

2018-19

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Chikkasandara, Hesaraghatta Main Road, Bengaluru-57

DEPARTMENT OF MECHANICAL ENGINEERING




CERTIFICATE

Certified that the Project work entitled **"FABRICATION OF SOLAR/ELECTRICALLY DRIVEN VENDOR'S CART"** carried out by KUMAR P G (1SG15ME046), SHASHANK H PRASAD (1SG15ME091), SYED ABEED (1SG15ME099), SRIDHAR A S (1SG16ME440) of 8th Semester Mechanical department in partial fulfilment for the award of degree in Bachelor of Engineering at Sapthagiri College of Engineering affiliated to Visvesvaraya Technological University, Belagavi for the academic year 2018-2019. 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. P MAHADEVASWAMY

Professor and Head


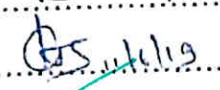

Signature of the HOD

Dr. P MAHADEVASWAMY

Professor and Head


Signature of the Principal
Dr. K.L SHIVABASAPPA

External Viva:

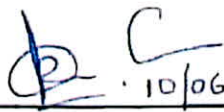


	Name of the Examiners	Signature with Date
1	Dr. Mahadevaswamy P	 11/6/19
2	Dr. Kiran T. S	 11/6/19

Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057



CERTIFICATE

Certified that the project work entitled **"Fabrication of Cattle Food Making Machine By Using Fruit and Vegetable Waste"** carried out by **Ravishankar G (ISG15ME078)**, **Sadananda Laxminarayan Hegde (ISG15ME081)**, **Shubham Majhi (ISG15ME092)**, **Keshavaprashanth S (ISG16ME411)** 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 2018-19. 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.

 10/06/19	 10/6/19	 10/6
Mr. Ramesh N G	Dr. P Mahadevaswamy	Dr. K L Shivabasappa
Signature of the Guide	Signature of the HOD	Signature of the Principal

Reviewer

Name of the Reviewer

Signature with date

1. Dr. Mahadevaswamy

 11/6/19

2. Dr. Kiran T S

 11/6/19

Principal

SAPTHAGIRI COLLEGE OF ENGINEERING

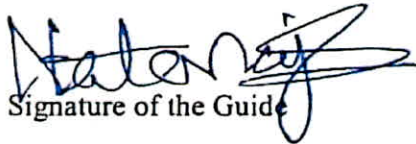
14/5, Chikkasandara, Hesaraghatta Main Road, Bengaluru-57

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the Project work entitled "**DESIGN&FABRICATION OF PNEUMATIC HACKSAW CUTTING MACHINE**" carried out by AKSHAY S R(1SG16ME400), HEMANTH KUMAR T(1SG16ME408), MADHU D B(1SG16ME413), RAJESHA K H(1SG16ME431) of 8th Semester Mechanical department in partial fulfilment for the award of degree in Bachelor of Engineering at Sapthagiri College of Engineering affiliated to Visvesvaraya Technological University, Belagavi for the academic year 2018-2019. It is certified that all corrections/ suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The seminar report has been approved as it satisfies the academic requirements in prescribed for the said degree.


Signature of the Guide

Mr. NATARAJ H N

Assistant Professor


Signature of the HOD

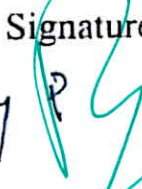
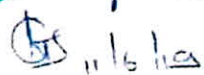
Dr. P MAHADEVASWAMY

Professor and HOD


Signature of the Principal

Dr. K.L SHIVABASAPPA

External Viva:

Name of the Examiners	Signature with Date
1 Dr. Mahadevaswamy P	 11/6/19
2 Dr. Kiran T. S	 11/6/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bengaluru-560 057

DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Hesaragatta, Main Road, Chikkasandara, Bengaluru-560057

2018-2019



CERTIFICATE

Certified that the project work entitled **"FABRICATION OF COCONUT SCRAPING MACHINE"** carried out by **DARSHAN V V (ISG16ME405), HEMANTH L (ISG16ME409), PUNITH A N (ISG16ME429), SANDEEP R P (ISG16ME430)**, bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bangalore in partial fulfilment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2018-19. 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. Madhu Kumar Y C

Signature of the Guide



Dr. P Mahadevaswamy

Signature of the HOD



Dr. K L Shivabasappa

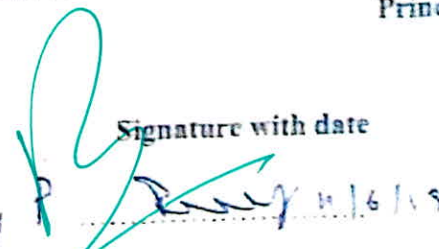
Signature of the Principal

Reviewer


Name of the Reviewer

Signature with date

1. Dr. Mahadevaswamy



2. Dr. K L Shivabasappa



Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaragatta Road,

Bangalore-560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

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

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "**Fabrication of Spot Welding Machine.**" carried out by Jai krishna J (ISG16ME410), Mahesh G K (ISG16ME415), Manjunath B G (ISG16ME418), Manoj kumar J (ISG16ME420) 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 2018-19. 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.

AR 7/6/19
Mr. Arun kumar R

Signature of the Guide

Dr. P Mahadevaswamy 07/6/19

Signature of the HOD

Dr. K L Shivabasappa

Signature of the Principal

Examiner
Name of the Reviewer

Signature with date

1. Dr. Mahadevaswamy

2. Dr. Kiran T. S.

Dr. K L Shivabasappa 11/6/19

Dr. K L Shivabasappa

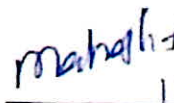
Principal

Sapthagiri College of Engineering
Chikkasandara, Hesaraghatta Road,
Bangalore-560057



CERTIFICATE

Certified that the project work entitled "Design & Fabrication of Automated portable hammering machine." carried out by Rakshith K L (ISG16ME433), Mustafa P K (ISG16ME422), Manjunath A nilugal (ISG16ME417), Rajath G moodithaya (ISG15ME074) 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 2018-19. 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.


11/06/19


Mr. Mahesh.S

Signature of the Guide


11/06/19

Dr. P Mahadevaswamy

Signature of the HOD


11/06

Dr. K L Shivabasappa

Signature of the Principal

Examiner

Name of the Examiner

Signature with date

1. Dr. Mahadevaswamy


11/06/19

2. Dr. Kiran T.S


11/06/19

Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Hesaragatta, Main Road, Chikkasandara, Bengaluru-560057

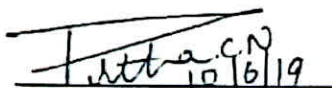
(Affiliated to Visvesvaraya Technological University, Belagavi,
Karnataka)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "Fabrication of Floor Cleaning Machine" carried out by **AMITH R (1SG15ME010)**, **CHETHAN I P (1SG15ME020)**, **DHANRAJ M (1SG15ME025)**, **DILIP M (1SG15ME028)**, 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 2018-19. 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.


10/6/19

Ms. PRATHIMA C N
Signature of the Guide



Dr. P MAHADEVASWAMY
Signature of the HOD


10/6


Dr. K L SHIVABASAPPA
Signature of the Principal

Reviewer

Name of the Reviewer

Signature with date

1. Dr. Mahadevaswamy P


12/6/19

2. Dr. Kiran T. S


12/6/19

Principal

Sapthagiri College of Engineering

Chikkasandra, Hesaragatta Road,

Bengaluru, 56

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Hesaragatta, Main Road, Chikkasandara, Bengaluru-560057

(Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka)

DEPARTMENT OF MECHANICAL ENGINEERING

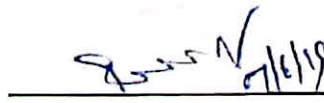


CERTIFICATE

Certified that the project work entitled "Design and Fabrication of Remote Controlled Solar Lawn Mower" carried out by AKSHAY S (ISG15ME008), DHANANJAYA V (ISG15ME024), GALVIN IGNATIUS MENEZES (ISG15ME033), 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 2018-19. 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.


7/6/19

Mr. ANILKUMAR P R
Signature of the Guide


7/6/19

Dr. P MAHADEVASWAMY
Signature of the HOD


7/6/19

Dr. K L SHIVABASAPPA
Signature of the Principal

Reviewer

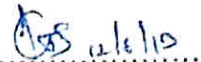
Name of the Reviewer

Signature with date

1. Dr. Mahadevaswamy

 12/6/19

2. Dr. Kiran T. S.

 12/6/19

Principal


Sapthagiri College of Engineering
Chikkasandara, Hesaraghatta Road
Bangalore-560 057



CERTIFICATE

Certified that the project work entitled "Fabrication of Agro-Based Solar Vehicle," carried out by Chandruchud S (ISG14ME025), Dineshkumar K (ISG15ME030), Divya C N (ISG15ME031), John Patrick G (ISG15ME043) 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 2018-19. 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.


Prof. Hemanth Kumar H R


Dr. P Mahadevaswamy


Dr. K L Shivabasappa

Signature of the Guide

Signature of the HOD

Signature of the Principal

External Examiner

Name

Signature with date

1. Dr. Mahadevaswamy P

2. Dr. Kiran T S

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Mechanical Engineering



CERTIFICATE

Certified that the Project Work entitled **"EVALUATION OF BIOFUEL BLENDED WITH PREPARED ETHANOL, N-BUTANOL AND PETROL BASED AND POLLUTION LEVEL TESTS ON AN SI ENGINE"** carried out by **AJEYA V (ISG15ME006), ANIRUDH R K (ISG15ME012), DAYANANDA M (ISG15ME021) and MADAN KUMAR L (ISG15ME052)** bonafide students of Sapthagiri College of Engineering, in partial fulfilment for the award of **Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological University, Belagavi** during the academic year 2018-2019. 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 Phase II (15ME85)** prescribed for the said degree.


Signature of the Guide

Prof. P Raghuthama Rao
Associate Professor


Signature of the HOD

Dr. P Mahadevaswamy
Professor and Head


Signature of the Principal

Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

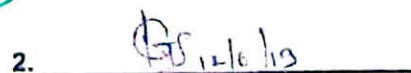
Name of the Examiners

1. Dr. Mahadevaswamy P

2. Dr. Kiran T-S

Signature with Date

1.  12/6/19

2.  12/6/19


Principal


Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057




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

CERTIFICATE


Certified that the project work entitled "Design and Fabrication of Hydro wheel pump" carried out by Darshan M E (ISG16ME404), Halaswamy C M (ISG16ME407), Sharath C G (ISG16ME437), Yashavanth A S (ISG16ME444) 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 academic year 2018-19. 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.


10/06/2019
Mr. Pramod S V

Signature of the Guide


10/6/19
Dr. P Mahadevaswamy

Signature of the HOD


10/6
Dr. K L Shivabasappa


Signature of the Principal

External viva:-

Name of the Examiners

Signature with date

1. Dr. Mahadevaswamy P


10/6/19

2. Dr. Kiran T S


10/6/19

Principal

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

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Hesaragatta, Main Road, Chikkasandara, Bengaluru-560057

(Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka)

DEPARTMENT OF MECHANICAL ENGINEERING

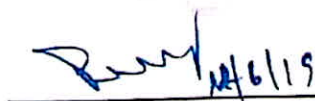


CERTIFICATE

Certified that the project work entitled "**Design and Fabrication of Switchable Steering Mechanism**" carried out by NAGARJUN S TAKKALAKI (ISG15ME058), NAGARJUN M (ISG15ME059), NISCHITH A G (ISG15ME060), RAHUL V (ISG15ME73) 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 2018-19. 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.



12/06/19

Mr. SIVA MURALI
MOHAN REDDY A
Signature of the Guide


14/6/19

Dr. P MAHADEVASWAMY

Signature of the HOD


12/6

Dr. K L SHIVABASAPPA

Signature of the Principal

Reviewer

Name of the Reviewer

Signature with date

1. Dr. K. M. Kameswari Reddy  14/6/19
2. Dr. R. G. Duhpundi  14/6/19

Principal

Sapthagiri College of Engineering

Chikkasandara, Hesaraghatta Road,
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

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

Department of Mechanical Engineering



Certificate

Certified that the Project Work entitled **"FABRICATION OF AUTOMATED SOLAR POWERED WHEEL CHAIR"** carried out by **ARJUN S (ISG15ME013)**, **BHARATH V (ISG15ME017)**, **MITHUN RAGHUNANDAN (ISG15ME055)** and **RAHUL N DIXIT (ISG15ME072)** bonafide students of Sapthagiri College of Engineering, in partial fulfilment for the award of Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2018-2019. 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 Phase II (15ME85) prescribed for the said degree.

Signature of the Guide

Prof. Basavaraj Ganiger
Asst. Professor

Signature of the HOD

Dr. P Mahadevaswamy
Professor and Head

Signature of the Principal

Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. K. M. Kanchi Reddy

2. Dr. R. G. Dashpende

Signature with Date

Dr. K. M. Kanchi Reddy 14/4/19

Dr. R. G. Dashpende 14/4/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

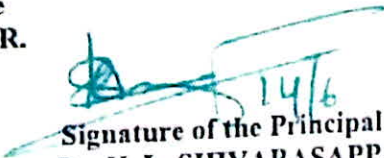
14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru-57


Department of Mechanical Engineering



Certified that the seminar work entitled "**DESIGN AND FABRICATION OF SAND FILTER AND SEPERATOR**" carried out by AFTAB AHMED MADAR WALA (1SG15ME004), ASHISH SHARMA (1SG15ME014), GYANENDRA KUMAR GUPTA (1SG15ME034), KISHAN SHARMA (1SG15ME044) of 8th Semester Mechanical department in partial fulfilment for the award of degree in Bachelor of Engineering at Sapthagiri College of Engineering affiliated to Visvesvaraya Technological University, Belagavi for the academic year 2018-2019. It is certified that all corrections/ suggestions indicated for internal assessment have been incorporated in the report deposited in the department library. The seminar report has been approved as it satisfies the academic requirements in prescribed for the said degree.


Signature of the Guide
Prof. JAGANNATH G.R.
Associate Professor


Signature of the Principal
Dr. K. L. SHIVABASAPPA

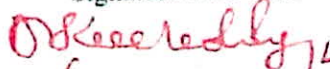
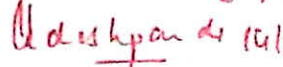

Signature of the HOD
Dr. P. MAHADEVASWAMY
Professor and HOD

External Viva

Name of the Examiner

1. DY. K. M. KENCHIREDDY
2. Dr. R. G. Deshpande

Signature with Date


14/6/19

14/6/19


Principal
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore-560 057

SAPTHAGIRI COLLEGE OF ENGINEERING

14/5, Hesaragatta, Main Road, Chikkasandara, Bengaluru-560057
(Affiliated to Visvesvaraya Technological University, Belagavi, Karnataka)

DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled "**DESIGN AND FABRICATION OF GARDENING EDGE TRIMMER**" carried out by **NAGARAJ V BHAT (ISG16ME423), NIVEDITHA SHREE N (ISG16ME424), SHRAVANI S (ISG16ME438), VIJAY M R (ISG16ME442)** 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 2018-19. 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

Mr. CHETAN B P

Assistant Professor

Signature of the HOD

Dr. P MAHADEVASWAMY

Professor and HOD

Signature of the Principal

Dr. K L SHIVABASAPPA

External Viva

Name of the Examiners

Dr. MH Anniah SCE B'lore

Dr. K. M. Kenchi Reddy Principal

Signature with Date

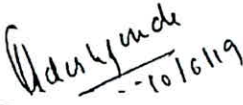
Dr. K. M. Kenchi Reddy 15/06/19


Dr. K. M. Kenchi Reddy 15/06/19

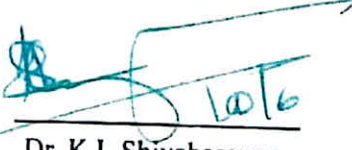


CERTIFICATE

Certified that the project work entitled "**POWER GENERATION USING PNEUMATIC MECHANISM AT SPEED BUMPER.**" carried out by Ayan Guha Roy (1SG15ME015), Himanshu (1SG15ME038), Kumar Rohan (1SG15ME047), Md. Rehan Nasim (1SG15ME054) 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 2018-19. 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. R.G. Deshpande.


Dr. P Mahadevaswamy


Dr. K L Shivabasappa

Signature of the Guide

Signature of the HOD

Signature of the Principal

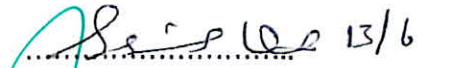

Reviewer

Name of the Reviewer

Signature with date

1.  R-G.

2. Dr. R.G. Deshpande

 13/6
 13/6/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

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



CERTIFICATE

Certified that the project work entitled “Design and fabrication of Hybrid road cleaning machine.” carried out by Ajith S P (1SG15ME007), Anil Kumar C (1SG15ME011), Dharshan M J (1SG15ME026), Likith P S (1SG15ME050) 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 2018-19. 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. Basavaraj Ganiger

Signature of the Guide

Dr. P Mahadevaswamy

Signature of the HOD

Dr. K L Shivabasappa

Signature of the Principal

Reviewer

Name of the Reviewer

Signature with date

1. Swarnalatha K S.....

2. Dr. R. G. Deshpande.....

Principal

Sapthagiri College of Engineering
Chikkasandara, Hesaraghatta Road,
Bangalore- 560 057

SAPTHAGIRI COLLEGE OF ENGINEERING


14/5, Chikkasandra, Hesaraghatta Main Road, Bengaluru – 560057.

Department of Mechanical Engineering



Certificate

Certified that the Project Work entitled "**DESIGN AND FABRICATION OF ADJUSTABLE PESTICIDE SPRAYER**" carried out by **DEEPU H S (ISG15ME022)**, **DEVARAJ HIEMATH (ISG15ME023)**, **JANARDHAN K N (ISG15ME042)** and **DHANUSH N (ISG15ME057)** bonafide students of Sapthagiri College of Engineering, in partial fulfillment for the award of Bachelor of Engineering in Mechanical Engineering of Visvesvaraya Technological University, Belagavi during the academic year 2018-2019. 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 Phase II (15ME85) prescribed for the said degree.


Signature of the Guide

Prof. Prathima C N
Asst. Professor


Signature of the HOD

Dr. P Mahadevaswamy
Professor and Head


Signature of the Principal

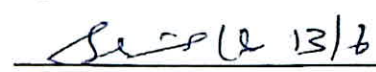
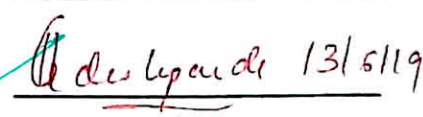
Dr. K L Shivabasappa
Principal

EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr. R. G. Deshpande
2. Dr. R. G. Deshpande

Signature with Date



13/5/19

Principal

Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING

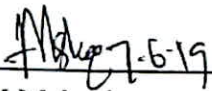


14/5, Hesaragatta, Main Road, Chikkasandara, Bengaluru-560057

2018-2019



CERTIFICATE


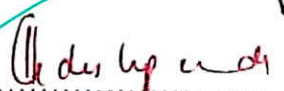
Certified that the project work entitled "**MODIFICATION OF HONDA ACTIVA TO RUN AS HYBRID VEHICLE.**" carried out by SAI SOMASEKHAR K (1SG15ME048), RAMESH P (1SG15ME076), SRIDHAR N S (1SG15ME094), SUKRUTH K (1SG15ME096), bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bangalore in partial fulfilment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2018-19. 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. A M Mahesha	 Dr. P Mahadevaswamy	 Dr. K L Shivabasappa
Signature of the Guide	Signature of the HOD	Signature of the Principal

Reviewer

Name of the Examiner

Signature with date

1. Dr. K. M. Kenchi Reddy		14/6/19
2. Dr. R. G. P. Chandra		14/6/19

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

SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Chikkasandra, Hesaraghatta, Main Road, Bengaluru-560057.
DEPARTMENT OF MECHANICAL ENGINEERING



CERTIFICATE

Certified that the project work entitled **"DESIGN AND FABRICATION OF MULTINUT REMOVAL TOOL."** carried out by Pawan C (1SG15ME064), Pradeep B N(1SG15ME066), Praveen S (1SG15ME068), Ravi K C (1SG15ME077) bonafide students of 8th semester, Department of Mechanical Engineering at Sapthagiri College of Engineering, Bangalore in partial fulfilment of the award of Bachelor of Engineering in Mechanical Engineering of the Visvesvaraya Technological University, Belagavi during the year 2018-19. 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.

Pramod S V 08/06/2019

Prof. Pramod S V

Signature of the Guide

Dr. P Mahadevaswamy 08/6/19

Dr. P Mahadevaswamy

Signature of the HOD

Dr. K L Shivabasappa

Dr. K L Shivabasappa

Signature of the Principal

External Viva

Name of the Examiners

Signature

1. *Dr. K. M. Kanchan Reddy* *Dr. Kanchan Reddy* 14/6/19

2. *Dr. R. G. Reddy* *Dr. Reddy* 14/6/19

Principal

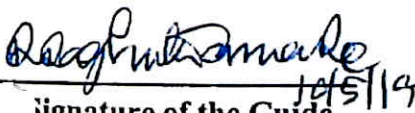
Sapthagiri College of Engineering
Chikkasandra, Hesaraghatta Road,
Bangalore- 560 057

DEPARTMENT OF MECHANICAL ENGINEERING
SAPTHAGIRI COLLEGE OF ENGINEERING
14/5, Hesaraghatta, Main Road, Chikkasandra, Bengaluru-560057

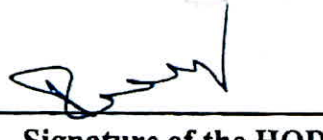


CERTIFICATE

This is to Certify that the project work entitled **"Remote operated equipment for cleaning up debris in lakes"** carried out by Praveen N S (1SG16ME428), Rakesh Kumar (1SG16ME432), Rudresh P (1SG15ME109) Shreeram A (1SG16ME439), bonafide students of final 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 2018-19. 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

Prof. P Raghuthama Rao
Associate Professor


Signature of the HOD

Dr. P Mahadevaswamy
Professor and HOD


Signature of the Principal

Dr. K L Shivabasappa
Principal

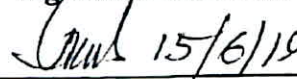
EXTERNAL EXAMINATION:

Name of the Examiners

1. Dr MH Annaiah

2. Dr. K. M. Kenchi Reddy

Signature with Date

1.  15/6/19

2.  15/6/19

Principal

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