

AUG 6, 2015

Department of  
Mechanical Engineering

# THE eMECH NEWS LETTER



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 is introduced to impart industry demand



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



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



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

## **CONTENTS**

|                              |   |
|------------------------------|---|
| EDITORIAL BOARD              | 1 |
| WORKSHOPS AND<br>CONFERENCES | 2 |
| DEPARTMENTAL ACTIVITIES      | 3 |
| FAREWELL DAY                 | 4 |
| ANNUAL DAY                   | 5 |
| TRADITIONAL DAY              | 6 |
| MISSION AND VISION           | 7 |

“Yesterday is history, tomorrow is a mystery. And today? Today is a gift. That’s why we call it the present.”

B. Olatunji

“Engineers like to solve problems. If there are no problems handily available, they will create their own problems.”

[Scott Adams](#)

“The secret to success is to start from scratch and keep on scratching.”

A Janher Bue

Your articles and comments can also be sent to the following E-mail:  
[cmrecnewsletter@gmail.com](mailto:cmrecnewsletter@gmail.com)



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1

## eMECH NEWS LETTER

### EDITORIAL BOARD

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*Assoc. Prof.*

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**Y.Srinivas Reddy**

*Asst. Prof.*

### *From the Editorial Board*

You can't add any more hours to your day so learning to manage your time more effectively will help you plan your work more efficiently and ensure deadlines are met. Managing time effectively is a particularly crucial ingredient in successful projects. It is important to manage both your personal and professional lives because as much as you try to keep them separate they cannot help but infringe upon one another. Managing your own time will not only benefit you but those around you as well.

The busy man only can manage to do many things, which seem to be beyond the reach of ordinary persons. The life of great leaders teaches us one lesson. They have to do many things in spite of their busy schedule. The secret therefore lies in scientific management of time. When a person says that he has no time, what he really means is that he is unable to manage his time properly. The idea of time management has been in existence for more than 100 years. The term time management should not be misunderstood as time can be managed. In fact time can't be managed. By time management what we mean is we need to manage ourselves according to the time.

Time management is actually self-management. The skills that we need to manage others are the same skills that are required to manage ourselves. Namely, the ability to plan, organizes, direct and control.

## Department of Mechanical Engineering

### Workshops and Conferences

Dr. K. Hari Narayana, V. Mastan Worked as a Technical Committee members for two days National Conference on "DEVELOPMENTS, ADVANCES &TRENDS IN ENGINEERING SCIENCES"-NCDATES2K15.

A One Day **WORKSHOP** on "ZOOMING CONCEPTS IN RESEARCH METHODOLOGIES" is conducted on 23<sup>rd</sup> FEB2k15. Dr.V.Chandra shaker, CEO of FUSION TECHNOLOGIES LIMITED has attended as a chief guest.



### Guest Lecturers

Shri Ashok Reddy has attended as Guest Lecturer for one day workshop on "CAD APPLICATIONS IN MECHANICAL ENGINEERING"

### Paper Presentations

Dr. K. SRINIVASA REDDY presented a paper on "**A NUMERICAL STUDY OF EFFECT OF RETURN CHANNEL VANES IN CENTRIFUGAL COMPRESSOR**" in NCDATES2K15.

Prof. N. Jeevan Kumar, presented paper in NCDATES2K15 on "**Delamination Damage Propagation Studies of Laminated Composite stiffened panels**".

Dr. K.Hari Narayana, Presented paper on "**An Evolutionary Modeling Approach for submerged Arc welding process**" in NCDATES2K15.

Mr. A. Mahesh BABU, Presented Paper on "**Static Force Analysis of Mini Hydraulic Backhoe Excavator and Evaluation of Bucket Capacity, Digging Force Calculations**" in NCDATES2K15

Dr.Hari Narayana has presented paper on "**A Research Approach to Renewable Energy resources**" in NCDATES2K15

### AWARDS

Mr. B. HARSHA VARDHAN, Associate professor has awarded **PhD. in THERMAL ENGINEERING** by IIT MADRAS on March2k15.

Prof.K.HARI NARAYANA has awarded **PhD. in MECHANICAL ENGINEERING** by JNTUH on April2k15.

### ACHIEVEMENTS

Smt. N.B.JYOTHI & Y. Srinivas Reddy started their Research work in the areas of DESIGN AND THERMAL ENGINEERING.

### WEBINARS

A Webinar is conducted on "Introduction to Engineering Drawing and Orthographic Projections in First" by **Dr.N.V.Srinivasulu** from CBIT Hyd on 7Jan2k15.

**CMR ENGINEERING COLLEGE**  
Kundlikery, Dr. Madhav Reddy, Hyderabad - 500016  
DEPARTMENT OF MECHANICAL ENGINEERING

We are glad to invite you to  
"A ONE DAY WORKSHOP ON ENGINEERING DRAWING AND APPLICATIONS"

| Date       | Topics to be covered   | Subject             |
|------------|--|---------------------|
| 07-01-2015 | Introduction to Engineering Drawing, Solids, Orthographic Projections and its applications | Engineering Drawing |

**Organizers:**  
 Mr. C.B. Jeevan Kumar, Chairman  
 Mr. C.B. Electrical, Member  
 Mr. C.B. Mechanical, Member  
 Mr. C.B. Metallurgy, Member

**Faculty:**  
 Mr. A.S.Reddy, Professor  
 Mr. H.N.Reddy, Head  
 Dr. N.V. Srinivasulu, Professor  
 CBIT

**Organizer:**  
 Mr. N. Jeevan Kumar  
 IITM, Madras

**VENUE:**  
 Mr. V. Raja Kumar, Asst. Prof.  
 MEdL, Madhav Reddy (Zone. 200)

Contact: 9989678672, 9989722116

## Department Activities



*Prof. N.JEEVAN KUMAR, HOD/Mechanical Engineering is Conducting the skill development programme.*

Department of Mechanical engineering organized a two day training workshop on “**SKILL DEVELOPMENT PROGRAMME**” in the area of **WELDING PROCESSES** on 26&27<sup>th</sup> June, 2015. Staff & technicians from **INDUSTRIAL MACHINE TOOLS CORPORATION & PROGRESSIVE MARKETING** trained all lab technicians during these two days.



*Mr. K.Rajendra prasad, Assoc. prof. of Mechanical Engineering is Conducting CATIA training programme.*

Department of Mechanical engineering organized a one week training workshop on “**CATIA**” during semester break between Dec14/Jan15. Department of Mechanical engineering organized a Two week training Programme on “**ANSYS**” during semester break between May15/June15.

## Students Academic Performance

**A.GANESH** bearing roll no.118R1A0302 has topped in **MECHANICAL ENGINEERING** for the fourth year final semester with percentage of 93.3%.

**B.RAMESH** bearing Roll no.118R1A0371 has topped in **MECH ENG.**, for the fourth year final semester with percentage of 90.43

## Student Extra –Curricular Activities

Chandra Shekar & Abhishek bearing Roll no.128R1A0381 & 373 have won the cash prizes in paper presentation competition in the area of **SPARK IGNITION SYSTEM** at **HITAM ENGINEERING COLLEGE** on Jan 5<sup>th</sup> 2015.

Mr.Hemanth Kumar bearing Roll No. 128R1A0395 has won cash prize in paper presentation competition in the area of **GREEN ENGINES** at **Guru Nanak Engineering College** on Jan 10<sup>th</sup> 2015.



# Farewell Day



The **FAREWELL DAY** was celebrated on 10 APRIL 2015. **Sri.Ch.Bhoopal Reddy**, vice-chairman, CMREC presided over the function, **Sri. Ch. Srisailam Reddy**, secretary & correspondent offered felicitation. **Dr.A.S.REDDY**, Principal, graced the occasion as chief-guest. Addressing the students, the **Principal** congratulated the students and hoped for a bright and rewarding career ahead. He stated that the demand for quality engineers has been increasing day by day. He appreciated the steps taken by **CMR ENGINEERING COLLEGE** in imparting technical education to the students of rural areas as well. He also encouraged the students to have a holistic view of the world once they enter their professional career. He appreciated the college fraternity for its well developed infrastructure meant for imparting application-oriented technical education and training-based discipline for overall development of the students.

The function was concluded with a vote of thanks by the Convener **Assoc. prof.B.VIJAY KRISHNA**, MECHANICAL ENGINEERING DEP. followed by delicious lunch. He expressed his heart - felt gratitude to the magnanimous management, the Worthy Principal, Dean (Academics), all HODs and all students in making the function a grand success



# ANNUAL DAY



Chairman & Principal awarding memento to Shri. Ch. Malla Reddy

The 5<sup>th</sup> College Annual Day was celebrated on 16 April, 2015. Our Beloved **Sri.Ch.Bhoopal Reddy**, vice-chairman, CMREC presided over the function, **sri. Ch. Srisailam Reddy**, secretary & correspondent offered felicitation. **Shri.Ch.Malla Reddy**, M.P., Chairman, MALLA REDDY GROUP OF INSTITUTION was the Chief Guest. He, in his speech, talked about the reminiscences of his past particularly when he was in a young age. Moreover, he inspired the audience with all his updated knowledge and information. **Dr.A.S.Reddy**, Principal, presented the Annual Report of the college for the academic year 2014-2015. Prizes were distributed to the students for their outstanding performance in University examinations and co-curricular activities. Heads of the departments and EC members of CMREC were also present. Finally, there were cultural events performed by the students with high frolic and vigor in the



### TRADITIONAL DAY



The Traditional Day was celebrated in a fitting manner on 5<sup>th</sup> March 2015. **Sri.Ch.Bhoopal Reddy**, vice-chairman, CMREC, presided over the function and delivered the presidential address. Mrs.S.Naga lakshmi, the coordinator of Women Empowerment Cell executed the whole



### Placement Cell

**Mr.B.Vijay Krishna** acting as the placement coordinator in the **MECHANICAL ENGINEERING** Dept. The Placement and Training Cell of our Dept. organized the training programme from 7<sup>th</sup> - 10<sup>th</sup> April 2015 for all the Third year students. The Classes were conducted and the staff brought the awareness about the placements among the students.

### NSS

**Mr.K.Satish Kumar**, 4th year MECH Student along with his team under NSS CMREC programme went to Vizag and distributed clothes and money for to victims of **Hudhud cyclone**.

### తెలంగాణ విద్యార్థుల ఉదారణ



### PLACEMENTS

**From Dept.of Mech.Engineering, 19** students were placed for various companies for the Academic year 2014-15.





## Mechanical Engineering Mission and Vision

### 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 Outcome

- The Graduates 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 systems, conduct Research and work with multi-disciplinary teams.
- The Graduate will be capable of communicating effectively with lifelong learning 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.

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.

CMR GROUP



**Sri. Ch. Srisailem Reddy**, B.Tech, MIT (Aus.), the secretary and Controller 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 a high standard of students to provide the best combination of academic standards and a professional approach. His journey is towards Excellence. Strengthening Academic activities of the institution to nurture the Visionary Professionals thrives in this Era of change. His Achievements have created a very high 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.

CMR GROUP

