

Research and Publications

1. P.S.S.Murthy, A. Satyadevi, A. Gopala Krishna and K. Eswaraiah "Mass Distribution in a Spatial Mechanism to Reduce Shaking Moment" Indian Journal of Science and Technology, Vol 9(41), DOI: 10.17485/ijst/2016/v9i41/100985, November 2016. ISSN: 0974-6846; Scopus indexed with source record number 21100201522.
2. AnilKumarBodukuri, K.Eswaraiah, Katla Rajendar, V.Sampath " Fabrication of Al-SiC-B4C metal matrix composite by powder metallurgy technique and evaluating mechanical properties" Perspectives in Science Elsevier Volume 8, September 2016, Pages 428-431 .
3. U. Shrinivas Balraj & A. Kumar, "Experimental Investigation on electrical discharge machining of RENE80 nickel super alloy", International Journal of Machining and Machinability of Materials, vol.18, Nos.1/2, pp. 99-119, 2016. (Inderscience Publisher)
4. U. Shrinivas Balraj & P. Anitha, "Machinability study on drilling of Al-7075/Al203P /GRP hybrid metal matrix composites", Indian Journal of Engineering, 13(33), 422-428, 2016.

Conference and Training Programme Attended by Faculty

1. U. Shrinivas Balraj, "Analysis and Modeling of wear characteristics of Al7075/Al203P /GrP hybrid metal matrix composites", International conf: AIMTDR-2016, College of Engineering, Pune (COEP), Pune, pp. 1838-1842, 16-18th Dec. 2016. (ISBN No.: 978-93-86256-27-0)
2. P.S.S.Murthy, A.Satyadevi, A.GopalaKrishna, "Generalized slider Crank Mechanism by Dual number Quaternion algebra method", National Conference on Advances in Research and Innovations in Mechanical Engineering, Material Science, Industrial Engineering and Management, NIT, Manipur ,Dec 2016.
3. Ch.Karunakar, Pranavi.D, K.Raja Narender Reddy and S.Sripathy , "Development and Investigation of Flexural and Tensile Properties of GFRP/Rice Husk Polyester Composite", National Conference on Advances in Research and Innovations in Mechanical Engineering, Material Science, Industrial Engineering and Management, NIT, Manipur ,Dec 2016. ISBN 978-93-86176-46-2, PP: 110-114.
4. A.Hari Kumar, P. Anitha have attended One Week FDP on "Design of Experiments and Optimization Methods", Organized by Department of Mechanical Engineering, Jayamukhi Institute of Technological Sciences, 14th to 20th December, 2016.
5. K. Kishor Kumar, Dr. P.Ramesh Babu, Dr. K. R.Narender Reddy , "Investigation of Thermal Properties of some short hybrid fiber reinforced natural composites with DSC analysis" ICAMM-2016,Dec 2016 Osmania University, Hyderabad.
6. V.Sampath, B. Sathish have attended TEQIP Phase II. sponsored One week workshop on "Design and analysis of Mechanical Systems (DAMS)" conducted by the Department Mechanical Engineering, NIT Trichy from 19.12.2016 to 24.12.2016.

Details of STTPs/ FDPs/ Workshops etc., attended by the faculty

1. Sri A. Hari Kumar attended One Week FDP on "Design of Experiments and Optimization Methods", Organized by Department of Mechanical Engineering, Jayamukhi Institute of Technological Sciences, Narsampet. during 14th to 20th December, 2016
2. Sri V. Sampath and Sri B. Satish attended one week workshop on Design and Analysis of Mechanical Systems, conducted under sponsorship of TEQIP phase-II at NIT, Trichy during 19.12.2016 to 24.12.2016

Details of FORCE RACING 2016- BIC, Noida

SAE 2016



THE PRODIGY

DEPARTMENT OF MECHANICAL ENGINEERING

NEWSLETTER - DECEMBER 2016

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Directors' Message



My heartiest congratulations to the department of Mechanical Engineering, in bringing out a newsletter portraying the academic and non-academic activities of their department. In the era of 'Outcome Based Education', empowering the students is the thrust area to be addressed in a professional Institution. And I am happy to know that department of Mechanical Engineering is moving towards that goal.

Dr. Y. Manohar

Principals' Message



I feel proud and honor to write this message because this newsletter is the testimonial of the commitment of the department towards the outcome based education and enhanced student-teacher learning process which is in line with the vision and mission of the department. I hope that the department will strive further to improve the quality of the education and bring laurels to the institute.

Dr. P. Venkateswara Rao

HODs' Message



It is happy to bring out this newsletter and the best part of the newsletter is that students bagged many accolades and prizes not only in academics but also in extracurricular activities. This newsletter will provide few examples of achievements of the students and faculty in the academic year 2014-2015. I am looking forward to more success from the department

Dr. K. Eswaraiah

Industrial Tour organized for 3rd Year Mechanical Engineering Students



The Department of Mechanical Engineering, Kakatiya Institute of Technology & Science organised a four day Industrial visit to Toyatatsu Rare Earth India, Rashtriya Ispat Nigam Limited, Bharat Heavy Plates and Vessels in October 2016 for III/IV Mechanical Engineering students.

Vision of the Department

- To be a centre of excellence in Mechanical Engineering, to provide the best teaching-learning and research environment, to produce high quality professionals and entrepreneurs to cater the needs of society.

Mission of the Department

- M1: To impart quality education that builds strong ethical attitude, technical knowledge and professional skills by providing congenial teaching-learning environment.
- M2: To nurture the reasoning, problem solving and research capabilities of learners by providing the state-of-the-art facilities, to meet the changing needs of society.
- M3: To inculcate life-long learning and leadership traits for successful professional careers, by counseling and mentoring.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PE01 : To provide comprehensive knowledge in basic sciences, mechanical engineering and multi disciplinary areas.
- PE02 : To apply modern tools and techniques to design analyze interpret and solve mechanical and allied engineering problems and communicate them effectively.
- PE03 : To impart responsibility towards socio-technical, economical, environmental and energy related issues.
- PE04 : To inculcate professionalism, ethical attitude, team spirit and lifelong learning to achieve career goals.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Engineering Graduates will be able

- PS01 : To apply learned principles and knowledge in various applications of materials, design, thermal, production and industrial engineering.
- PS02 : To model, analyze, design, develop and implement advanced mechanical systems or processes.

Placement Orientation Programmes

- FACE (Focus Academy for Career Enhancement) has conducted soft skills training session during 24.08.2016 to 30.08.2016.



- Technical skill training programme by COIGN from 07.09.2016 to 12.09.2016
- In view of Tech Mahindra drive COIGN had conducted specific training from 15.09.2016 to 16.09.2016 .
- Organized a Specific Training on GD & HR interview aspects by COIGN organization on 21/10/2016 at our Institute.

Campus Placements

- Pool campus drive by Satyam Ventures for 2015 and 2016 passed out batches on 15.09.2016.
- Tech Mahindra campus placement drive on 17.09.2016
- FMC Technologies conducted campus recruitment drive for B.Tech. (Mech. Engg.) students on 26.10.2016.
- L&T Metro Rail, Hyderabad conducted campus drive at our Institute premises on 26.11.2016.
- Medha Servo Drives conducted Pool campus placement drive at our Institute premises on 12/12/2016.

Mechanical Engineering Students Association (MESA) Activities

S.No.	Event Name	No. of Students Participate
1.	Role Play	100
2.	Technical Quiz	150
3.	Guest Lecture	200
4.	Technical Paper Presentation	30
5.	Group Discussion Sessions	100
6.	Mock Interview	70
7.	Cultural Events	200

STUDENTS ACHIEVEMENTS

Number of students placed on campus: 15

Details of students placed on campus:

S.No	Name	Rollno.	Name of Company
1	Nadeem Azhar Shaik	13016T0307	Tech Mahindra
2	Rakesh Neelarapu	13016T0309	Tech Mahindra
3	Md.Jameel Shahid	13016T0324	Tech Mahindra
4	Sreeja Malka	13016T0325	Tech Mahindra
5	M. Arun Prakash	13016T0342	Tech Mahindra
6	Lohith Reddy .S	13016T0352	Tech Mahindra
7	Anvesh Anumula	13016T0358	Tech Mahindra
8	Srikanth Govikari	13016T0367	Tech Mahindra
9	D.Hemanth	13016T0375	Tech Mahindra
10	M. Sharanya	13016T0391	Tech Mahindra
11	K. Sai Pranitha	13016T0393	Tech Mahindra
12	B. Jagadeesh	13016T0417	Tech Mahindra
13	T. Sujitha	M14DE013	Hyundai Motors
14	J. Sujith reddy	M14DE009	Satyam Ventures
15	N. Sharath chandra	M14DE020	Satyam Ventures



Tech Mahindra Selected Students with Dr. K. Eswaraiyah, Head, MED

Galleria: Our Cultural and Technical Events



Eco-friendly car by tech students

The MESA car was designed and fabricated by a team of 10 members under the guidance of Dr. K. Eswaraiyah, Head of MED. They used their own hands...