



The Department of Mechanical Engineering was established in the year 2010. It has intake capacity of 240 students. All the laboratories are well established with state of the art equipment. The department has highly qualified and experienced faculty and technical staff. An innovative teaching and learning process is implemented in imparting quality education to the students which includes conduct of workshops, seminars, industrial tours, expert lectures and various extracurricular activities. An extra laboratory over and above the JNTUH syllabus namely Advanced Technology Lab & SAE(Society of Automotive Engineers) Lab is introduced to impart industry demand courses and make the students industry- ready.



**N.JEEVAN KUMAR**  
**HEAD OF THE DEPARTMENT**  
**PROFESSOR**



**Dr.K.SRINIVASA REDDY**  
**DEAN**  
**PROFESSOR**



**Dr. K. HARINARAYANA**  
**PROFESSOR**



**Dr. C. SHYAM SUNDAR**  
**PROFESSOR**



**Dr. D. VIKRAM SINGH**  
**PROFESSOR**



**Dr. B. RAVI NAIK**  
**PROFESSOR**

**DEPARTMENT OF**  
**MECHANICAL ENGINEERING**

- **Editorial Board**
- **SAE INDIA**
- **Workshops**
- **FDP'S**
- **Departmental Activities**
- **Practical Training**
- **Industrial Visits**
- **Summer Training**
- **Annual Day**
- **Placements**
- **NSS Camps**
- **Vision and Mission**
- **Management**



# CMR Engineering College

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eMECH News Letter Vol.5 Issue.2

## EDITORIAL BOARD

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*Editor-in-Chief*

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*Asst. Prof.*

### *From the Editorial Board*

Every journal depends upon its editor(s) and board for its success. One essential task for every employee is to develop good working relationships with their colleagues and to assist them in their challenging tasks.

Faculty Development Programme (FDP) aims at equipping teachers with skills and knowledge that are essential for inculcating entrepreneurial values in students and guiding and monitoring their progress. The FDPs provide inputs on process and practice of entrepreneurship development, communication and inter-personal skills, creativity, problem solving, achievement motivation training, inputs on resource and knowledge industries.

With ever changing technologies & methodologies, the competition today is much greater than ever before. The industrial scenario needs constant technical enhancements to cater to the rapid demands. The Summer trainings are important because it is the best way to acquire and clear your concepts about your respective fields

Going beyond the horizons of textbooks and making something innovative is certainly a measure to improve an individual in practical terms. Workshops, seminars and conferences held at regular intervals do perform the same motive for a student. As you listen to other people's ideas, you may find inspiration that can help you in the workplace.

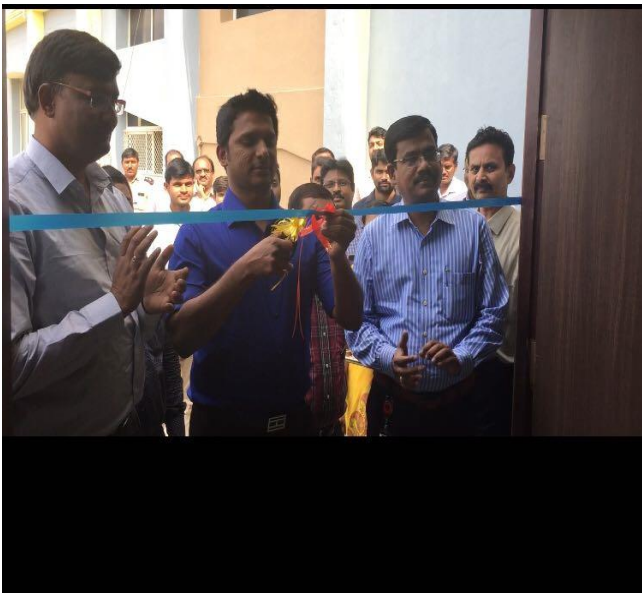
**“YOUR FUTURE IS CREATED BY WHAT YOU DO TODAY”**

## DEPARTMENT OF MECHANICAL ENGINEERING



### Inauguration of “SAE LAB”

A new facility namely, ‘CMREC PRODUCT DEVELOPMENT CENTRE’ has been provisioned in the department of Mechanical Engineering, CMR Engineering College, Kandlakoya, Medchal, Hyderabad. The main objective of the centre is to involve the students in developing new products in the area of automotive and aerospace vehicles. Under this centre, two student technology clubs are functioning namely, ‘CMREC SAE INDIA COLLEGIATE CLUB’ and ‘AERO VEHICLES CLUB’



The centre was inaugurated on 21-03-2017 by Sri. Ch.Srisailam Reddy, Secretary, CMR Engineering College, Vice- Chairman, Sri. Ch..Bhoopal Reddy, Principal Dr.A.S. Reddy. The Chief faculty advisor Dr K. Srinivasa Reddy, Head of the Department Prof. N.Jeevan Kumar, HODs, Deans and faculty members, SAE COLLEGIATE CLUB student members attended the opening ceremony.



It is a great privilege for CMREC to inaugurate India’s Leading Resource for Mobility Technology i.e., SAE INDIA ( Society Of Automotive Engineers) by the co-ordination of our Honorable Secretary **Sri. Ch. Boopal Reddy garu,** and Honorable Chairman **Sri. Ch. Srisailam Reddy garu.** SAE Lab has been inaugurated by Dr. A.S. Reddy, Principal, CMREC followed by Dr. K.S.Reddy, Dean (Mech. Dept.) along with Prof. N. Jeevan Kumar, HOD (Mech. Dept.) and all Mechanical Department Faculty members.



## DEPARTMENT OF MECHANICAL ENGINEERING

### Inauguration of “SAE LAB”



- **SAEINDIA** is an affiliate society of SAE International, registered as an Indian non profit engineering and scientific society dedicated to the advancement of mobility community in India.
- **SAEINDIA** is India's leading resource for mobility technology. As an individual member-driven society of mobility practitioners the ownership of SAEINDIA rests with its members who are Individuals from the mobility community, which includes Engineers Executives from Industry, Government Officials, Academics and Students



- **SAEINDIA** is an affiliate society of SAE International, registered as an Indian non profit engineering and scientific society dedicated to the advancement of mobility community in India.



- Inauguration of SAE Lab in CMREC by our Honorable Secretary **Sri. Ch. Boopal Reddy garu**, and Honorable Chairman **Sri. Ch. Srisailam Reddy garu**. SAE Lab has been inaugurated by Dr. A.S. Reddy, Principal, CMREC followed by Dr. K.S.Reddy, Dean (Mech. Dept.) along with Prof. N. Jeevan Kumar, HOD (Mech. Dept.) and all Mechanical Department Faculty members.

Our Department has nominated the following Faculty members as SAE Coordinators:

- **Dr.K.Srinivasa Reddy** B.E, M.Tech, PhD is the chief faculty advisor for the club and Team WILDMILLER. He assisted by two assistant faculty advisors **Mr.Mahesh Babu** and **Mr. T.V.Naven Kumar**. He is specialized in Thermal Engineering.
- Mr. A.Mahesh Babu holds M.Tech degree in Machine Design.
- Mr. T.V. Naven Kumar M.Tech is specialized in Advanced Manufacturing Systems.



## DEPARTMENT OF MECHANICAL ENGINEERING

### A One Day ESI Competition on “RULE QUIZ”-2018



#### CMR ENGINEERING COLLEGE (CMREC)

was established in the year 2010 with a single minded aim of providing a perfect platform to students in the field of Engineering for their academic excellence and overall personality development.

CMREC has many Student Activity Clubs. One such club is the SAE INDIA CMREC COLLEGEIATE CLUB. Team WILD MILLER is a part of this club which has designed an ALL TERRAIN VEHICLE (ATV) as per the guidelines and specifications laid out by **SAEINDIA BAJA 2018** and **Enduro Student India** contests.



  
enduro.student.india



**Enduro Student India** is an exclusive student design competition which has been conceived and conducted by Delta Inc., Kolkata. The rules and regulations adopted by the organisers are prescribed by international standards which are adopted by other similar events across the globe. In this competition the participants are required to design and manufacture an **ALL TERRAIN VEHICLE (ATV)**.



## DEPARTMENT OF MECHANICAL ENGINEERING

A One Day ESI Competition on “RULE QUIZ”-2018



ESI Competition on  
“RULE QUIZ”

### FINAL STUDENTS LIST OF SAE MEMBERSHIP

SL. NO.	ROLL NO	STUDENT NAME
1	158R1A0389	K.Suresh
2	158R1A03G5	P Vinith
3	158R1A0395	K Sai Pavan
4	168R5A0349	Shivam Chaudhary
5	168R5A0345	T Gokul
6	158R1A0348	Abhinav Dacha
7	158R1A0382	K Raju
8	158R1A03B3	M Abhilash
9	158R1A03N3	K Vishal
10	158R1A03N4	P M Akhil
11	158R1A03B5	M Kiran Kumar
12	168R5A0330	Nayakoti Mani Teja
13	158R1A03H8	Radarapu Raju
14	158R1A0375	J Raj Kumar
15	158R1A03N5	P Shashidhara
16	148R1AO3I7	R.Chakradhar reddy
17	148R1AO3K9	V.Arun kumar
18	148R1AO3I3	P.Srinivas
19	148R1AO3M1	Y.Prem Sai
20	148R1AO303	A. Rama krishna
21	148R1AO385	chaithanya
22	148R1AO344	Pratheek
23	148R1AO3K5	T.Karthik
24	148R1AO367	vignan Sai

- SAE MEMBERSHIP list includes all second year, third year and final year Mechanical students under the guidance of Dr. K.S. Reddy, Dean (Mech. Dept.) and Prof. N. Jeevan Kumar, HOD (Mech. Dept.)

**“RULE QUIZ”-2K18**



## Department of Mechanical Engineering

A Eight Day FDP on “Academic Subjects”

FDP

- ✓ Dr. K.S.Reddy garu, Dean (Academics) had introduced about the thesis of programme.
- ✓ The Main aim of the talk was to enhance the skills of a Faculty Member and emphasizing the different methodology of teaching skills for the benefit of student career.
- ✓ Followed by our beloved Prof N. Jeevan kumar, HOD , Department of Mechanical Engineering mentioned about uses of subjects in both practical and theoretical approach which will help students to analyse easily



Mr. Shankar Linga  
Asst. Prof.



Mr. T. Ravi Kumar Reddy  
Asst. Prof.



Mr. D.V. Prashanth  
Asst. Prof.



## *Department of Mechanical Engineering*

**A Eight Day FDP on “Academic Subjects”**

**FDP**

### DAY WISE SCHEDULE

Sl no	Date	Guidance	Name of Faculty	Subject
1	25/05/2017	Dr.K.S.Reddy	Bhargav Y Srinivas Vidya Nagaraju Rajesh	TE-I TE-I EG EG PPE
2	26/05/2017	Prof. N.Jeevan Kumar	Sudarshan Amzad Khan Shankar Linga Durga Raj Parameshwar	CAD/CAM LAB EG  EG EG
3	27/05/2017	Dr. Hari Narayana	Ramesh Venkata kishore Siva rama Krishna Sumeet Dileep	MT CAD/CAM PD MT EG
4	29/05/2017	Dr. Ravi Naik	Vigneshwar Sreenu Naveen Kumar Anjaneyulu Vijaya Krishna	DOM EG MMS DMM-I DMM-I
5	30/05/2017	Dr. D.V.Singh	Mukesh Harsha Vardhan Bhaskar Mahesh Babu	ENGINEERING MECHANICS

**DEPARTMENT OF  
MECHANICAL  
ENGINEERING**

**SUBJECT EXPERTS**

1. Dr. K.S.REDDY
2. Prof. N.JEEVAN KUMAR
3. Dr. HARI NARAYANA
4. Dr. RAVI NAIK
5. Dr. D.V.SINGH



**Department of Mechanical Engineering**

A Eight Day FDP on “Academic Subjects”

FDP



**DAY WISE SCHEDULE**

Sl no	Date	Guidance	Name of Faculty	Subject
6	31/05/2017	Dr.Syam Sundar	Swathi Vijay Kumar Mamata Sathish Avinash	RES MOS EG CAD/CAM ROBOTICS
7	01/06/2017	K. Rajendra Prasad	Reddappa Faqrudin Manjunath Bogeswara Rao	ROBOTICS KOM MOS LAB ICS
8	02/06/2017	V. Raja Kiran	Ravi Kumar Rahul Vineeth Amar raja	DMM-I DOM PPE CAD/CAM LAB

**DEPARTMENT OF  
MECHANICAL  
ENGINEERING**

**SUBJECT EXPERTS**

6. Dr.Syam Sundar

7. K. Rajendra Prasad

8. V. Raja Kiran

**NOTE: FDP for 8 Days (25-05-2017 to 02-06-2017)**

**- FDP -**

**Faculty Development Program**

Faculty Development Program

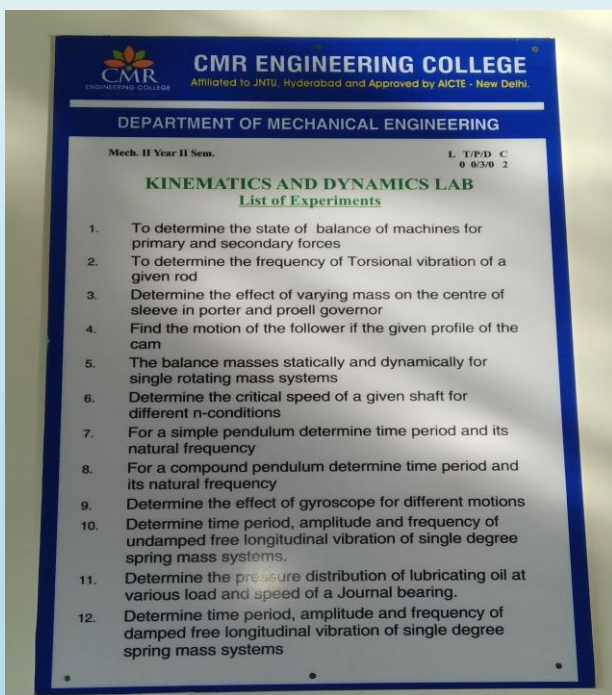
## Department of Mechanical Engineering



### A Two Day Practical Training on “KOM-DOM LAB”

Department of Mechanical Engineering had established KOM-DOM LAB insisted by Dynamic Engineers by the co-ordination of Dr. A.S. Reddy garu, principal CMREC, Dr. K.S. Reddy garu, Dean Academics, Prof. N. Jeevan Kumar HOD Mechanical Department followed by all Faculty members along with the Lab technicians.

#### LIST OF EXPERIMENTS



#### EXPERIMENTAL SET UP



## Department of Mechanical Engineering

### A Two Day Practical Training on “KOM-DOM LAB”

#### SIMPLE & COMPOUND PENDULUM



#### CAM & FOLLOWER



Demo Session of KOM-DOM LAB Experiments for the Faculty Members Mr. A. Mahesh Babu, Mr. Y.Srinivas Reddy and Mr. Faqrudin along with Lab Technicians.



#### GYROSCOPE



## Department of Mechanical Engineering

### A Two Day Practical Training on “KOM-DOM LAB”

#### FREE & FORCED VIBRATIONS



KOM-DOM LAB consists of totally 12 Set of Experiments along with a Lead Experiment



**Mechanical Engineering**

#### WHIRLING OF SHAFT



Demo Session of KOM-DOM LAB Experiments for the Faculty Members Mr. A. Mahesh Babu, Mr. Y.Srinivas Reddy and Mr. Faqrudin along with Lab Technicians

**KOM-DOM LAB**

## DEPARTMENT OF MECHANICAL ENGINEERING

### *VISION and MISSION*

#### VISION

- To be a centre of excellence in offering value based and futuristic technical education in the field of Mechanical Engineering.

#### MISSION

- To impart Quality technical education imbedded with values by providing state of the art laboratories and effective teaching and learning process.
- To produce industry ready Mechanical Engineering graduates with advance technical and lifelong learning skills.
- To prepare graduates for higher learning and research Mechanical Engineering and it's allied areas.

#### PROGRAM EDUCATIONAL OBJECTIVE

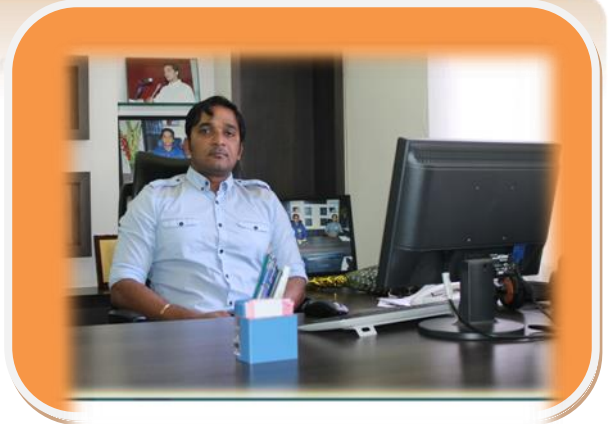
- The Graduate will exhibit strong knowledge in Mathematics, Science and Engineering for successful employment or higher education in Mechanical Engineering.
- The Graduates will design and implement complex modelling system, conduct Research and work with Multi-disciplinary teams.
- The Graduate will be capable of Communicating effectively with lifelong attitude and function as responsible members of Global Society.

# MANAGEMENT



Sri. Ch. Narsimha Reddy, the Founder & Chairman of CMR Engineering College is a highly enthusiastic agriculturist and administrator with an interest in promoting education and thrives to maintain CMRCET, CMRCP, CMRIT and CMR Schools at a very high standard. He is working with missionary zeal. He has effectively used his skills for the establishment and management of various professional Educational Institutions to offering quality education to the down-trodden through CMR Group.

Sri. Ch. Bhoopal Reddy, B.Tech, MBA (Lon.), the Vice-Chairman of CMR Engineering College is a dynamic leader who has been the driving force behind the CMREC and steering them to new heights to produce dynamic minds who can adapt to the changing scenario and complex situations and are innovative enough to face the diverse challenges effectively in this highly competitive world of today.



Sri. Ch. Srisailam Reddy, B.Tech, MIT (Aus.), the secretary and Correspondent of CMR Engineering College is a dedicated and dynamic person with a vision to accelerate it in the field of education world on top of the global map with the unique standard of students to provide the best combination of academic standards professional approach. His journey is towards Excellence, Strengthening of Academic activities of the institution to nurture the Visionary Professionals that thrives in this Era of change. His Achievements have created a very high set of benchmarks.



Dr.A.S.Reddy, ME.Ph.D (Electrical Engineering), the principal of CMR Engineering College is an excellent academician and dynamic administrator with 20 years of rigorous teaching experience and about five years as a Principal with a vision to create excellence in technical education and research.Strong leadership is about consensus building, effective navigation, and balancing and synergizing the pillars of an institution such as CMREC Principal who have been working for the excellence of the Engineering Education to disseminate and advance knowledge by providing instructional, research and extension facilities with a global perspective to bring forth the theme, 'innovation and leadership' in Technical Education.

