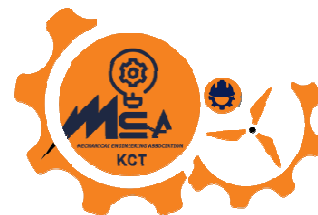




NEWSLETTER

MExpress



Department of Mechanical Engineering, KUMARAGURU COLLEGE OF TECHNOLOGY

Vision: To facilitate mechanical engineering education, research and services that contributes to the advancement of scientific knowledge leading to social development.

Mission: The Department is committed to provide quality education and training with emphasis on engineering fundamentals and applications to the students to be competent professionals with ethics. The department executes research and provides engineering services for sustainable development of society.

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Editor: Dr. V. Muthukumar

Associate Editors: Mr. B. N. Sreeharan, Mr. J. K. Mukilan, Mr. Vishal, Mr. K. Arun

Programmes Organized

- Department organized a road show demo on “3D Experience on Wheels on 15.09.2017.



- Demo was given by Centre on CAD/CAM/CAE/PLM/Digital Manufacturing, DASSAULT Systems. Mr. R. S. Sai Venkatesh, Manager- EDS Technologies Pvt. Ltd. & Experts from DASSAULT Systems gave the demo



- The Demo is about the importance of integrating CAD / CAM / CAE / PLM / Digital Manufacturing in real time practices and its impact on product design development and on product lifecycle management were stressed. Around 75 students from the various departments get benefited.



Dr. P. Sathyabalan, Prof. / ME and Mr. R. S. Mohan Kumar, AP/ME coordinated the event.

- The department also organized a One Day Workshop on “Latest Research and Developments in Composite Materials” on 22.09.2017. Around 250 participants from various engineering colleges in and around Coimbatore participated in the workshop.

The workshop is about advanced composites which are now made using modern materials, which are lighter and stronger than the conventional materials used in the composites.



The workshop also addressed the advanced applications of composites including aircraft structures and expensive sports equipments, etc.



Dr. C. Velmurugan, Prof. / ME and Mr. P. S. Samuel Ratna Kumar, AP/ME coordinated the event.

Conference / Workshop attended

- Mr. B. N. Sreeharan, AP/ME attended a One Day Workshop on Latest Research and Developments in Composite Materials on 22.09.2017 conducted by the Department of Mechanical Engineering, Kumaraguru College of Technology, Coimbatore.

Paper Publications

- Mrs. Sangeetha N, Senior Associate Professor of the department published a paper titled “MODAL ANALYSIS OF MWCNT REINFORCED AA5083 COMPOSITE MATERIAL” in the International Journal of Civil Engineering and Technology (IJCIET), Vol. 8, Issue No. 9, Page Nos. 167-177.
- Dr. S. Balasubramanian, Associate Professor of the department published a paper titled “Design

tapping fixtures for aluminium die casting body in petrol pump” in the International Journal of Innovative Research in Computer Science & Technology, Vol. 5, Issue No. 4.

- Dr. P. Sathyabalan, Prof/ME, Dr. R. S. Kumar, Principal and Dr. S. Balasubramanian, Associate Professor of the department published their paper titled “Prediction of Tensile Strength and Elongation in Hybrid Aluminium Composite using ANN” in the International Journal of Civil Engineering and Technology Vol. 8, Issue No. 9, Page Nos. 249-254.
- Dr. S. Balasubramanian, Associate Professor / Mechanical, Dr. V. Muthukumar, Professor, Dr. P. Sathyabalan, Professor published their paper titled “A Study on the effect of process parameters of laser hardening in carbon steels”, International Journal of Civil Engineering and Technology, Vol. 8, Issue No. 9, Page Nos. 201-207.
- Mr. B. N. Sreeharan, AP/ME published his paper titled “PROCESS OPTIMIZATION OF GMAW OVER AA6351 ALUMINIUM ALLOY USING ANN”, International Journal of Civil Engineering and Technology, Vol. 8, Issue No. 9, Page Nos. 208-218.

Mechanical Engineering Association

The department of Mechanical Engineering, Kumaraguru College of Technology had organized Mechanical Engineering Association Installation 2017-2018 on 07th September, 2017 at Seminar Hall C, Dr. N. Mahalingam Vigyan Bhavan, Kumaraguru College of Technology, and Coimbatore.



Event was inaugurated by Mr. Shyam M Sekharan, Flowserve India Private Limited, Coimbatore.

MECH MASTER

Mechanical Engineering Association has organized an event MECH MASTER to test their skills and knowledge in Technical aspects. It was successfully conducted by Mr. Akilan from III Year B. E. Mech and Mr. Arun K from II Year Mech. 'C' section. MECH MASTER TIER 1 was conducted on 20.09.2017 and MECH MASTER TIER 2 was conducted on 26.09.2017.



The WINNERS are: Mr. Z. VASIF AHAMED-15BME153
And Mr. N.MUHIL THURAN-16BME143

Certification course

The Mechanical Engineering Association is about to arrange a one credit certification course named "Advanced heat transfer and enhancement technique". The duration of the course is 16 hours. The course is being handled by Mr. Ramanathan, Assistant Professor, Mechanical Engineering Department. The course is scheduled from 05.10.2017. The timings of this course: 05:00 p.m. to 06:00 p.m.

Value Added course

The Mechanical Engineering Association had arranged a value added course on Solid and Surface modelling using Solidworks for second and third year students of Mechanical Engineering.



The total duration of this course is 50 hours. The timings of this course is 05:00 p.m. to 07:00 p.m.

Upcoming Events

Mr Mechanic: This event for 3rd and 4th year students consists of 3 Stages held monthly once as detailed below .

STAGE-1: QUIZ

STAGE-2: MODELLING/DESIGNING

STAGE-3: PRODUCTION/FABRICATION

Mech_Master: is an online quiz competition which is going to held twice in a month. Venue and date of the event will be informed soon.

SHOWCASE ME: is an event which is arranged for making the students to have a clear vision about their future business so as to become a successful entrepreneur.

Workshop attended - Students

- Mr. Dharaneesh B from II Year B. E. Mech. 'C' Section and Vaishnavan C from II Year B. E. Mech. 'A' Section participated in a One day Workshop "TANTRA 2K17" conducted by Sri Ramakrishna Engineering College, Coimbatore.
- Mr. Arun K from II year B. E. Mech. 'C' and Mr. Logesh Krishna K from II Year B. E. Mech. 'B' participated in the following workshops conducted by KCT on 22.09.2017 and 24.09.2017 respectively, Latest Research and Developments in Composite Materials and Think of fest
- Mr. Sankar K from II Year B. E. Mech. 'C' participated in composite materials workshop as mentioned above.
- Mr. Rishikesh N from II year B. E. Mech. 'C' Section performed in a Dramatic Competition in Futura, conducted by Bannariamman Institute of Technology, Sathyamangalam during 07.09.2017 to 09.09.2017.
- Mr. Raja Guru S. From II Year B. E. Mech. 'B' section participated in an IC Engines Workshop

conducted by Coimbatore Institute of Technology, Coimbatore on 01.09.2017.

- Mr. Samuel R, Mr. Karthick Viswanathan M, Karthik N from final year 'B' section had attended a GIAN COURSE ON ' AIR POLLUTION CONTROL TECHNIQUES; DESIGN AND DEVELOPMENT" conducted by NIT JALANDHAR during 11.09.2017 to 15.09.2017

Students Achievements

- Quad bike team of KCT won National championship in Quad bike competition. The team also won the endurance test, fuel economy test. They also secured second place in acceleration test, kill the hill test and traction test.
- The event was held at Chandpur near Meerut UP. Cash Award of Rs. 1.6 Lakhs. Quadtorc is an event organised by ISNEE (Indian Society Of New Era Engineers) in which students from various colleges in India build a quad and compete with others in the final event



Congratulations to the student team from Mech and Auto, Mr. Balaji S, AP/ME and Mr. Ramesh Kumar, AP/ME and other who are behind the scenes.

- In RiGathon, Mr. Ponraj and team and Mr. Ilango and Mr. Hari Rajan team from final year Won QUIKR award and best mechanical design award respectively.
- In FESTERMBER 2K17, Mr. Santhosh Kumar P. from final year, Mr. Ajay and Mr. Valliappan from third year, won 2nd prize in Therukoothu and Mr. Santhosh Kumar P won 2nd Prize in kalakal kalata.



Industry Institute Interaction

Mr. MONISH M from IV year B. E. 'B' Section doing a project for M/s Spartan Automation, SIDCO, Coimbatore on Blower Design and optimization for Furnace Applications under the guidance of Mr. Jeeva B, AP/ME .

Placements

- Editors join hands with the students and the faculty of the department to congratulate the following students for getting the placements in M/s. Accenture, Bangalore.

14BME004	Akhil GUNASEKARAN
14BME009	ANTO PRAVEEN ASOKAN J
14BME011	ARAVIND GANESAN S
14BME039	DINESH BABU SEKAR
14BME050	GOWTHAM RAVINDRAN K
14BME060	HERISH SURENDRAN
14BME061	Ilango RAJAGOPAL P
14BME083	MOHAN RAJ GOVINDA SAMY R
14BME087	MUKILAN KAMARAJ T
14BME089	NAGAPPAN PONNIAH
14BME121	SANDEEP KUMAR VENKADA KRISHNAN R
14BME123	Sanjeev Krishnan KUMAR R
14BME124	SANTHOSH KUMAR PARAMASIVAM
14BME137	SHANKARASUBRAMANIYAN
14BME147	Srimath Narayanan SOWMYA V
14BME153	SURAJ Bharthasarathy
14BME158	UDAYA PRASATH MARANNAN D
14BME160	Vasantha Kumar Subramaniam
14BME161	VASANTHAKUMARP PALANIVEL M
14BME166	VIGNESH KR
14BME174	VINOTH KAILASAM RAJASEKARAN
14BME177	YUKENDHAR SANKAR R
14BME224	PAVITHRAN S

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