



## 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. 08

For internal circulation only

01.03.2018 – 31.03.2018

Editor: Dr. C. Velmurugan, Mr. B. N. Sreeharan

Associate Editors: Mr. J. K. Mukilan, Mr. K. Arun, Mr. Rallish

*"Achievers have an enabling attitude, realism, and a conviction that they themselves were the laboratory of innovation. Their ability to change themselves is central to their success. They have learned to conserve their energy by minimizing the time spent in regret or complaint. Every event is a lesson to them, every person a teacher."*

- Marilyn Ferguson

Editors and faculty members wishes the achievers of the year 2018 and for their life to be in the successful path.

**Achievers Awards 2018**

- Mr. Ponraj from final year Mechanical received the Technical star of the year 2018 in design category in the Founder's Day of KCT.



Mr. PON RAJ K – Technical Star

**Special Recognition Awards 2018**

- Mr. Siva Subramani, Mr. Santhosh Kumar P, Mr. Vedha Viyas G, Mr. Vishnu Priyan B, Mr. Brathikan, Mr. Cibi M, and Mr. Yukendhar G S from final year Mechanical received the Special recognition for 2018.



Mr. SIVA SUBRAMANI K



Mr. Santhosh Kumar



**Mr. Vishnu Priyan B**



**Mr. BRATHIKAN V M**



**Mr. CIBI M**



**Mr. YUKENDHAR G S**

### Club Volunteer Awards



**Mr. DiSilva Raj L for GYM club of KCT**



**Mr. S. Venkateshwaran for VBC club of KCT**



**Mr. P. Senthamil Selvan for Rotract club of KCT**



**Mr. Ajeeth Muralidharan for iQube – Plunge**





**Mr. Sakthi Veeraswar VM for Nature club of KCT**



**Mr. Vignesh Raveendran for Qubate club of KCT**



**Mr. Jenish Sabarinathan J for Garage - BAJA**



**Mr. Dinesh Kumar G for Garage Quad Bike**

### Other Achievers

- Mr. Girish Jeishanker for Music club of KCT
- Mr. Vasanthakumar P for Drama Troupe of KCT
- Mr. Palanisamy K for Yeocraft of KCT
- Mr. Saravanan S for Best Garagian
- Mr. Arjun Pandian A for Supra

### Mahatma Gandhi Merit Scholarship Awards-2018:



#### • First year M. E. Industrial Engineering

1	DAVID ANSON V
2	BHARATH B

#### • Second year M. E. Industrial Engineering

1	ARUN V
2	VEERAPARTHIBAN V

#### • First year M. E. CAD/CAM

1	SAM VIMAL KUMAR S
---	-------------------

#### • Second year M. E. CAD/CAM

1	TRUMAN EDISONRAJ J
2	NAVEEN P T

#### • Second year M. E. Energy Engineering

1	KARTHICK KUMAR K
---	------------------

#### • Final year B. E. Mechanical Engineering

1	TANMAY MUKHERJEE
2	PON RAJ K

3	SABARISH V
4	JANARTHANAN P
5	SHARAN PRAKASH M
6	SRIMATH NARAYANAN S
7	FARUG H
8	BALAMURUGAN M
9	ILANGO R
10	RAMNATH S
11	VEDHA VIYAS G
12	ASWIN KRISHNA M
13	KARTHICK VISWANATHAN M
14	ARAVIND G
15	GOWTHAM R
16	RAVI A L
17	KARTHEKEYAN D
18	SOWNDHAR RAJAN P
19	UDAYA PRASATH M
20	SRI PRASANTH S
21	ALLWIN RAJ J
22	VIJAYAKUMAR K
23	MONISH M
24	SURAJ B
25	GOKULNATH K
26	SERALATHAN S
27	MOHAN RAJ G
28	NAGAPPAN P
29	SARAN S
30	DINESH BABU S
31	RAJARAJAN T
32	DHILIPAN S K
33	RAGURAJ N
34	VIGNESH S
35	DEEPAK ANANDH M B



• **Third year B. E. Mechanical Engineering:**



1	SIVA AADHVAN MK
2	R.SANJAI
3	RAMKUMAR P
4	ARUN RAJ A
5	ARJUN AMBADI
6	DEVA P
7	S.GOWTHAM
8	RAKESH KRISHNAN AR
9	DILLI RAJAN S
10	J N SUDHARSUN
11	V VIJAY
12	HARIKARAN S
13	MANIKANDAN N
14	JAWAHAR D
15	SRIVATHSAN R
16	GAUTHAM SIDDHARTH M
17	BHUVANESH KUMAR K
18	P PRAVEEN
19	S EASWARAMOORTHY
20	V GOKULRAJ
21	S SANTHOSH
22	BS BHARATHI
23	ANJAY VALIYAVEEDU
24	SIKKANDAR ASHIK A
25	BHUVANESWARAN R
26	SARVINNATH B
27	B MANIKANDAN
28	HARI BAALAAJI R A
29	NIVASH KUMAR S
30	MURALI R
31	PRAVEEN KUMAR RA
32	VIJAY A
33	SIVAARAVINDH A
34	GOKULANATHAN.S
35	MAHENDRAN S

• **Second year B. E. Mechanical Engineering**



1	BALAJI P
2	ARUN K
3	VIJAY BALAJI S R
4	DINESH KUMAR N
5	LOGESH KRISHNA K
6	GOWTHAM M
7	ROBIN Y
8	LOKESH KUMAR C T
9	VENKATESH K
10	SANKAR KRISHNAN. B
11	AJITH KUMAR P
12	SUBASH R
13	NIZAANTH R
14	GOKUL ANANDHAN S



15	SANKAR K
16	VIKAS CHODHARY M
17	YUVARAJA V
18	DEEPANPRABU P
19	NARESH. D
20	VASANTHA KUMAR R
21	SANGEETHAPRIYAN R
22	SIBI S
23	GURU S
24	MUTHUMANIKANDAN C
25	HARRISH P
26	MURALIDHARAN B
27	DURAI RAJA K B
28	LAXMANAPANDI B
29	RAGHUL P
30	BARATH IRAIYARUL P
31	NAVEEN N
32	SIDDHARTH .M
33	NAVEEN S
34	YESWANTH SINKA
35	AGNEESH S

• **1<sup>st</sup> year B. E. Mechanical Engineering**



1	RAJESWARAN K S
2	RUSHETHRA P.N
3	RUBAKUMAR K
4	JEYA KARTHICK M
5	SACHINJITH K R
6	SETHUPATHI R
7	KISHOR KANNA S
8	SUSILNATH S
9	NITIN D
10	GOWTHAM S
11	RAAGHUL V
12	ARUN KUMAR A
13	INDIRAJITHU V
14	INBAKUMAR S
15	HARI PRASAD R
16	SOWNTHAR S
17	SOORAJ M S
18	MANISH KUMAR N V
19	KARTHIK KUMARAN M
20	SCARIA N JOY
21	VENKATESH M
22	BALA KUMARESH T
23	KARUPPIAH S B
24	KARAN RAM S
25	SAIRAM V
26	ALEX E
27	RAMESHKUMAR R
28	SETHU Y
29	LOGESH Y
30	RAGHUL K C K

## Industrial Visits

- Dr. S. Balasubramanian, ASP/ME and Dr. V. R. Muruganandam, ASP/ME accompanied II Mech. B students to "CODISSIA" on 06.03.2018.



- A group of 30 students from III Mech. A visited Hindustan Machine Tools in Bangalore on 26.03.2018 and Vishweswaraya Industrial Technology Museum on 27.03.2018 as part of Corporate Immersion Programme.



Mr. P. R. Ayyappan, AP (SRG)/ME and Mr. S. Subbiah, AP/ME accompanied the students.

## Guest Lecture Delivered

Dr. N. Sangeetha, Sr. ASP/ME delivered a guest lecture to the third year Automobile Engineering Students of JCT College of Engineering and Technology in the title of "Vehicle Dynamics" for knowledge sharing in the field of Vibration in automobile engineering. She delivered the guest lecture on 15.03.2018.

## Programmes Organized

To create awareness among students about FMEA, a Seminar on "FMEA" was organized by the department in association with CPC, Coimbatore on 27.03.2018. Mr. Swaminathan, Trainer, CPC, Coimbatore created the awareness.



Mr. M. A. Vinayagamoorthi, AP (II)/ME and Mr. R. S. Mohan Kumar, AP/ME coordinated the seminar.

## Outbound Training

Outbound trainings for the second-year students were conducted as detailed below at Coonoor.

Class	Date	Staff accompanied
II Mech. A	06.03.2018	Mr. V. Manivel
	-	Muralidharan
II Mech. B	08.03.2018	Dr. A. P. Arun
	-	Mr. K. Krishnamoorthi
II Mech. C	08.03.2018	Mr. P. Prasanth
	-	Mr. S. Rajesh
II Mech. C	10.03.2018	Mr. S. Suresh
	-	
II Mech. C	13.03.2018	Mr. S. Sivakumar
	-	Mr. M. A. Vinayagamoorthi
II Mech. C	15.03.2018	Mr. B. N. Sreeharan
	-	

## Workshop Participation

Mr. S. Sivakumar, AP (II)/ME and Mr. R. S. Mohankumar, AP/ME participated in an One-day workshop on INTELLECTUAL PROPERTY RIGHTS AND INNOVATIONS at Coimbatore Institute of Technology, Coimbatore on 24.03.2018.

## Paper Presentation

- Dr. C. Velmurugan presented following papers in the International conference on Engineering and Advancement in Technology held on 22<sup>nd</sup> and 23<sup>rd</sup> March 2018 conducted by and at Sri Krishna College of Technology, Coimbatore in association with Organization of Science and Innovative Engineering and Technology (OSIET), Chennai.

- “Characterization of wear and frictional behaviour of Ti6Al4V under dry sliding condition”
- Design and Fabrication of Compressed Air Vehicle
- Design and Analysis of Multi-Nozzle Air Propelled Turbine Engine.
- Dr. M. Balaji published a paper entitled “FUZZY TOPSIS APPROACH IN ISM FOR SUPPLY CHAIN INTEGRATION” in the Global Journal of Pure and Applied Mathematics. ISSN 0973-1768, Volume 13, Number 6 (2017).
- Dr. Balaji also published An Application of Analytic Hierarchy Process in Vehicle Routing Problem in Periodica Polytechnica Transportation Engineering.
- Mr. Samuel Ratna kumar. P. S, published a paper titled “Design and fabrication of an economical coconut Dehusking machine” in the International Journal of Engineering and Technology (UAE), Volume 7 (2.8), 2018, 588 - 591.
- Dr. R. Arvind Singh, Dr. S. Jayalakshmi, et al presented a paper titled ‘Influence of Protective Mesh on Propeller Thrust’, International Conference on Aeronautics, Astronautics and Aviation (ICAAA 2018), Dhanalakshmi Srinivasan College of Engineering and Technology, Chennai, India, 23-24 March 2018.
- Dr. S. Jayalakshmi, Dr. R. Arvind Singh et al presented a paper titled ‘Effect of Matrix Properties and Sliding Counterface on the Wear Behaviour of Magnesium Alloy-Based Metal Matrix Composites’, International Symposium on Metal Matrix Composites: Innovations, Advances and Applications, 147th TMS Annual Meeting, Phoenix, Arizona, USA, 11-15 March 2018.
- Mr. S. B. Nithyananth has presented and published a paper titled “An Experimental Analysis of Hybrid-Pyramid type Solar Desalination with Concentric Parabolic Collector (CPC)” in the International Conference and in the International Journal of Advance Research in Science and Engineering, held during 16<sup>th</sup> and 17<sup>th</sup> March 2018 at Dhaanish Ahmed College of Engineering.

### Student Achievements:

- Mr. Akilan K, Mr. Naveen V, Mr. Murali R from third year mechanical presented a paper titled “Design and Analysis of Multi Nozzle Air Propelled Turbine engine” in “The International Conference on Engineering and Advancement in Technology” held on 23rd March 2018 in Sri Krishna College of Technology, Coimbatore.
- Mr. Lokesh Sekar R, Mr. Vasif Ahamed, Mr. Rudresh SK from third year of Mechanical presented the paper titled “Characteristic and wear analysis of Ti6Al4V” in “The International Conference on Engineering and Advancement in Technology” held on 23rd March 2018 in Sri Krishna College of Technology, Coimbatore.
- Mr. Selva Kumar, Mr. Venkateshwaran S, Mr. Senthamil Selvam presented a paper titled Corrosion and magnetic characterization of electroplated NiFe and NiFeW soft magnetic thin film for MEMS application” in “International Conference on Engineering Materials, Metallurgy and Manufacturing-2018” held in SSN college of Engineering, Chennai.
- Mr. Praveen Kumar I, Mr. Bharathi BS, III Mech. students presented a paper titled “Additive Manufacturing” at IIT Madras on 10th and 11th march 2018 and “Internet Based Reverse Engineering “at Sri Ramakrishna Engineering College, Coimbatore.
- Mr. Manikandan, Mr. Santhosh from third year mechanical presented a paper and secured first prize in title of “Functioning and improve the efficiency of turbines” in IIT madras on 10th and 11<sup>th</sup> March 2018.
- Mr. Sivasankar M, Mr. Karthick S from third year mechanical had secured first prize in the “Triathlon” conducted by IIT Madras on 10th and 11<sup>th</sup> March 2018.
- Mr. Arun K, Mr. Gokul Anandhan, Mr. Nikil kumaar, Mr. Gautham Raaj Kumar, Mr. Ganesh, Mr. Ragupathi, Mr. Prabhu Shanker from 2<sup>nd</sup> year Mechanical completed a certification course on “Finance for engineering” conducted by the KCT-BS.

Reach us at:

[da.mec@kct.ac.in](mailto:da.mec@kct.ac.in)