

K S SCHOOL OF ENGINEERING & MANAGEMENT

DEPARTMENT OF MECHANICAL ENGINEERING

NEWSLETTER -2016/17



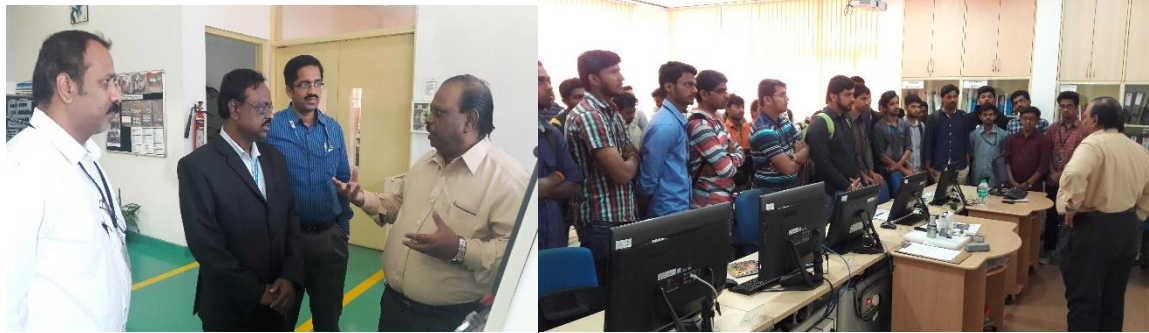
About the Department

The Mechanical Engineering Department was initiated by Kammavari Sangham in the year 2010 with a vision to deliver world-class under-graduate and graduate Engineering education to the society. The department offers undergraduate BE program in Mechanical Engineering and M Tech Program in “Engineering Analysis & Design” .For under graduate program the courses like Thermodynamics, Fluid Mechanics, Strength of Materials, Heat Transfer, Manufacturing Processes, Mechanical and Thermal Design, Finite Element Analysis, and System Dynamics needs to be studied. The Students are also offered elective courses on advanced topics like Theory of Elasticity, Non-Traditional Machining, Composite materials, Theory of Plasticity, Experimental Stress Analysis, Tool Design, Automation in Manufacturing and Agile Manufacturing. The structure of the program also includes laboratory experiments with respect to the academic syllabus where the students go through a live experience with advanced machining, manufacturing, and experimental techniques. The laboratory experience provides students with an opportunity to involve themselves with the support of faculty and technical support staff individually for deeper understanding on the subject. The students are also get exposed 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 the various Research Institutes. The Research and Development in the Department is well backed by research work done by faculty research scholars in coordination with Dr. S N Sridhara, Principal and Dr. Shailesh Rao, Head of Department.

Department Activities

Industrial Visit to KGTTI, Bangalore

Karnataka German Technical Training Institute (KGTTI) is established by Karnataka German Multi Skill Development Centre (KGMSDC) society. The primary mission of the Training Center is to conduct a broad based multidisciplinary vocational training in various Industrial Technical Fields, directed towards the development of skills and trades and to become a world class training center that represents specialized trade training programs in alignment with the Industry requirements across the globe. The final year students visited Karnataka German Technical Training Institute (KGTTI) CoE Building, Bannerughatta Road, Bengaluru on February 14, 2017



Industrial Visit to KGTTI, Bangalore

Mechanical Engineering students of 8th Semester visited the Industrial Training Centre IMTMA @ Bangalore International Exhibition Centre (BIEC), Bangalore on 10 March 2017. Mr Bharath Kumar.M, Assistant Professor accompanied the students.



Mechanical Engineering students of 6th Semester visited the Industrial Training Centre @ Bangalore International Exhibition Centre (BIEC), Bangalore accompanied by Dr S N Sridhara,

Principal, Dr Shailesh Rao A Head of the Department and Mr Santosh Kumar K, Assistant Professor.

Open Day @ IISC

The Mechanical Engineering students of 4th & 6th Semester visited the OPEN DAY Event at IISC on 4th March 2017.They were accompanied by Mr Ganesh Arjun Bhargav, Assistant Professor and Mr Karthik. B.M, Assistant Professor, Department of Mechanical Engineering.



Annual Sports Day Winners 2017

The K S Group of Institutions had organized Annual Sport Meet on 18 February 2017 at UCPE Stadium, Gnanabharathi, Bangalore .The Mechanical Engineering Department emerged as Winners of the Rolling Trophy.



Aarohana 2017

The Mechanical Engineering Department students are the Winners of the Fashion Show at “AAROHANA” college fest for the year 2017 held on 25th March 2017 at K S School of Engineering & Management.



Activities under MECHTRIX Forum

Technical Talk on Digital Designing & Rapid Prototyping

A Technical Talk was organized on August 18, 2016 in the Department for 7th Semester students. Mr RAJENDRA.K, Corporate Consultant from VEDA Technologies & Innovations, Bangalore addressed the gathering. He enlightened them regarding the modern trends in design field and application of Rapid Prototyping were demonstrated by them during the session.



CADD Quiz Program

CADD Centre, BSK 3rd Stage, Bangalore had conducted a National Level Quiz Program 'ENGINEERIA' for final year students of Mechanical Engineering on 27 September 2016. The students' whole heartedly participated in the event.

Fresher's Party

The 1st semester students of 2016 batch were received by 3rd semester students of Mechanical Engineering Department through a welcome **function** organized on 26th August 2017 in Kaviratna Kalidasa Auditorium. The program began with a cake cutting event done by the staff, followed by a briefing session about the departmental activities by **Dr. A. Shailesh Rao**, Head of the Department. Several games, invited songs and dance kept the students on their toe and a milieu of brotherhood was generated amongst the students.



Farewell Party

A Happy Farewell Party. Saying goodbye is one of the hardest things in life. It is a farewell to the beloved students who are leaving the Department after 4 years of Journey in their Mechanical Engineering Life. The Students & Faculty of our Department had arranged Farewell Party to the outgoing Students of 2013 Batch on 19 May, 2017. Our Principal, HoD & Faculty wished the

students fraternity for their bright future. Few students shared their memories and expressed their opinions during their stay in the Department.



ACHIEVERS

Faculty Achievers



Dr. S.N. Sridhara

Project entitled, **‘Design, fabrication and testing of arecanut tree climber’** **“BEST PROJECT”** for the year 2016-17, carried out by 8th semester students, under the guidance of Dr.S.N.Sridhara, Principal, KSSEM.



Dr. P. N. Jyothi

- Project entitled, **“Performance Evaluation of Nano based Bio-oils as cutting fluids for Drilling operation of Mild Steel”**, has been selected for Sponsorship by **KSCST** for the year 2016-2017 under the guidance of Dr Jyothi.P.N
- Dr P.N.Jyothi attained 100% result in the subject “Non Traditional Machining” for 6th semester students



Mr Hareesh .A

Mr. Hareesh. A attained 100% result in the subject “Automotive Engineering” for 8th semester Mechanical Engineering for 2012 batch & “ Computer Aided Engineering Drawing” for 2nd semester Electronics& Communication Engineering students.







Mrs Alam Radhika

Mrs Alam Radhika attained 100% result in the subject “Computer Aided Engineering Drawing” for 2nd semester Electrical & Electronics Engineering students.



Mr.Prashanth.J

Mr. J. Prashanth attained 100% result in the subject “Engineering Economics” for 7th semester students.

 <p>Mr.Harsha.J</p>	<p>Mr. Harsha.J attained 100% result in the subject “Hydraulics & Pneumatics” for 7th semester for 2013 batch & “Computer Integrated Manufacturing” for 6th Semester students.</p>
 <p>Mr.Akashdeep.B.N</p>	<p>Mr. Akashdeep B. N. attained 100% result in the subject “Experimental Stress Analysis” for 7th semester Mechanical Engineering for 2013 batch & “Tribology” for 8th Semester students for 2012 batch.</p>
 <p>Mr.Santosh Kumar K J</p>	<p>Mr. Santhosh Kumar K J attained 100% result in the following subjects “Elements of Mechanical Engineering” for 1st semester BE (EEE) & “ Mechanics of Composite Materials” for 6th Semester students.</p>
 <p>Mr Bharath Kumar.M</p>	<ul style="list-style-type: none"> ➤ Mr. Bharath Kumar.M attained 100% result in the subject “Agile Manufacturing” for 7th semester students. ➤ Project entitled, “Design & Fabrication of Paddy Seedlings Trans planter by using Crank & Lever Mechanism”, has been selected for Sponsorship by KSCST for the year 2016-2017 under the guidance of Mr Bharath Kumar.M



Mr Vinod .A

Mr.Vinod.A successfully completed & Secured ELITE Grade in the 'Introduction to Fluid Mechanics' online certification course by NPTEL during the year 2016-17

Publications from Faculty

PAPERS PUBLISHED IN INTERNATIONAL JOURNAL

1. Shailesh Rao A, "Effect of rotational Speed in Vertical centrifugal casting on wear properties of obtained aluminium tubes", Iranian Journal of Science and Technology, Transactions of Mechanical Engineering,2017
2. Shailesh Rao A , Yuvaraja Naik, "Effect of the Metal Transport on the Mechanical Properties of Al-2Si alloys processed through Friction Stir Welding Processes" , Metallurgical and Materials Transactions B (manuscript is accepted for publication on February 14, 2017)
3. Shailesh Rao A , Yuvaraja Naik, "Comparison on Appearance, Microstructure and Tensile properties during Friction Stir Welding Processes of Al-Si alloys" ,(reference number 348, will be published in, The physics of metals and metallography, issue № 7, volume 118,2017.
4. P.N. Jyothi ,et al, Physical Properties of Bio-oils used as cutting fluids during drilling operation of Mild steel, Journal of Advanced Research in Mechanical Engineering and Technology, Vol 3, No 4 ,2016(ISSN: 2454-8650)
5. Mr. Hareesh. A has published an International Journal titled "Synthesis and Characterization of Biodegradable Polymer Nano composite" in International Journal of Advanced Research in Engineering & Management (IJAREM).

PAPERS PRESENTED AT INTERNATIONAL CONFERENCE

6. P.N. Jyothi ,et al, "Influence of non-edible vegetable based oil as cutting fluid on chip, surface roughness and cutting force during drilling operation of Mild Steel", Advances in Materials and Manufacturing Applications (IConAMMA 2016)" 14th - 16th July, 2016, Amrita Vishwa Vidyapeetham University, Bangalore.

7. P.N. Jyothi ,et al, “Performance evaluation of NEEM oil and HONGE oil as cutting fluid in drilling operation of mild steel”, International Conference on Innovative and Smart Materials- ICISM 2016, Dec 26-28,2016, Singapore

STUDENT ACHIEVERS

 <p>Mr GURUPRASAD</p>	<p>Mr.GURUPRASAD.B.G bearing USN 1KG12ME018, from our Department has secured 5th Rank (83.59 %) in the Visvesvaraya Technological University for the academic year 2015-2016.</p> 
	<p>The following students Mr. Madhu M, Mr. Ravindra.R & Mr Dhanraj.S proposed Project entitled, “Performance Evaluation of Nano based Bio-oils as cutting fluids for Drilling operation of Mild Steel “ for KSCST and was awarded for technical grant the year 2016-2017 .The project was proposed under the guidance of Dr. Jyothi.P.N.</p>
	<p>The following students Mr. Chandrashkar B, Mr. Aneel Kumar Mr. Manuraj & Mr. Poornachandra T K proposed Project entitled, “Design & Fabrication of Paddy Seedlings Trans planter by using Crank & Lever Mechanism”, for KSCST and was awarded for technical grant the year 2016-2017 .The project was proposed under the guidance of Mr Bharath Kumar M</p>



The students Mr. Shreya, Mr. Govindaraju, Mr. Prajwal Gadiyar & Mr. Chandan H proposed and exhibited Project entitled, ‘**Design, fabrication and testing of arecanut tree climber**’ “**BEST PROJECT**” for the year 2016-17, carried out by 8th semester students, under the guidance of Dr.S.N.Sridhara, Principal, KSSEM.

CLASS TOPPERS

2013 Batch

Semester	1 st Topper		2 nd Topper	
	Name	Percentage	Name	Percentage
I	Govindaraju	74.58	Sachin Gowda	71.74
II	Shiva	78.83	Shreyas	76.38
III	Balaji	69.33	Shreyas	67.44
IV	Shreyas	73.33	Shiva	71.33
V	Shreyas	76.22	Shiva	72.44
VI	Shreyas	73.22	Chandan.H	73
VII	Shiva	77.22	Shreyas	76.66

2014 Batch

Semester	1 st Topper		2 nd Topper	
	Name	Percentage	Name	Percentage
I	Korapati Poornakumar	74.96	Akshay S Bhardwaj	70.66

II	Akshay S Bhardwaj	78	Korapati Poornakumar	77
III	Korapati Poornakumar	82	Akshay S Bhardwaj	73
V	Korapati Poornakumar	76.22	M.Chaitanya Kumar	68.78
VI	Korapati Poornakumar	77.33	Srikanth S	73.11





2015 Batch



Semester	1 st Topper		2 nd Topper	
	Name	SGPA	Name	SGPA
I	Shreyas.S	8.58	Anil Kumar.K	8.50
II	Anil Kumar.K	8.83	Shreyas.S	8.75
III	Neeraj.S.G	8.57	Anil Kumar.K	7.93

2016 Batch

Semester	1 st Topper		2 nd Topper	
	Name	Percentage	Name	Percentage
I	Suresh.A	8.33	Chandrashekar M M	7.67

Students placed from Outgoing Batch

Photo	Name	Company
	Chandan.K.M	Tech Mahindra Amazon Web Service ASAP
	R Devivaraprasad	Amazon Web Service Alpha 9 Marine Sigmoid
	Praveen.R	ASAP
	Punith.V	Alsbridge Advisory Pvt Ltd

	<p>Saivenkatesh</p>	<p>Alpha 9 Marine</p>
	<p>Sumanth K Poojary</p>	<p>Tech Mahindra</p>

Student Group Photo





Faculty Group Photo



