



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.

Vol. 01 No. 07

For internal circulation only

01.02.2018 – 28.02.2018

Editor: Dr. C. Velmurugan

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

Industry – Institute – Interaction

- Dr. V. Muthukumar, Dr. V. R. Muruganatham, Dr. K. M. Senthilkumar and Mr. P. D. Devan visited M/s. Sakthi Gear Products, Kalapatti, Coimbatore on 21.02.2018 for placement related industrial interactions.
- 12 students enrolled in The Institution of Engineers India as student member on 15.02.2018

Consultancy

- Dr. S. Balasubramanian consulted a project work for G Tech Engineering Company, Coimbatore in preparation of manufacturing drawing for Rs. 4000/-

Conference / Workshop participation

- Dr. N. Sangeetha, Senior Associate Professor participated in AICTE sponsored QIP short Term Training Program on Advances in Petroleum Production Engineering between 29.01.2018 and 03.02.2018.
- Mr. Ayyappan P R, Assistant Professor (SRG) participated in International conference on energy, environment and Industrial safety on 22nd and 23rd February 2018.
- Mr. Sreeharan B N, Assistant Professor attended a Seminar on 'Advances in joining of dissimilar materials in Coimbatore Institute of Engineering and Technology, Coimbatore on 19.02.2018.

- Mr. S. Rajesh, Assistant Professor, Mr. S. Suresh, Assistant Professor, Mr. P. Pradeep, Assistant Professor & Mr. S. B. Nithyananth Assistant Professor (SRG) attended a AICTE Sponsored one-week short term course on Research opportunities & challenges in robotics between 19.02.2018 25.02.2018 in Thiagarajar College of Engineering, Madurai.
- Mr. Jeeva B, Assistant Professor attended a KLDA session 12 - Scientific writing" on 03-02-2018 at Kumaraguru College of Technology, Coimbatore.
- Mr. Jeeva. B., Assistant Professor attended KLDA session 13: "Powerful Slide Presentations" on 09-02-2018 at Kumaraguru College of Technology, Coimbatore.
- Mr. Balaji. S, Assistant Professor, International Conference on Energy, Environment and Industrial Safety on 22.02.2018 & 23.02.2018.

Parents Teacher Meeting

- Department organised A PARENTS TEACHER MEETING on 10.02.2018 For - II, III & IV YEAR MECHANICAL ENGINEERING Students .

Workshop Organized

- Dr. Sreejana, AP/English Department conducted a workshop on enhancing English communication skills for lab technicians of the department on 19.02.2018. Dr. V. Muruganatham and Mr. R. S. Mohan Kumar coordinated the event.



- Guest Lecture on Job opportunities in CAE conducted by Elangovan Kariappan, Regional Representative, NAFEMS, Bangalore. Dr. K. M. Senthilkumar, Mr. S. Rajesh, Mr. P. D. Devan and Mr. P. Karthi coordinated the department.



- Dr. C. Velmurugan, Dr. B. Senthilkumar, Mr. K. Ulaganathan of Mechanical department and Mr. T. Suresh of Mechatronics department organised Training for Roots Engineers on Fluid Power System from 23.02.2018 to 24.02.2018.



- KCT-CPC STUDENT FORUM was inaugurated by Dr. M. Bhavaneswaran, CPC, Governing Body Member and Mr. N. Nagarethnem, Governing Body Member and Chairman Programme Committee of the CPC on 26.02.2018.



Mr. M. A. Vinayaga Moorthi, AP-II/ME and Mr. R. S. Mohan Kumar, AP/ME coordinated the event.

- Department of Mechanical Engineering organised Quad Bike Design Challenge Workshop -Season 3 in association with FMAE in the presence of Mr. Karan Bhardiya, Senior Technical Officer, General Motors Technical centre, Bangalore & Technical officials from FMA on 03.02.2018.



Mr. S. Balaji, AP/ME and Mr. M. Ramesh Kumar, AP/ME coordinated the event.

- Department of Mechanical Engineering organised Certification Training programme on ASNT L-II Non-Destructive Engineering, ASNT Level-III Trainers from BIS on 19.02.2018.



Mr. S. Balaji, AP/ME and Mr. M. Ramesh Kumar, AP/ME coordinated the event.

- Department of Mechanical Engineering organised Certification Training on Digital Prototyping using Autodesk Inventor. Training was given by the Trainers from AUTODESK on 16.02.2018.



Mr. M. Thirumalai Muthukumaran, AP-II / ME and Mr. T. Karuppusamy, AP – II / ME coordinated the event.

Paper Presentations

- Mr. DHARSHAN KUMAR (15BME056) under the guidance of Mr. P. R. AYYAPPAN(AP/Mech) presented a paper in International conference on Civil, Mechanical, Chemical Engineering Technologies - 2018, SVS College of Engineering, Coimbatore on 23.02.2018 & 24.02.2018.
- Mr. S. SIVAKUMAR (AP-II) & Dr. C. Velmurugan presented a paper titled "Design and Development of poultry incubator with phase change materials using Renewable energy" in International conference on Energy, Environment and Industrial Safety (SALVATIO-18) organised by Department of Applied science and Technology, AC-TECH ANNA UNIVERSITY, CHENNAI on 22.02.2018 & 23.02.2018.
- Further a paper on solar Tunnel Air Dryer: A Computational Fluid Dynamics Investigation for Flow Path Design with temperature Distribution Second National Power Engineering Research Scholar's Conference, IIT Madras, Chennai at IIT Madras, Chennai on Feb 24th, 2018.

Industrial visit

- Dr. S. Balasubramanian, ASP/ME and Mr. M. A. Vinayaga Moorthi, AP-II/ME arranged an Industrial Visit M/s. Best Heat Treatment Service, SIDCO, Coimbatore on 05.02.2018 for II-year students.

Mechanical Engineering Association

Mr. Machinist:

The Event was conducted and proceeded regarding the development of the student's flexible thinking on lathe operations and machining to desired shape and dimension from the given workpiece. The Participants were attracted with a winner prize of up to 12,000 Rupees. Event was scheduled at 09:00 a.m. Mr. Manikandan from 3rd year and Mr. Sankar, Mr. Vijaybalaji from 2nd year Coordinated the event on 09.02.2018.



Winners of the event:



Mr. N. Ashraf Khan and Mr. Mohanrangasamy Sriram Government College of Technology, Coimbatore bagged by the cash prize of Rs. 12,000.

- **Melt it Weld it...**

The Event was conducted and proceeded regarding the development of the student's flexible thinking and prediction of the right product with the given clue. This event tests not only the welding ability of the students practically but also theoretically. The Students were attracted with a winner prize of up to 12,000 Rupees. Even was scheduled at 9:00 AM. This event was organized by the Mr. Nethaji Subash from 3rd year and Mr. Rallish Rahuman Khan J from 2nd year.



Winners of the event:

Mr. Nithish from Sri Sakthi institute of engineering and technology won the first prize in the event who was honored with Rs. 12,000/-

• Reach us Mechunt:

The Event was conducted and proceeded regarding test the technical knowledge of the mechanical engineers in the core field and to give practical experience. Even was scheduled at 11:00 AM. This event was conducted by Ms. Prakathi from 3rd Year and Mr. Vasanth from 2nd Year on 10.02.2018.



Winners of the event:

The winner of the event was Team Mechrockz of Sri Krishna College of Technology and runner up was Team loops of PSG Tech, Coimbatore.



• Solutionerise:

The objective of this event is to encourage the budding engineers to think over the current society problem and to give the solution as an engineering view. This event was Organized by Mr. Akilan from 3rd year and Mr. Arun from 2nd year on 10.02.2018.



The winners of the event:

The Winners of the Solutionerise were TEAM Mechons from Government College of Technology, Coimbatore. And Team Synergy from Thiagaraja College of Engineering, Madurai.

• RC Nitro Racing:

The department of Mechanical engineering Kumaraguru College of Technology has organized an event RC NITRO RACING in Yugam 2K18. This event was successfully conducted by Mr. A. S. SANTHOSH and team from 2nd and 3rd year of mechanical department on 09.02.2018



Winners of the event:

The Winners of the event are TEAM MSK RACING and TEAM HSR RACING from Kongu Engineering College, Perundurai who was bagged up with 35000 rupees.



Vasanth from 2nd year coordinated the event on 10.02.2018.



• CNC simulation & Design Coceptio:

The Design Conceptio was conducted and proceeded regarding the development of the student's flexible thinking and prediction of the right material with the given clue along with proper linkage of given materials to the mechanism given at hand. The Students were attracted with a winner prize amount of about 10,000 Rupees. Event was scheduled at 9:00AM. Mr. Eswaramoorthi and Mr. Rudresh from 3rd Year Mr. Murali Krishnan R from 2nd Year organized this event on 10.02.2018



Winners of the event:

Mr. M. Jeeva and Mr. Siva from Coimbatore Institute of Technology, Coimbatore were shared the first two prizes about 10,000 rupees.

• Scrap King:

The Event was conducted and proceeded regarding the development of the student's flexible thinking to reuse the Scraps into useful product and prediction of the right material from scraps given from event with the given clue along with proper assembly of given Scraps to the made a real-world Mechanisms. The Students were attracted with a winner prize of up to 10,000 Rupees. Even was scheduled at 9:00AM. Mr. Mahendran from 3rd year and Mr.

Winners of the Event:

Mr. Manikandan N and Mr. Mohamed Shufiyan M from Coimbatore Institute of Technology, Coimbatore bagged by the Prize amount of Rs. 10,000.

Interesting Metal Facts

- The word "Metal" is derived from Greek word "metallon" which means quarry or to mine or excavate.
- The most abundant metal in the earth: Iron, followed by Magnesium.
- Most abundant metal in the Earth's crust: Aluminium
- 118 Elements are there in periodic table and 91 are metals.
- Other elements possess some of metal characteristics and called as Semi metals or Metalloids.
- Metals know to ancient man: Iron (1500 BC), Copper (9000 BC), Silver (4000 BC), Gold (6000 BC), Mercury (1500 BC), Lead (6400 BC), Tin (3000 BC)
- The metal that melts on the heat of palm: Gallium
- Metals (Alkali) ignite and explode when kept near water: Lithium, Sodium, Potassium and Rubidium.
- None other than the God which is yellow in color.
- 28 grams of Gold can be stretched upto 5 miles.
- 28 grams of Gold can be malleable upto 300 square feet

- Courtesy: B. N. Sreeharan, AP – II/ME

Reach us at:

da.mec@kct.ac.in