

**KSR INSTITUTE FOR ENGINEERING
AND TECHNOLOGY**



Department of Mechanical Engineering

DEPARTMENT NEWSLETTER

VOLUME 2

ISSUE 2



ACADEMIC YEAR 2015 - 2016

KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY

Vision

To become a globally recognized Institution in Engineering Education, Research and Entrepreneurship.

Mission

IM1	Accomplish quality education through improved teaching learning process
IM2	Enrich technical skills with state of the art laboratories and facilities
IM3	Enhance research and entrepreneurship activities to meet the industrial and societal needs

DEPARTMENT OF MECHANICAL ENGINEERING

Vision

To produce globally recognized Mechanical Engineers and Entrepreneurs to meet the industrial challenges with ethical values.

Mission

DM1	Impart quality education in Mechanical Engineering through enhanced teaching learning process.
DM2	Provide platform to apply and analyze the engineering concepts with state of the art laboratories.
DM3	Augment the technical knowledge among students and faculty members through research activities to meet industrial and societal needs.

Program Educational Objectives (PEOs)

PEOs	Keywords	Description
PEO1	Core Competency	Graduates will adopt technological changes in core and allied areas of Mechanical Engineering.
PEO2	Professionalism	Graduates will have leadership quality with soft skills to excel in their professional career.
PEO3	Higher Studies and Entrepreneurship	Graduates will evoke interest in higher education and develop entrepreneurial attitude for ever changing industrial and societal environment.

CHAIRMAN MESSAGE



Lion Dr. K.S. Rangasamy, MJF
Founder-Chairman, K.S.R. Group

Greetings! I welcome you all whole heartedly to our institution. The K.S.R. Institute for Engineering and Technology as started with the aim of imparting quality education to all. We give top priority to discipline and knowledge. The Institution provides the necessary infrastructure and a team of qualified and motivated faculty all under one roof of the student community. We have created an excellent educational atmosphere. Added to this to encourage sports activities among the students, we are offering a

modernized environment suited to international standards. Our placement cell is well associated with industry and has an excellent track record. We warmly welcome the young aspiring students to be a part of us while learning, and pass out successfully as valuable citizens. We assure that your stay at KSR institutions and your study here will be pleasant experience. Hoping to meet you in person.

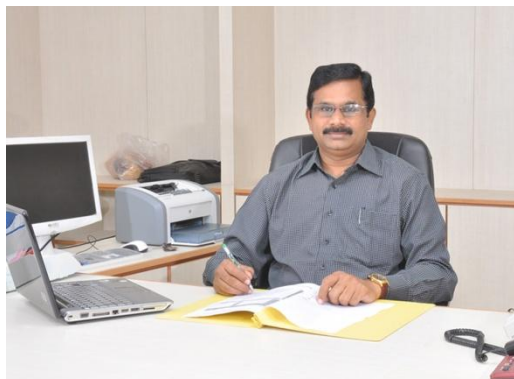
SECRETARY MESSAGE

Engineers play the most vital and important role in nation building. They create new inventions using best engineered technologies to make human life more comfortable, secure and productive. In modern times, nations which have rich engineering and experienced management domains are flourishing economically and are providing better lives to their people. We have excellent potential to grow in diversified areas and excel in engineering and management fields. We need enormous number of engineers and managers to write next story

of success. The essence of engineering and management education which has spread in India is a very positive sign not only to cater domestic needs but provide man power to the entire world and become biggest technically trained community. KSR INSTITUTE FOR ENGINEERING AND TECHNOLOGY is a venture contributing to this endeavour. We started with full force to play a leading role in providing quality education and careers. We have identified the needs of modern engineering, technology and management education for modern age students, with a vision and mission accompanying transparency, accountability and accessibility which keeps us abreast and also ahead of our competitors.



Thiru R. Srinivasan, B.B.M., M.I.S.T.E.,
Managing Trustee



DR. M.VENKATESAN M.E., Ph.D.
PRINCIPAL
KSR INSTITUTE FOR ENGINEERING AND
TECHNOLOGY

In today's technological world, every aspiring engineer comes to the college with great dreams of excelling the roles of Team Player, Team leader and eventually becoming an industrial leader. We at KSRIET take care of the physical and intellectual needs of the students with a well qualified and dedicated team of faculty members in Department of Mechanical Engineering. Our competent team of staff members support our students to achieve emotional stability by exposing them to personality development & Career advancement programs. Understanding the responsibility, let us all work together to create a new and better livable world by learning good practices at KSRIET and implementing them in an ethical way.

I wish you a very happy and academically highly rewarding student life in Mechanical Department of KSRIET and hope that you will be your good deeds enhance the pride and prestige of this prestigious institution.



DR. P.MURUGESAN M.E., Ph.D.
HEAD OF THE DEPARTMENT
MECHANICAL

A warm and affectionate welcome from the Department of Mechanical Engineering at KSRIET. Mechanical Engineering is a professional Engineering discipline that deals with the design, construction and maintenance of the physical and naturally built environment.

Our Department has a team of qualified and experienced faculty and staff members and we are striving hard continuously to improve upon the quality of education and to maintain its position of leadership in engineering and technology. We always work with the motto "Nothing can be achieved without genuine effort". The core values of the Department help the student to develop their overall personality and make them worthy technocrat to complete and work at global level. Our Department has been conducting seminar/conference since its beginning to keep the faculty and students abreast with the latest developments in the field of technical education.

I am certain that our students will prove to be an invaluable asset to an organization.

EDITORIALS



- KSR Institute for Engineering and Technology is on its 5th year. Being the pioneers in Engineering Education, our chairman, Lion Dr. K.S. Rangasamy, always wanted the Institution to be a model institution and working towards it.
- In this year of release, the editorial board cordially records its gratitude and indebtedness to the management for these novel practices.
- With congratulation to the outgoing engineers, we wish the students for a successful ensuring academic year. I expect more cooperation and commitment from the students which will eventually lead them for a better future.

EDITORIAL BOARD

CHIEF PATRON

Lion K.S.RANGASAMY
(Founder & Chairman)

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(Managing Trustee)
Dr. M. VENKATESAN
(Principal)

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Dr. M.RAJARAM NARAYANAN, Prof/Mech

STUDENT EDITOR

Binosh J (IV - Mech)
Sasikumar J (III - Mech)
Arun A R (II - Mech)



CONTENT

-  ASSOCIATION ACTIVITIES
-  MERF TALK
-  SEMINAR
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-  ALUMINI INTERACTION
-  PLACEMENT

ASSOCIATION ACTIVITIES

Programme Name :

Technical seminar

Resource Person

Mr.M.Prabhu

AP/Mech, KSRIET

17.02.16

Programme Name :

Tech Talk

Resource Person

Mr.E.S.Palanivel

AP/Mech, KSRIET



Programme Name :

Tech Talk

Resource Person

Mr.K.Velusamy

AP/Mech, KSRIET 21.03.16

MERF TALK

Merf Talk is conducted to represents the faculty research papers, innovations and recent trends in the field of Mechanical Engineering and makes other faculty to get the new idea about the recent trends



SEMINAR

Programme Name :

**ICMR Sponsored – Recent Development in Prosthesis
Materials and its Challenges in Medical Applications**

Date : 3.3.2016 & 4.3.2016



Resource Persons

☺ Dr.Murugaiyan Sivasankar,
Director - Department of Research and
Development,
SKP Engineering College

☺ Dr.J.Muthuvignesh,
Reader - K S R Institute of Dental
Science and Research -
Tiruchengode.

☺ Dr.K. Nithiya Manoj, Assistant
Professor,
Govt. Medical college Hospital – Salem

☺ Dr.M.Maheswaran, Reader -
K S R Institute of Dental
Science and Research -
Tiruchengode.



NATIONAL CONFERENCE



NEWSLETTER



National Conference on “Recent Trends in Engineering and technology” on 24.3.2016. The function is felicitated by Dr.V.N.Mani, Scientist – E, C-MET, DEITY, Government of India and Mr.G.Nagendra, Head – Research & Publications – ICTACT Journals.



ALUMIN INTERACTION



Our First Batch Alumini Mr.K.P.Chithaarth Interacted with the students on 17.01.2016

FACULTY PUBLICATIONS

- **R.Vasanthakumar**, AVT Shubash, CFD Investigation of Heat Transfer Enhancement in Flat Plate Solar Collector using Various Cross Sectional Inserts- IJSRD - International Journal for Scientific Research & Development| Vol. 3, Issue 03, 2015 | ISSN (online): 2321-0613
- **R.Vasanthakumar**, AVT Shubash, CFD analysis of flat plate solar collector for heat transfer enhancement using various insets International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 19 (2015).
- **M.V.Shanmugam**, A Comparative Study on Ceramic Powder Over Static and Dynamic Compaction International Journal of Fracture and Damage Mechanics Vol. 1: Issue 2 IJFDM (2015) 34–39 © JournalsPub 2015.
- **A.Premkumar.**, “ Heat Transfer Analysis in Internally Grooved Tubes”, AGU International Journal of Engineering & Technology, Vol 1, Jul-Dec 2015.
- **A.Premkumar.**, “ Design & Analysis of Connecting Rod by Composite Material” , International Journal of Research and Development Organization, Vol 2, Issue 7, July 2015.

TOPPERS**II YEAR****SEMESTER : III**

S.No	Register Number	Name of the Student	CGPA
1	731614114146	SURYA M	8.29
2	731614114050	HARISH V	8.01
3	731614114163	VIJAY S	7.91

SEMESTER : IV

S.No	Register Number	Name of the Student	CGPA
1	731614114146	SURYA M	8.25
2	731614114050	HARISH V	7.98
3	731614114033	DINESH S V	7.96

III YEAR**SEMESTER : V**

S.No	Register Number	Name of the Student	CGPA
1	731613114130	SAKTHI MAHESHWARI R	8.23
2	731613114017	AYYAPPAN	8.04
3.	731613114005	AMEEN SHERIF S	7.94

SEMESTER : VI

S.No	Register Number	Name of the Student	CGPA
1	731613114130	SAKTHI MAHESHWARI	8.29
2	731613114017	AYYAPPAN	8.06
3.	731613114005	AMEEN SHERIF S	7.89

IV YEAR**SEMESTER : VII**

S.No	Register Number	Name of the Student	CGPA
1	731612114062	PRESILLA E	7.6
2	731612114087	SIVARAMAN P	7.5
3.	731612114089	SURESH P	7.5

SEMESTER : VIII

S.No	Register Number	Name of the Student	CGPA
1	731612114087	SIVARAMAN P	7.6
2	731612114062	PRESILLA E	7.6
3.	731612114089	SURESH P	7.6

PLACEMENT

Sl.No	Name of the Company	No. Students Placed
1	NVH INDIA AUTO PARTS PVT LTD	9
2	CAD MACRO DESIGN & SOLUTIONS(P) LTD	8
3	IGARASHI MOTORS INDIA LIMITED	5
4	WONJIN AUTOPARTS PVT LTS	47
5	TATA BUSINESS SUPPORT SERVICES LIMITED	8
6	IDBI FEDERAL LIFE INSURANCE CO LTD	5
7	AQUA PURE PLUS	6
8	ZEALOUS SERVICES	5
9	CAPEGEMINI INDIA PVT LTD	1
10	RAINBOW MOTORS COMMERCIAL DIVISION	4
11	TENNECO	2
12	WIPRO	6
13	WOORY AUTOMOTIVES INDIA PVT LTD	10
TOTAL		116

GO – KART CONTEST

Event Name : Indian Karting League

Organised by: Vayuputra Motor Sports, Bengaluru, karnataka.

Date: January 2016



STUDENTS PARTICIPATION

SL. No.	DATE	NAME OF THE STUDENT	TITLE OF THE EVENT	ORGANIZED INSTITUTION
1	10-02-16	Manoj R	Automotive sketching competition-workshop	Kumaraguru College of Technology – Coimbatore
2	10-02-16	Guruprakash T	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
3	10-02-16	Mari A	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
4	10-02-16	Nishanth K B	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
5	10-02-16	Kamalraj S	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
6	10-02-16	Pratheep E	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
7	10-02-16	Parthiban P	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
8	10-02-16	Kavin R	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
9	10-02-16	Gowtham R	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
10	10-02-16	Karthick G	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
11	10-02-16	Maganathan G	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
12	10-02-16	Vignesh B	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
13	10-02-16	Ravi S	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
14	10-02-16	Sathish G	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
15	10-02-16	Vetrichelvan S	Automotive sketching competition	Kumaraguru College of Technology– Coimbatore

Sl. No.	DATE	NAME OF THE STUDENT	TITLE OF THE EVENT	ORGANIZED INSTITUTION
16	10-02-16	Thanansevan VS	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
17	10-02-16	Santhosh Kumar V	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
18	10-02-16	Thiyaneshwaran V	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
19	10-02-16	Senthil Kumar M	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
20	10-02-16	Suriya G	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
21	10-02-16	Vetriselvan J	Automotive sketching competition	Kumaraguru College of Technology – Coimbatore
22	10-02-16	Vengatesh G	Automotive sketching competition	Kumaraguru College of Technology– Coimbatore
23	20-02-16	Raghul Kumar K	Transmission system-workshop	Government College of Technology – Coimbatore
24	24-02-16	Archana P	Paper Presentation	M. Kumarasamy College of Engineering-karur
25	26-02-16	Sangameshwaran M	AOTOMEET 16- workshop	Madras Institute of Technology- Chennai
26	26-02-16	Kesavan K	CFD-workshop	Anna University- Chennai
27	26-02-16	Sangameshwaran M	CAD Masters	Madras Institute of Technology Chennai
28	26-02-16	Sangameshwaran M	Auto Quiz	Madras Institute of Technology Chennai
29	26-02-16	Nainar Mohamed	Royal Mechanics Event	Madras Institute of Technology Chennai
30	26-02-16	Nainar Mohamed	Auto Quiz	Madras Institute of Technology Chennai
31	26-02-16	Rahul Kumar K	Royal Mechanics Event	Madras Institute of Technology Chennai
32	26-02-16	Rahul Kumar K	Auto Quiz	Madras Institute of Technology Chennai
33	26-02-16	Saravana Manoj S	Technical Quiz	Anna University-chennai
34	26-02-16	Sridhar R	Technical Quiz	Anna university-chennai

Sl. No.	DATE	NAME OF THE STUDENT	TITLE OF THE EVENT	ORGANIZED INSTITUTION
35	26-02-16	Ranjith Kumar S	Technical Quiz	Anna University-chennai
36	10-03-16	Ranjith Kumar M	Paper Presentation	Bharathidasan Institute of Technology-Trichy
37	10-03-16	Sridhar K	Paper Presentation	Bharathidasan Institute of Technology-Trichy
38	10-03-16	Naveen P	Paper Presentation	Bharathidasan Institute of Technology-Trichy
39	10-03-16	Mohan P	Paper Presentation	Bharathidasan Institute of Technology-Trichy
40	10-03-16	Mohamed Sirajdheen AA	Paper Presentation	Bharathidasan Institute of Technology-Trichy
41	12-03-16	Aravindharaj S	Paper Presentation	Excel Engineering College - Komarapalayam
42	12-03-16	Muniraj R	Workshop	Excel Engineering College- Komarapalayam
43	12-03-16	Ranjith Kumar S	Paper Presentation	Erode Builders Educational Trust- Kangayam
44	14-03-16	Ranjith Kumar S	Paper Presentation	Muthayammal Engineering College-Rasipuram
45	14-03-16	Vetriselvan J	Paper Presentation	Muthayammal Engineering College-Rasipuram
46	14-03-16	Sathish K	Paper Presentation	Muthayammal Engineering College-Rasipuram
47	14-03-16	Sathish Raj K	Paper Presentation	Muthayammal Engineering College-Rasipuram
48	14-03-16	Kesavan K	Paper Presentation	Muthayammal Engineering College-Rasipuram
49	14-03-16	Vengatesh G	Paper Presentation	Muthayammal Engineering College-Rasipuram
50	14-03-16	Sridhar R	Paper Presentation	Muthayammal Engineering College-Rasipuram
51	14-03-16	Sridhar K	Paper Presentation	Muthayammal Engineering College-Rasipuram
52	14-03-16	Sabareesan M	Paper Presentation	Muthayammal Engineering College-Rasipuram
53	14-03-16	Srinath V	Paper Presentation	Muthayammal Engineering College-Rasipuram
54	14-03-16	Manoj Kumar R	Paper Presentation	Muthayammal Engineering College-Rasipuram
55	14-03-16	Archana P	Paper Presentation	Muthayammal Engineering College-Rasipuram

Sl. No.	DATE	NAME OF THE STUDENT	TITLE OF THE EVENT	ORGANIZED INSTITUTION
56	16-03-16	Manoj Kumar R	Paper Presentation	Sri Krishna College of Engineering & Technology – Coimbatore
57	16-03-16	Ranjith Kumar C	Paper Presentation	Sri Krishna College of Engineering & Technology – Coimbatore
58	20-03-16	Mohan P	Workshop	KSR Institute for Engineering and Technology
59	2015-16	Raaj Kumar S	Paper Presentation	Indian Institute of Technology, Kharagpur
60	2015-16	Sangameshwaran M	Paper Presentation	Indian Institute of Technology, Kharagpur
61	20-03-16	Gowtham M	Robotics -workshop	Top International Educational Trust-Puducherry
62	20-03-16	Boopathi P	Robotics -workshop	Top International Educational Trust-Puducherry
63	20-03-16	Gokul Kannan N	Robotics -workshop	Top International Educational Trust-Puducherry
64	20-03-16	Duraimurugan R	Robotics -workshop	Top International Educational Trust-Puducherry
65	20-03-16	Tamil Selvan S	Robotics -workshop	Top International Educational Trust-Puducherry
66	20-03-16	Tamil Mani	Robotics -workshop	Top International Educational Trust-Puducherry
67	20-03-16	Tarun Chouhan. S	Robotics -workshop	Top International Educational Trust-Puducherry
68	20-03-16	Surya M	Robotics -workshop	Top International Educational Trust-Puducherry
69	20-03-16	Mudaliyar Vishnu Parasuraman	Robotics -workshop	Top International Educational Trust-Puducherry
70	20-03-16	Gopalakrishnan S	Robotics -workshop	Top International Educational Trust-Puducherry
71	20-03-16	Velsaran M	Robotics -workshop	Top International Educational Trust-Puducherry
72	20-03-16	Venkatesh S	Robotics -workshop	Top International Educational Trust-Puducherry
73	20-03-16	Sankar Ram R	Robotics -workshop	Top International Educational Trust-Puducherry

The Galaxy of K.S.R. Educational Institutions

K.S.Rangasamy college of Technology
K.S.R. Institute of Dental Science and Research
K.S.R.College of Engineering
K.S.R.Institute For Engineering and Technology
K.S.Rangasamy College of Arts & Science
K.S.Rangasamy College of Arts & Science for Women
K.S.Rangasamy Institute of Technology
K.S.R. Polytechnic College

K.S.R. College of Education
K.S.R. Matriculation Higher Secondary School
K.S.R. Industrial Training School
K.S.R. Akhsara Academy
Rajammal Rangasamy I.T.I.
Rajammal Rangasamy Teacher Training Institute
Rajammal Rangasamy Higher Secondary School
Avvai K.S.R. Matriculation School

SINCE 1984



K.S.R Institute for Engineering and Technology