



JYOTHI ENGINEERING COLLEGE
DEPARTMENT OF
MECHANICAL ENGINEERING
NEWSLETTER

Volume IV, Issue I

January - May 2015

H.O.D's Message



Attitude towards studies is the most important factor that leads to success than the aptitude of a person or the facilities available. Hardworking surely brings better output. Hence the students of mechanical branch are advised to take their attitude in the right direction. Sincere and devoted completion of our duty in time can bring favorable excellent output in all areas of life. From the present mechanical students, we the faculty members expect a very good result in their final semester university examinations, and wish the best of luck.

Department vision: To provide quality education of international standards in Mechanical Engineering and promote professionalism with ethical values, to work in a team and to face global challenges.

Department mission

- To provide an education that builds a solid foundation in Mechanical Engineering.
- To prepare graduates for employment, higher education and enable a lifelong growth in their profession.
- To develop good communication skills and maintain a world class research program in Mechanical Engineering.

Programme Educational Objectives (PEOs)

PEO I: Graduate Engineers shall have strong practical and theoretical exposure in the field of Mechanical Engineering and will contribute to the society through innovation and enterprise.

PEO II: Graduate Engineers shall have global outlook and technological leadership, good employments or opt for higher studies/research and have creative thinking to initiate and develop innovative ideas.

PEO III: Graduate Engineers shall have excellent teamwork, communication and interpersonal skills, having high morals and ethical values.

Students Achievements



Mr. Joel M (S6 ME-B) got 3rd prize in the D-Zone Arts festival for Deshabhakthi ganam



Harish C Nair, S8 ME-A selected as the "Best outgoing student of the year-2015"

Staff Activities



Prof. K.C. John, HOD ME Dept. published a text book titled "Metal Casting and Joining", through PHI Learning (Pages-554, ISBN No.: 978-81-203-5077-9), New Delhi and a meeting was conducted on 11th Feb by college management and staff to felicitate the work.



Sreejith K., Christy V. Vazhappilly, Nice Menachery, Nikhil N.S., Manoj Kumar V.K., Praveen Raj (APME)

published a research paper that had already presented at a National Conference (NCRTE'13), titled "Performance Evaluation of Household Refrigerator using CuO Nanoparticle Lubricant Mixture and various Compressor Oils with Different Condenser Modes" in International Journal of Engineering and Science (IJES), Vol.05, Issue 01, January 2015.



Ajith Krishnan.R, Asst Professor, Mechanical Department published a research paper titled "Structural and Thermal Analysis of Asphalt Solar Collector Using Finite Element Method" in Journal of Energy, Hindawi Publishing Corporation, Article ID 602087, December 2014



T.R.Sreesastha Ram, AP/ME presented a paper entitled "Influence of inter-hole distance and orientation on strength of composite laminae" at International Conference on Material Mechanics and management (IMMM) 2014, at College of Engineering Trivandrum (CET) on 18th December 2014



Sajith U K and Nisha Sherief (APME) attended a short term training program on "Computational Methods in Fluid Dynamics" at GEC Thrissur on 4-6 of March.



Sukesh O P presented a paper entitled "Experimental and Numerical Investigation of Heat Generation during Friction Stir Processing of Copper" at 12th Global Congress on Manufacturing and Management (GCMM) 2014, at VIT University on 8-10 Dec. 2014 and published in Proceedia Engg by Elsevier.

Staff Achievements



Nikhil.N.S (APME) , Akhil Raj V R, Benzer K Timothy, Bovas C Thomas, Clemin C J, Jerin P K (S8 ME-A) published a paper entitled “Machining of an aluminum metal matrix composite using tungsten carbide inserts”, in Int. Journal of Engg and Science[IJES], Volume 4, Issue 3, 2015



Tony Kottoor (APME) took leadership in the professional music band “Thamaraserry Churum” presented in connection with “Tharang -15” cultural activities.

JYOTHI ENGINEERING COLLEGE STAFF TEAM WON FIRST ALL KERALA INTER COLLEGIATE TEACHER’S CRICKET TOURNAMENT FOR K.J. CHACKO MEMORIAL ROLLING TROPHY AND CASH PRIZE OF RS.25,000 ORGANIZED BY GOVT. ENGINEERING COLLEGE, THRISSUR.



JECC STAFF TEAM MEMBERS

Christy V. Vazhappilly,
Nice Menachery,
Melvinraj C.R,
Nikhil N.S,
T.R. Sreesastha Ram,
Ajith Krishnan R,
Arun Raj A,
Cijil B. John
represented the college staff team from the Dept. of Mechanical Engineering.

Christy V Vazhappilly secured the ‘Man of the Match’ award at both Semi-final and final of this tournament.



Departmental Activities



Students of S4 Mechanical-A, along with Mr. Suresh O P and Mr. Cijil B John and two parents went for a study tour on 4, 5 & 6th of December 2014. They visited Volvo Construction Equipment's, Bangalore, S. M. Kannappa Automobiles Pvt. Ltd, Mysore and BEML (Bharat Earth Movers Limited) Mysore.

Two talks on the topic “Nano fluids for heat transfer application” and “Mechanical Vibration” are presented by Associate Professors of Karunya University on 25th March 2015 for Mechanical Engineering Association Members (AMES).



Students Activities



Anup Nair, Jaik Jimmy, Amith Ignitius, Krishna Prasad T S and Jino Joshy of Mechanical Engineering Department attended an International Workshop On “Stress Assisted Environmental Damage On Structural MATERIALS” at IIT MADRAS from 27 February to 2 March 2015.

Asish Simon, Aravind Krishnan, Clemin C J, Tony Kalliath, Rakesh K of S8 ME Participated in Nehru Tech Fest- Project Expo and Presented “Six Stroke Engine” on 4th-5th February

Angelo Thomas, Subin Mohan and Neeraj Bhavdas of S8 ME presented a paper on “Experimental analysis of two stage mechanical oscillator” at MES College of Engineering, Amritha Institute of Science and Technology and AL-Ameen College of Engineering during the month of March 2015.