinator
Mr. Ramesh N G
Assistant Professor

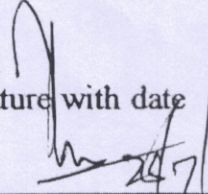

Principal
Signature of Principal
Dr. H Ramakrishna
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560057

Name of the Examiners

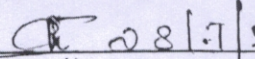
1. 

2. 

Signature with date


28/7/22

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560057


28/7/22

10

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

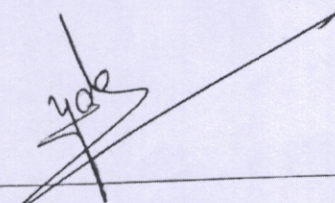
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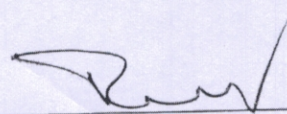
4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

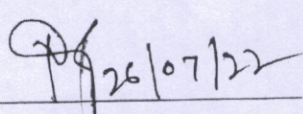


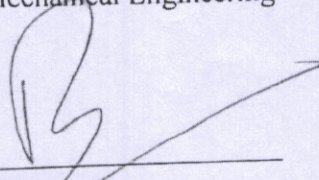
CERTIFICATE

This Certified that the project Work entitled **"DESIGN AND FABRICATION OF WHELLER"** carried out by **JAYA KUMAR M (1SG19ME410), KIRAN G (1SG19ME411), RASHANTH T P (1SG19ME420), SUPRITH M (1SG19ME427)** Bonafide students of 8th semester, **Department of Mechanical Engineering** at **Sapthagiri College of Engineering, Bengaluru** in partial fulfillment of the award of **Bachelor of Engineering in Mechanical Engineering** of the **Visvesvaraya Technological University, Belagavi** during the year **2021-22**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide
Mr. SATISH KUMAR Y D
Assistant Professor

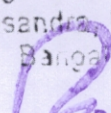

Signature of the HO D
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering


Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.

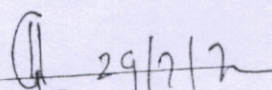

Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road
Bengaluru-560 057

Name of the Examiners

1. Dr. R. G. Deshpande
2. Pradip D. S.


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

Signature with Date


29/7/22
Pradip D. S., 29/07/22

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

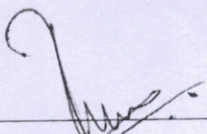
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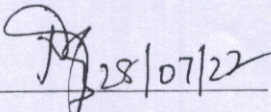
4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

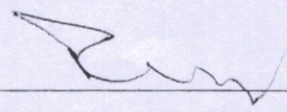


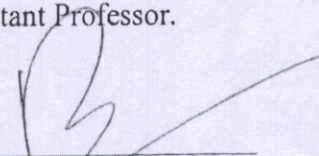
CERTIFICATE

This Certified that the project Work entitled **"A-PILLAR BLIND SPOT MONITORING"** carried out by **AMAR SINGH (1SG18ME008), ASHISH HG (1SG18ME013), BHARAT S HEGDE (1SG18ME015), M V GAGAN (1SG18ME048)** Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belagavi during the year **2021-22**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide
Dr. BASAVARAJU S
Associate Professor


Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.


Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical
Engineering

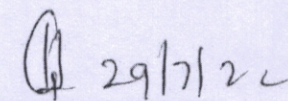
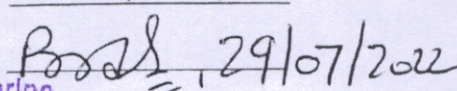

Signature of the Principal
Dr. H. RAMAKRISHNA
Sapthagiri College of Engineering


Name of the Examiners

Date

1. Dr. R. A. Deshpande
2. PRAMOD S.V

Signature with


29/7/22

29/07/2022


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main
Bengaluru - 560057

12

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

(NBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This certified that the project Work entitled "DESIGN AND FABRICATION OF PRO E-BIKE WITH SOLAR CHARGING" carried out by CHANDAN Y S (1SG19ME403), JAIRAJ H YADAV (1SG19ME409), NAGESHA V R (1SG19ME414), TEJAS J S (1SG19ME428) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bangalore in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Mr. NATARAJ H. N

Assistant Professor

Signature of the Guide

Dr. P MAHADEVASWAMY

Department of Mechanical Engg

Signature of the Project Coordinator

Mr. RAMESH N G

Assistant Professor

Signature of the principal

Dr. H RAMAKRISHNA

Sapthagiri College of Engineering

Examiner

Name of the examiner

1. Dr. R. G. Deshpande

2. PRAMOD S. V

Signature with date

29/7/22

29/07/2022

Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road,
Bengaluru - 560057

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

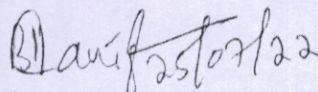
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4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

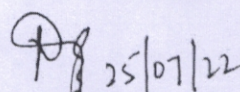



CERTIFICATE

This Certified that the project Work entitled "Fabrication of Smart Lawn Trimmer using Solar energy" carried out by PRAJWAL S (ISG18ME060), SANDESH R (ISG18ME074), SANJAYPRASAD R P (ISG18ME075), YASHWANTH B G (ISG18ME096) bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Dr. BASAVARAJ GANIGER
Project guide


Dr. P MAHADEVASWAMY
HOD, Dept. of Mechanical Engineering


Mr. RAMESH N G
Project coordinator

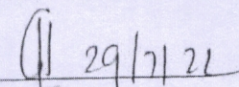

Dr. H RAMAKRISHNA
Principal

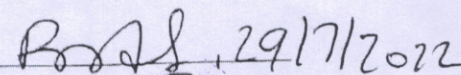
Name of the Examiners


1. Dr. R. G. Deshpande

2. PRAMOD S. V

Signature with Date


29/7/22


29/7/2022


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

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

(NBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This Certified that the project work entitled "Automatic bike stand system" carried out by MONEETH KUMAR B (1SG19ME413), PRAVEEN C (1SG19ME421), ROHITH A N (1SG19ME423), THYAGARAJU B M (1SG19ME432), bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Mr. MOHAN A E
Assistant Professor

Signature of the HOD

Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

Signature of Co-ordinator

Mr. RAMESH N G
Assistant Professor.

Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

Name of the examiner

1. Dr. R. G. Deshpande

DR. R. G. DESHPANDE

Signature with date

Sapthagiri College of Engineering
4/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

29/7/22

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DEPARTMENT OF MECHANICAL ENGINEERING

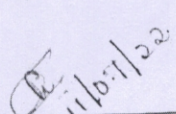
(NBA ACCREDITED)


14/5, Chikkasandra, Hesarghatta Main Road, Bengaluru-560057

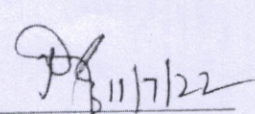


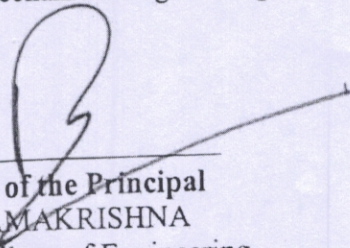
CERTIFICATE

This Certified that the project Work entitled **"Solar Powered Electric Bicycle"** carried out by **ROHIT SAVADATTI (1SG18ME070)**, **SUDEEP S (1SG18ME081)**, **UDAYKUMAR (1SG18ME088)**, **VINAYAK V HARLAPUR (1SG18ME091)** Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide
Mr. CHETHAN B P
Assistant Professor


Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

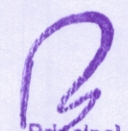

Signature of the
Project Co-ordinator
Mr. RAMESH N G
Assistant Professor


Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

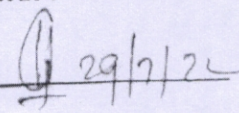
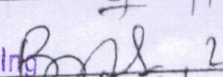
Name of the examiner

1. Dr. R. G. Deshpande
2. PRAMOD S. V

Examiner


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesarghatta Main Road
Bengaluru-560057

Signature with date

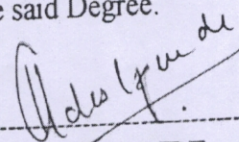

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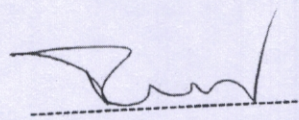
DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Hesaragatta, Main Road, Chikkasandara, Bengaluru-560057

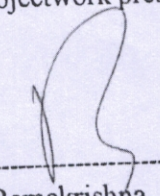


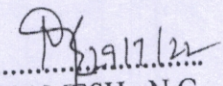
CERTIFICATE

Certified that the project work entitled "ANTI RIOT SHIELD WITH PEPPER SPRAY AND BLINDING LED." carried out by P.K.SASIDHAR (1SG17ME054), PRAJWAL.R (1SG17ME058), ASHA.N (1SG18ME012), THILAK RAJU.V (1SG19ME431) bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-2022. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Projectwork prescribed for the said Degree.


Dr. R.G. DESHPANDE
Signature of the Guide


Dr. Mahadevaswamy P
Signature of the HOD


Dr. H. Ramakrishna
Signature of the Principal

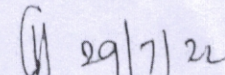

Mr. RAMESH N.G
Signature of co-ordinator

Reviewer

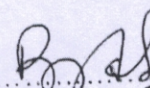
Name of the Reviewer

Signature with date

1. Dr. R.G. Deshpande


29/7/22

2. PRAMOD S.V


29/7/22



CERTIFICATE

Certified that the project work entitled "Design and Fabrication of the Path follower robot." carried out by MANJESH.K (1SG18ME049), PAVANK.R (1SG18ME057), MANOJ.N (1SG18ME053), SATYARAJ S (1SG18ME076) bonafide students of 8 th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Mr. Anil Kumar P R

Assistant Professor

Signature of the guide

Dr. Mahadevaswamy P

Department of Mechanical Engineering

Signature of the HOD

Dr. H. Ramakrishna

Sapthagiri college of Engineering

Signature of the Principal

29/7/22
Mr. RAMESH N G
Assistant Professor
Signature of Co-ordinator

Reviewer

Name of the Reviewer

Dr. R. G. Deshpande

PRAMOD S.V

Signature with date

29/07/2022

29/07/22

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

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DEPARTMENT OF MECHANICAL ENGINEERING

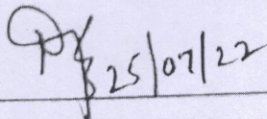
(NBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

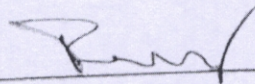


CERTIFICATE

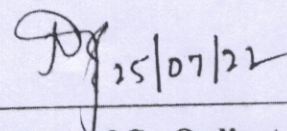
This Certified that the project Work entitled "**Mechanical Properties Characterization Of Graphene Reinforced Epoxy Polymer Nano Composite**" carried out by PRASHANTH B S (1SG18ME061), PRASHANTH P (1SG18ME062), PRATHAP N (1SG18ME063), PRITHVI K (1SG18ME064) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


25/07/22

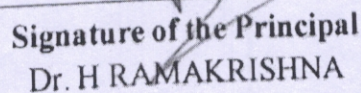
Signature of the Guide
Mr. RAMESH N G
Assistant Professor



Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering


25/07/22


Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.



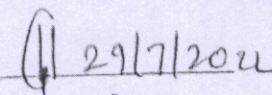
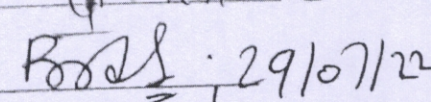
Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

Name of the Examiners

1. Dr. R. A. Peshende
2. PRAMOD S.V.


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

Signature with Date


29/7/2022

29/07/22

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

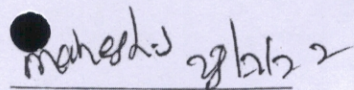
(NBA ACCREDITED)

14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



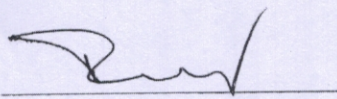
CERTIFICATE

This Certified that the project Work entitled "**Underwater Remotely Operated Vehicle**" carried out by **SUSHANTH B G (1SG17ME089)**, **DHRUVA NARAYAN S (1SG18ME024)**, **DIVAKAR M J (1SG18ME025)**, **KIRAN BADAMI (1SG18ME042)** Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belagavi during the year **2021-22**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.



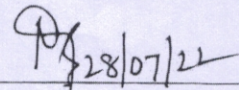
Signature of the Guide

Mr. Mahesh S
Assistant Professor



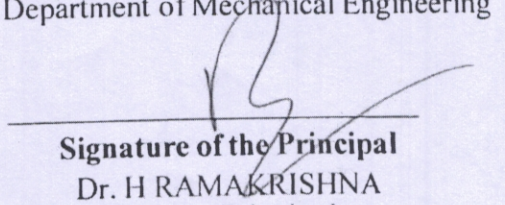
Signature of the HOD

Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

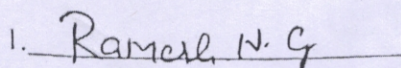


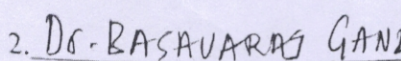
Signature of Co-Ordinator


Mr. RAMESH N G
Assistant Professor

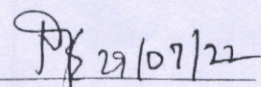

Signature of the Principal
Dr. H RAMAKRISHNA
Principal
Sapthagiri College of Engineering
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

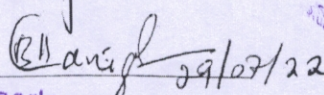
Name of the Examiners

1. 

2. 


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







SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

(NBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This certified that the project Work entitled "DESIGN AND FABRICATION OF PRO E-BIKE" carried out by ASHA M (1SG18ME011), CHETHAN V (1SG19ME0404), GOUTHAM K (1SG19ME407), PRAJWAL S P (1SG19ME419) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bangalore in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide

Mr. NATARAJ H. N

Assistant Professor

Signature of the HOD

Dr. P MAHADEVASWAMY

Department of Mechanical Engg

Signature of the Project Coordinator

Mr. RAMESH N G

Assistant Professor

Signature of the principal

Dr. H RAMAKRISHNA

Sapthagiri College of Engineering

Examiner

Name of the examiner

1. Ramesh. N. G

2. Dr. BASAVARAJ GANIGER

Principal

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

Signature with date

..... 29/7/22
... 29/7/22

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DEPARTMENT OF MECHANICAL ENGINEERING

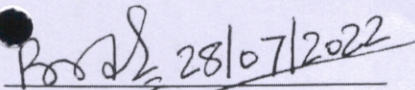
(NBA ACCREDITED)

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CERTIFICATE

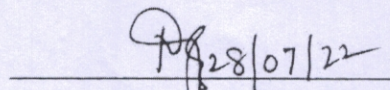
This Certified that the project Work entitled "**VIVACE(Vortex Induced Vibration Aquatic Clean Energy)**A new concept in generation of clean and renewable energy from fluid flow " carried out by **ADARSH KUMAR P V (ISG18ME004), AMIT A PATIL (ISG18ME009), MANOJ KUMAR K N (ISG18ME051), TEJAS .P (ISG18ME087)** Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belagavi during the year **2021-22**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


28/07/2022

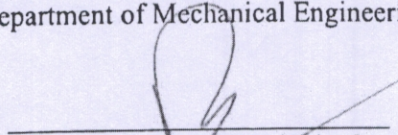
Signature of the Guide
Mr. PRAMOD S V
Assistant Professor



Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering


28/07/22

Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.



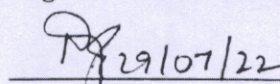
Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

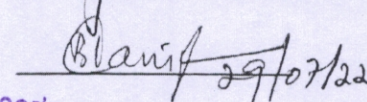
Name of the Examiners

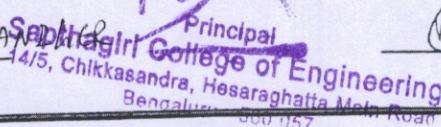
1. Ramesh. N.G

2. Dr. BASAVARAJ GANDHI

Signature with Date


29/07/22


29/07/22


Principal
Sapthagiri College of Engineering
4/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru-560057

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

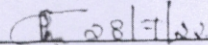
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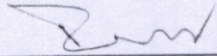
14/5, Chikkasandra, Hesarghatta Main Road, Bengaluru-560057

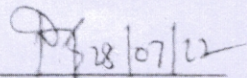


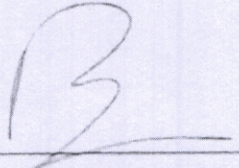
CERTIFICATE

This Certified that the project Work entitled "**Fire Extinguishing Bot Using Sound-Wave**" carried out by RAHUL MISHRA (ISG18ME068), SHANTHANU H M (ISG18ME077), VISHWAJEETH S PATTAR (ISG18ME094), VIVEK S (ISG18ME095) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide
Mr. CHETHAN B P
Assistant Professor


Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering


Signature of the
Project Co-ordinator
Mr. RAMESH N G
Assistant Professor



Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

Examiner

Name of the examiner

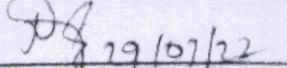
1. Dr. BASAVARAJ ANANDHAR

2. Ramesh. N.G


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

Signature with date


29/07/22


29/07/22

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DEPARTMENT OF MECHANICAL ENGINEERING

(NSR ACCREDITED)

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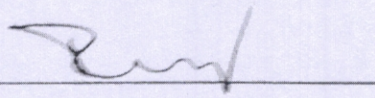


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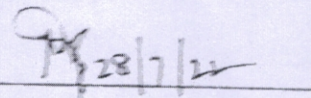
This Certified that the project Work entitled "Fabrication and Characterization of Nano graphene, Nano silicon and Reinforced epoxy composites" carried out by MANOJ M(15G18ME052), SANATH S T (15G18ME072), SURAJ J (15G18ME085), SUSHIL KUMAR SHAH (15G18ME086) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfilment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.



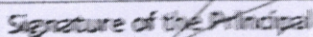
Signature of the Guide
Mr. ANIL KUMAR P P
Assistant Professor



Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

 28/7/22

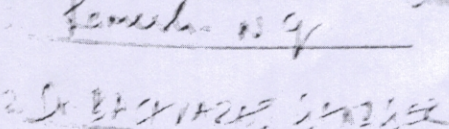
Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.



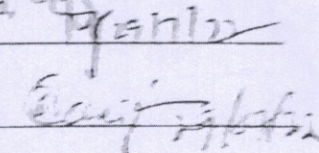
Signature of the Principal
Dr. H RAMAKRISHNIA

Sapthagiri College of Engineering
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru-560057

Name of the Examiners


2. Dr. BASAVARAJ S. S. S. S.

Signature with Date

 28/7/22



Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560057

24

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

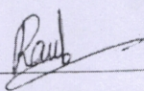
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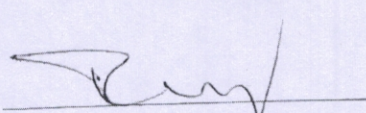
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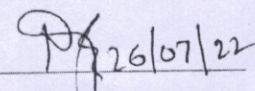


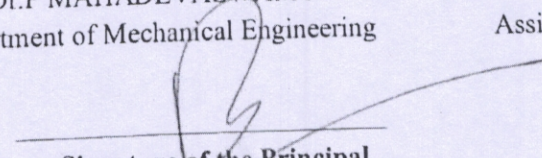
CERTIFICATE

This Certified that the project Work entitled "FABRICATION AND ANALYSIS OF NOVEL ROCKET STOVE FOR RURAL COOKING APPLICATIONS" carried out by ABHISHEK N (1SG18ME003), HEMANTH B V (1SG18ME030), HEMANTH GOWDA V (1SG18ME031), HEMANTH KUMAR R K (1SG18ME034) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work


Signature of the Guide
Mr. RAM KUMAR M
Assistant Professor

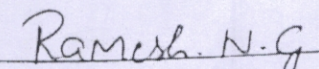

Signature of the HOD
Dr. P. MAHADEVASWAMY
Department of Mechanical Engineering

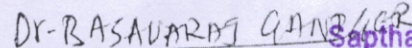

Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.



Signature of the Principal
Dr. H. RAMAKRISHNA
Sapthagiri College of Engineering

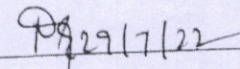
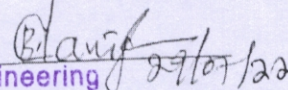
Name of the Examiners

Signature with Date

1.  Ramesh. N. G.

2.  Dr. BASAVARAJ GANekar


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

 29/7/22
 29/7/22

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

(NBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This Certified that the project Work entitled "MOTORIZED SCISSOR JACK" carried out by DEEKSHITH K N (ISG19ME405), GAGAN G (ISG19ME406), PAVAN KUMAR B (ISG19ME417), PRADEEP R (ISG19ME418) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Mh

Signature of the Guide
Mr. MOHAN A E
Assistant Professor

[Signature]

Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical
Engineering

Pg 25/07/22

Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor

Signature of the principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

EXAMINERS

Name of the Examiners

1. Ramesh N.G.
2. Dr. Basavaraj Ganiger

[Signature]
Principal

Sapthagiri College of Engineering
4/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057

Signature with Date

Pg 29/07/22
Bl anig 29/09/22

26

SAPTHAGIRI COLLEGE OF ENGINEERING

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DEPARTMENT OF MECHANICAL ENGINEERING

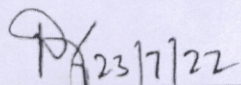
(NBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057




CERTIFICATE

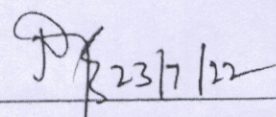
This Certified that the project Work entitled **"Design of Machine Elements Numerical Solutions Using Python"** carried out by **Kiran Kumar P (1SG18ME043), Sharath Jain (1SG18ME078), Amrutha Darshini (1SG19ME400), Sanjay J P (1SG19ME425)** Bonafide students of 8th semester, **Department of Mechanical Engineering** at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belagavi during the year **2021-22**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

 23/7/22

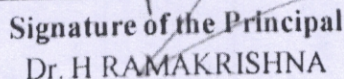
Signature of the Guide
Mr. RAMESH N G
Assistant Professor



Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

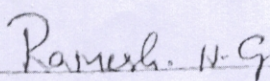
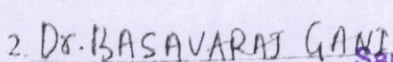
 23/7/22

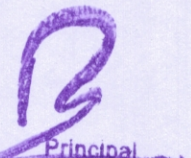
Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.



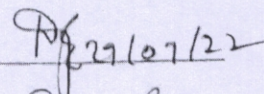
Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

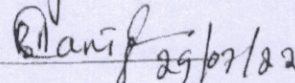
Name of the Examiners

1.  Ramesh. N. G.
2.  Dr. BASAVARAJ GANTEK


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

Signature with Date

 23/07/22

 29/07/22

SAPTHAGIRI COLLEGE OF ENGINEERING

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

(Accredited by NAAC with "A" Grade & ISO 9001:2015 & ISO 14001:2015 Certified)

DEPARTMENT OF MECHANICAL ENGINEERING

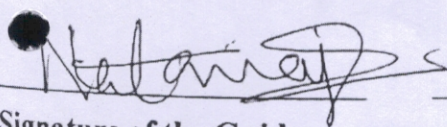
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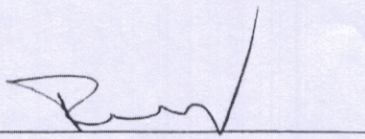


CERTIFICATE

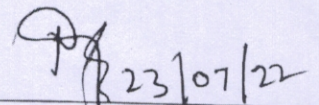
This Certified that the project Work entitled "GEARLESS MAGLEV WIND MILL POWER GENERATION" carried out by VILAS RAJ Y (1SG18ME439), PARTHESH S (1SG16ME062), CHATURTH E (1SG17ME014), Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.



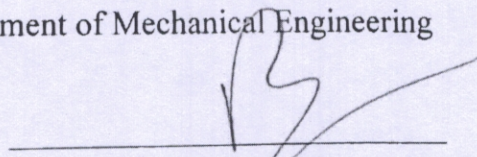
Signature of the Guide
Mr. NATARAJ H N
Assistant Professor



Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

 23/07/22

Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.




Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

Name of the Examiners

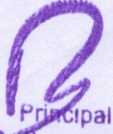
1. Dr. R. G. Periyasami

2. Mohan AE

Signature with Date

 28/7/22

Mb 28/7/22


Principal
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Bengaluru - 560 057

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DEPARTMENT OF MECHANICAL ENGINEERING

(NBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This Certified that the project Work entitled "**DESIGN AND FABRICATION OF PNEUMATIC BUMPER AND INTELLIGENT BRAKING SYSYTEM**" carried out by **MALLIKARJUNA PATIL G(1SG16ME050), SRIKANTH.S (1SG17ME083), ASHIK K.H (1SG17ME104), SURYA SHUBHAM (1SG14ME350)** Bonafide students of 8th semester, **Department of Mechanical Engineering** at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of **Bachelor of Engineering in Mechanical Engineering** of the Visvesvaraya Technological University, Belagavi during the year **2021-22**. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work

Signature of the Guide

Mr. THEJAS M.S
Assistant Professor

Signature of the HOD

Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

Signature of Co-Ordinator

Mr. RAMESH N G
Assistant Professor.

Signature of the Principal

Dr. H RAMAKRISHNA
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

Name of the Examiners

1. Dr. R. G. Deshpande
2. Mohan AE

Signature with Date

28/7/22

28/7/22

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DEPARTMENT OF MECHANICAL ENGINEERING

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14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This Certified that the project Work "MULTI AXIS SOLAR TRACKER WITH AUTOMATED IRRIGATION" carried out by Likith G T (ISG18ME420), Shashank B (ISG18ME433), Tilak Tukaram Jadhav (ISG18ME436) Bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

Signature of the Guide
Mr. RAMKUMAR M
Assistant Professor

Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering

Signature of Co-Ordinator
Mr. RAMESH N G
Assistant Professor.

Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

Name of the Examiners

1. Dr. R.G. Deshpande
2. Mohan AE

Signature with Date

28/7/22

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

28/7/22

30

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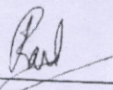
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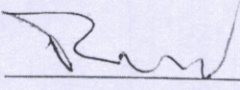
4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057

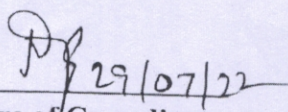


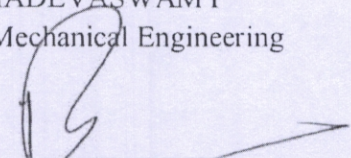
CERTIFICATE

This Certified that the project work entitled "Performance of battery for a vehicle by using Bio-Enzyme" carried out by SANJAY L (1SG19ME426), TEJAS L (1SG19ME429), bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.


Signature of the Guide
Mr. RAM KUMAR M
Assistant Professor


Signature of the HOD
Dr. P MAHADEVASWAMY
Department of Mechanical Engineering


Signature of Co-ordinator
Mr. RAMESH N G
Assistant Professor.


Signature of the Principal
Dr. H RAMAKRISHNA
Sapthagiri College of Engineering

Name of the examiner

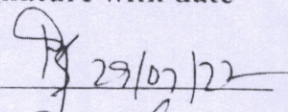
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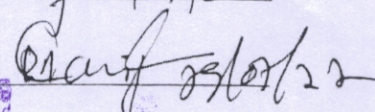
1 Ramesh N.G

2 Dr. BASAVARAJ GANDHER

Principal

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


29/07/22


29/07/22

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DEPARTMENT OF MECHANICAL ENGINEERING

(NBA ACCREDITED)

4/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-560057



CERTIFICATE

This Certified that the project Work entitled **"MECHANICAL PROPERTIES CHARECTERIZATION OF GLASS FIBER & GRAPHENE REINFORCED EPOXY POLYMER"** carried out by AKHIL BABU (1SG18ME006), CHETHAN.H N (1SG18ME020), NITHESH S (1SG19ME416), TEJASWI N K (1SG19ME430) bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bengaluru in partial fulfillment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2021-22. It is certified that all corrections/suggestions indicated for Internal Assessment have been incorporated in the Report deposited in the departmental library. The project report has been approved as it satisfies the academic requirements in respect of Project work prescribed for the said Degree.

[Signature]

Signature of the Guide

Dr.BASAVARAJ
GANIGER
AssistantProfessor

[Signature]

Signature of the HOD

Dr.PMAHADEVASWAMY
Department of Mechanical Engineering

[Signature]

Signature of Co-Ordinator

Mr. RAMESH N G
Assistant Professor.

[Signature]

Signature of the Principal
Dr.H RAMAKRISHNA
Sapthagiri College of Engineering

Name of the Examiners

Dr.R.a.Deshpande

Signature with Date

[Signature] 28/7/22

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

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