

## NEWS LETTER\_MECHANICAL ENGINEERING\_2018-19

### About the Department



Mechanical Engineering Department at KSSEM activated with the initiation of the college in 2010 with a vision to deliver world-class under-graduate and graduate Engineering education to the society. The curriculum includes the courses like Thermodynamics, Fluid Mechanics, Strength of Materials, Heat Transfer, Manufacturing Processes, Mechanical and Thermal Design, Finite Element Analysis, and System Dynamics. Students also acquire knowledge through various engineering electives in advanced topics including, Theory of Elasticity, Non-Traditional Machining, Composite materials, Theory of Plasticity, Experimental Stress Analysis, Tool Design, and Agile Manufacturing. The structure of the program includes laboratory experiments with respect to the academic syllabus where students go through a live experience with advanced machining, manufacturing, and experimental techniques. The laboratory experience reinforces content presented in the courses and provides students with an opportunity to involve themselves individually with the support of faculty and technical support staff. The acquaintance of the students along with an exposure to industrial scenario is achieved by periodically organizing Conferences, Workshops, Seminars and Industrial visits. The faculty members have proved their competences by guiding students with live projects that were sponsored by Research Institutes. The Research and Development in the Department is well backed by research work done by faculty research scholars in coordination with Principal, Dr. K Ramanarasimha and Head of Department, Dr. B Balaji.

## Department Activities

### **TECHNICAL TALK ON RECENT TRENDS IN RESEARCH OPPORTUNITIES**

Under MECHTRIX FORUM, a technical talk was organized on 14 September 2018 for the students of 3rd and 5th semester. The talk was delivered by Dr. K Gopala Krishna, Principal, Jyothy Institute of Technology, on Research Opportunities in Multidisciplinary / Emerging Technologies. Newer and advanced areas of Research in the field of Thermal, Design, and Manufacturing were detailed to the students with examples. Place: Civil Auditorium, Date: 5<sup>th</sup> September 2018



### **FDP AT INDIAN MACHINE TOOL MANUFACTURERS' ASSOCIATION, BANGALORE INTERNATIONAL EXHIBITION CENTRE, (BIEC)**

The four faculty of Mechanical Engineering, KSSEM Bengaluru has attended FDP on Industry Institution Interactive Meet-2018 at BIEC Bengaluru. It was very helpful to explore the interaction between the industries and the education institutes. The faculties can be able to teach the students regarding the topic. The students can analyse how the correlate the present study with the industries can and how industries work, students can explore themselves to industries.



### **CAREER GUIDANCE PROGRAM**

The Department of Mechanical Engineering had arranged career guidance program for 3<sup>rd</sup> and 4<sup>th</sup> year Students on 24<sup>th</sup> September 2018. The resource persons were Mr. Pavan Kumar and Mr. Bharath Hemanth, the alumni of our department. They discussed the challenges faced and preparedness with respect to the placements. They also briefed the ideology behind the entrepreneurship.

Mr. Bharath completed his master's in Aircraft Design from Ramaiah University pursued his dream of being an entrepreneur.

Mr. Pavan Kumar presently working as Quality Assurance Engineer for Toyota Industries Engine India. During his tenure, he has visited Toyota dealerships in many parts of the country addressing engine related customer complaints and is currently supporting Toyota vehicle plants in Thailand being an on-site customer quality engineer.



### **WALKATHON - FOR SPREADING THE AWARENESS ON PREVENTING THE DRUG**

To promote the awareness on the ill effects of drugs abuse, the Bengaluru city police had organized a walkathon in Lalbagh on 29th of September 2018 from 6 am to 8 p.m. Volunteers from NSS wing of KSSEM had taken part in this event. They also interacted with the locals and sought their help to stop the menace from widely spreading amongst the younger generation.



### **TECHNICAL TALK ON HAZARDS CAUSED BY PLASTICS**

Dr. Lakshmi Narayana Bhatta a researcher and professor at BMSCE was invited for a technical talk on the debatable topic “despite of the hazards created by plastic should their use be still continued or should it be put to a halt”. The Technical talk was conducted on 29/09/2018 for the students of 5<sup>th</sup> SEM and 3<sup>rd</sup> SEM in the civil auditorium. Students took the opportunity to interact with the spokesperson and share his experience in this field.





## FREASHER'S DAY CELEBRATION @ KSSEM

The fresher's day has been celebrated in the Mechanical Engineering Department to welcome the first-year students and third semester students to the Department. Fifth and seventh semester students have organized it. Students enjoyed lot in the function and wish all the fresher's to the Department.



## WORKSHOP ON HEATING VENTILATION AND AIR CONDITIONING

Department of *Mechanical Engineering* organized 3 days of workshop on “Heating Ventilation and Air Conditioning” in April 2019 for 2<sup>nd</sup> and 3<sup>rd</sup> year students. The session was conducted by Farheen Farhath, Prinston Smart Engineers.



## INDUSTRIAL VISIT TO WALVOIL ON 18/10/2019

The Mechanical Department has arranged for the Industrial visit for 5th semester students on 18/10/19 to “WALVOIL.” at Attibele Industrial area, Bangalore. The company as arranged for the presentation regarding the company, Manufacturing of Direction control valves, Pumps, and the visit to the processing unit. The visit was helpful to enhance the knowledge about the valves and pumps working and manufacturing of the component. The Principal, HOD and Faculty of Mechanical Department of KS School of Engineering and Management wholeheartedly thanks to the “WALVOI.” for giving an opportunity for the visit.



## Industrial visit to Di-FACTO Robotics and Automation Pvt. Ltd. On 21/10/2019

The Mechanical Department has arranged for the Industrial visit for 7th semester students on 21/10/19 to “DiFACTO Robotics and Automation Pvt. Ltd.” at JP Nagar, Bangalore. The company as arranged for the presentation regarding the company, simulation of the Robots and followed by Robot demo. The visit was helpful to enhance the knowledge about the mechatronics system and simulation of robots. The Principal, HOD and Faculty of Mechanical Department of KS School of Engineering and Management wholeheartedly thanks to the DiFACTO for giving an opportunity for the visit.





## FUNDED PROJECTS





SL NO.	NAME OF THE FACULTY	KSCST 42 <sup>ND</sup> SERIES PROJECTS
1	Dr. JYOTHI P N	Solar Powered Water Purification Using a Natural Coagulant project had been selected for State level Presentation, KSCST-42 <sup>nd</sup> Series and got Rs 6000 initial fund.



## Faculty Achievers

SL NO.	NAME OF THE FACULTY	PHOTO	ACHIEVEMENTS
1	Dr. JYOTHI P N		100 % RESULT IN NON-TRADITIONAL MACHINING (17ME554) 100 % RESULT IN FINANCE MANAGEMENT (17ME743) 100 % RESULT IN OPERATION RESEARCH (15ME81)
2	Mr. HARSHA.J		100 % RESULT IN FLUID POWER SYSTEM (15ME72)










3	Mr. AKASHDEEP B N		100 % RESULT IN TRIBOLOGY (17ME742)
4	Mrs. AVILASHA B G		100 % RESULT IN MECHATRONICS (15ME753)
5	Mr. PRABHU K S		100 % RESULT IN ENERGY ENGINEERING (15ME71)
6	Mr. PRAVEEN P H M		100 % RESULT IN MACHINE TOOL OPERATIONS (17ME45B)
7	Mr. GANESH ARJUN		100 % RESULT IN TOTAL QUALITY MANAGEMENT (15ME664)
8	Prof.NAGARAJ M		100 % RESULT IN ADDITIVE MANUFACTURING (15ME82)

## Student Achievers

### Class Toppers







SEMESTER	CLASS TOPPER	PHOTOS	NAME	USN	%
I	1		DHANUSH V	1KG18ME004	63

	2		THARUN ADHITHYA C R	1KG18ME011	61
II	1		MOKSHITH P M	1KG18ME008	66
	2		AKASH P G	1KG18ME001	60
III	1		SHRIKAR S	1KG17ME035	77
	2		R YASHWANTH	1KG17ME025	75
IV	1		R YASHWANTH	1KG17ME025	78
	2		G KARTHIK	1KG17ME013	72



V	1		PRATHEEK BABU J	1KG16ME032	74
	2		SAJITH RAJAMOHAN	1KG16ME044	73
VI	1		PRATHEEK BABU J	1KG16ME032	77
	2		CHANDRASHEKAR M M	1KG16ME010	74
VII	1		NIKHILESH R P	1KG15ME028	84
	2		SHREYAS S	1KG15ME048	80
VIII	1		SHREYAS S	1KG15ME048	91
	2		RAKSHITH P	1KG15ME037	88

## STUDENTS WHO GOT PLACEMENT

SL NO.	PHOTO	NAME &USN	COMPANY
1		CHETHAN KUMAMAR A 1KG15ME013	TCS
2		RAKSHITH P 1KG15ME037	INFOSYS
3		SANTHOSH KUMAR S 1KG15ME043	QSPIDER
4		SENTHIL KUMAR 1KG15ME045	QSPIDER & 5PAISA.COM
5		SREE PRAVEEN 1KG15ME049	QSPIDER
6		SUMANTH BHARADWAJ 1KG15ME050	QSPIDER