

## NEWSLETTER-ME

### Department of Mechanical Engineering

## VOLUME - 4

### At a Glimpse

- Student Technical Events
  - SAE BAJA
  - ROBO EXPO
- NPTEL Certifications
- Placements
- Faculty Publications

### ABOUT MECHANICAL DEPARTMENT

Mechanical engineers develop state-of-the-art technologies and exhilarating solutions for the mankind. We attempt to provide our students with a cheerful, productive and satisfying experience at all levels of their program of studies to explore the amazing world of mechanical engineering. The department has secured high repute through its quality of teaching, infrastructure & equipment. Teaching has been rendered by highly qualified and experienced faculty with good publications in reputed journals. The department is recognized as a research centre by JNTUK, Kakinada for pursuing Ph.D. programme in Mechanical Engineering. The department has spacious laboratories and well equipped with experimental set-ups as per the requirement of the curriculum. The faculty are very active and encourage the students in fabricating real models viz., Go-kart, Robots, Solar based vehicles and other working models, which are very useful in day-to-day life and teach students with live examples.

### Vision

To be a center of excellence in Mechanical Engineering education and research

### Mission

*To promote trainings with institutional association*

*To provide skill-based education with focus on Automotive*

*To promote innovative ideas through creativity and leadership quality*



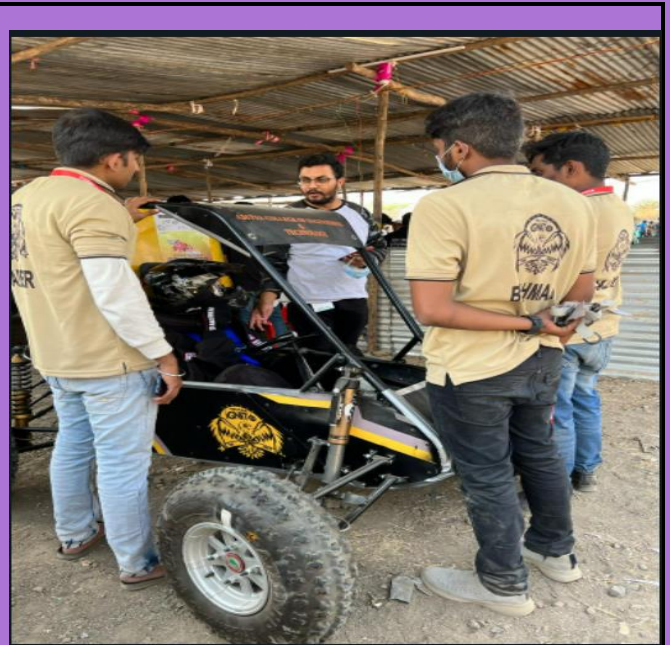
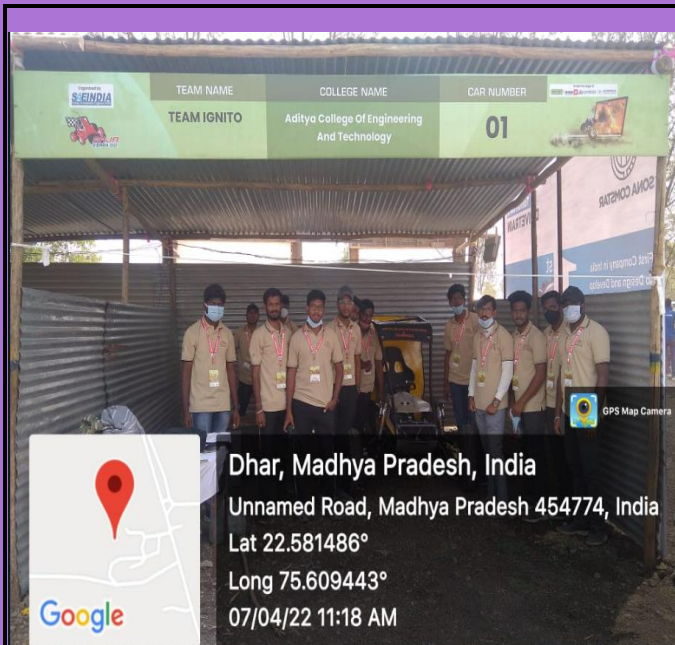
### Editorial Board:

1. Dr. CH V V M J Satish Asst. Professor
2. Mr. B Jagadish Asst. Professor
3. Mr. Lokesh Nagala (Student)
4. Mr. Veerababu Pilli (Student)
5. Mr. M. S. Sai Kumar (Student)
6. Mr. CH. Devi Prasad (Student)

## Student Technical Events

### SAE BAJA

**BAJA SAE INDIA DYNAMIC EVENTS:** Students of Mechanical engineering, EEE and ECE of ACET have shortlisted for BAJA SAE INDIA 2022 event, conducted at Pithampur Madhya Pradesh. In which students need to fabricate an ATV and it should have passed through these vehicle performance tests such as technical evaluation, weight, engine design as per rule book safety rules, Brake test, Acceleration test, Sledge pull, endurance students



### Robo Expo

Robotics club Mechanical engineering Department has actively engaged in developing different robots for attending in several technical events and projects, they have organized Robo Expo event in the campus by involving Electronics communication and Computer science students



## Robo Expo







# NPTEL Certification

**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR NITLA STANLEY EBENEZER**  
for successfully completing the course  
**Effective Engineering Teaching In Practice**  
with a consolidated score of **60** %

Online Assignments	21/25	Proctored Exam	38.51/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **366**

Jan-Feb 2022  
(4 week course)

Prof. Devendra Jalihal  
Chairman  
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL22GE05544481921

To validate and check scores: <https://nptel.ac.in/noc>

**NPTEL-AICTE**  
**Faculty Development Programme**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR AKHILESH KUMAR SINGH**  
for successfully completing the course  
**Inspection and Quality Control in Manufacturing**  
with a consolidated score of **69** %

Feb-Mar 2022

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

Prof. Dileep N. Malkhede  
Advisor I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL22ME53514260804

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**DR KUNAPULI SIVA SATYA MOHAN**  
for successfully completing the course  
**IC Engines and Gas Turbines**  
with a consolidated score of **58** %

Online Assignments	20.13/25	Proctored Exam	37.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **662**

Jan-Apr 2022  
(12 week course)

Prof. Hemant B Kaushik  
Head, Center for Educational Technology  
NPTEL Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

Roll No: NPTEL22ME65534260414

To validate and check scores: <https://nptel.ac.in/noc>

**NPTEL-AICTE**  
**Faculty Development Programme**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**P V S MURALIKRISHNA**  
for successfully completing the course  
**IC Engines and Gas Turbines**  
with a consolidated score of **63** %

Jan-Apr 2022

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

Prof. Dileep N. Malkhede  
Advisor I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL22ME65534260017

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

**NPTEL-AICTE**  
**Faculty Development Programme**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**GOLLAPALLI VEERA SATYA SRINIVAS**  
for successfully completing the course  
**IC Engines and Gas Turbines**  
with a consolidated score of **60** %

Jan-Apr 2022  
(12 week course)

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

Prof. Dileep N. Malkhede  
Advisor I (Research, Institute & Faculty Development)  
All India Council for Technical Education

Roll No: NPTEL22ME65534260095

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams.  
This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses.  
F.No. AICTE / RIFD / FDP through MOOCs / 2017-18

**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**RATNALA PRASAD**  
for successfully completing the course  
**IC Engines and Gas Turbines**  
with a consolidated score of **69** %

Online Assignments	22.25/25	Proctored Exam	46.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **662**

Jan-Apr 2022  
(12 week course)

Prof. Hemant B Kaushik  
Head, Center for Educational Technology  
NPTEL Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

Roll No: NPTEL22ME65534260301

To validate and check scores: <https://nptel.ac.in/noc>

## NPTEL Certification

**NPTEL-AICTE**  
Faculty Development Programme  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**M RAMBABU**  
for successfully completing the course  
**IC Engines and Gas Turbines**  
with a consolidated score of **51 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

Prof. Dileep N. Maheshwari  
Advisor (Research, Institute & Faculty Development)  
All India Council for Technical Education

(Jan-Apr 2022)

Roll No: NPTEL22ME65544080253

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses. F.No. AICTE / RFP / FDP through MOOCs / 2017-18

**NPTEL-AICTE**  
Faculty Development Programme  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**ABDUL ARIF**  
for successfully completing the course  
**Effective Engineering Teaching In Practice**  
with a consolidated score of **58 %**

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

Prof. Dileep N. Maheshwari  
Advisor (Research, Institute & Faculty Development)  
All India Council for Technical Education

(Jan-Feb 2022)

Roll No: NPTEL22GE05534290124

The candidate has studied the above course through MOOCs mode, has submitted online assignments and passed proctored exams. This certificate is therefore acceptable for promotions under CAS as per AICTE notifications dated 24<sup>th</sup> July 2018, similar to other refresher / orientation courses. F.No. AICTE / RFP / FDP through MOOCs / 2017-18

**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**VALLAPUREDDY SIVA NAGI REDDY**  
for successfully completing the course  
**IC Engines and Gas Turbines**  
with a consolidated score of **69 %**

Online Assignments	21.03/25	Proctored Exam	48/75
--------------------	----------	----------------	-------

Total number of candidates certified in this course: **662**

Jan-Apr 2022  
(12 week course)

Prof. Narendar B. Kaushik  
Head, Centre for Educational Technology  
NPTEL, Coordinator, IIT Guwahati

Indian Institute of Technology Guwahati

Roll No: NPTEL22ME65544260353

To validate and check scores: <https://nptel.ac.in/noc>

**Elite**  
**NPTEL Online Certification**  
(Funded by the MoE, Govt. of India)

This certificate is awarded to  
**BODDETI JAGADISH**  
for successfully completing the course  
**Effective Engineering Teaching In Practice**  
with a consolidated score of **67 %**

Online Assignments	21/25	Proctored Exam	45.78/75
--------------------	-------	----------------	----------

Total number of candidates certified in this course: **366**

Jan-Feb 2022  
(4 week course)

Prof. Devendra Jalihal  
Chairman  
Centre for Continuing Education, IITM

Prof. Andrew Thangaraj  
NPTEL Coordinator  
IIT Madras

Indian Institute of Technology Madras

Roll No: NPTEL22GE05534290177

To validate and check scores: <https://nptel.ac.in/noc>

## Student Placements

## Congratulations



Kaja Kalki Bhagvan  
Mahendra and



M Siva Krishna  
Mahindra and



B V S Naveen Reddy  
Mahindra and Mahindra



Y S Brahmaji  
Mahindra and Mahindra

## Faculty Publications

Dr M Murugan has published in SCI indexed journal, paper entitled **Analysis of performance, combustion, and emission parameters in a reactivity-controlled combustion ignition (RCCI) engine—an intensive review.** International Journal of Ambient Energy, 1-10.



Dr CH V V M J Satish has published in a Scopus indexed journal, paper entitled **Collision-free Inverse Kinematics of Redundant Manipulator for Agricultural Applications through Optimization Techniques** in International Journal of Engineering



Dr K S S Mohan has published in scopus indexed journal, paper entitled **Artificial Neural Network Technique for Estimating the Thermo-Physical Properties of Water-Alumina Nanofluid** in Ecological Engineering & environment technology

