

Kalpataru Vidya Samsthe®

# KALPATARU INSTITUTE OF TECHNOLOGY

(Affiliated to VTU, Belagavi and Recognised by AICTE, New Delhi)  
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Estd-1986

## DEPARTMENT OF MECHANICAL ENGINEERING



Newsletter

2017-18

# Roads Reflex



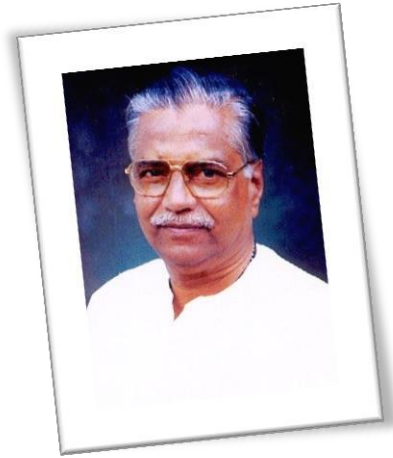


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## From President's desk

I am very happy to present this Newsletter which is most useful in providing information to the students and faculty members about the recent noted developments that have materialized in the Institute. The editorial team has evinced a lot of interest to collect and collate information from all the departments and has made a sincere effort at bringing out a useful Newsletter. I congratulate them for their brilliant efforts.



**P K Thipperudrappa**  
President, KIT

## From Treasurer's desk

I am overwhelmed to learn that the department of Mechanical Engineering is bringing out its 3<sup>rd</sup> news letter. I congratulate the Dr. Viswanatha B M, Head of the Mechanical Department and his young team who have initiated this unique way of presenting the various activities conducted by the department in academic year 2017-18. The team has strived hard in organizing the events and has put in a lot of effort to bring out this news letter. I congratulate the entire faculty and the technical staff who have lent their support to bring out this news letter.



**T S Shivaprasad**  
Treasurer, KIT

## From Principal's desk

I am very delighted to present this Newsletter which would shed light on the important activities that were conducted on the campus in the recent past. I feel happy for the Department of Mechanical Engineering as it has successfully completed 26 years of precious service in the field of academics.



**Dr. Nandeeshiah**  
Principal, KIT

## From HOD's desk

I am utterly glad to welcome 3<sup>rd</sup> edition of Mechanical Department newsletter for the academic year 2017-18. Newsletter provides an active insight into major achievements consummate by the students and the faculty members. I applaud the priceless efforts of my squad members in this initiation and thank them sincerely.



**Dr. Viswanatha B M**  
HOD (ME), KIT

## About Department



The Department was established in the year 1992 with an initial intake of 30 which further was enhanced in two stages to 60 in the first stage and then to 120 in the second stage. The department is currently headed by Dr Viswanatha B M, Professor & HOD. The department is in optimum demand since its inception to till date. The department is blessed with highly qualified, well experienced, committed faculty members. The department has 3 eminent Professors, Dr. Viswanatha B M, Dr. T M Chandrashekaraiah and Dr. T S Kiran with Ph.D degrees. Mr T S Siddalingaprasad, Mr. Mallikarjun G B, Mr. Rohithkumar H V, Mr. Madhu P S and Mrs. Naveena Kumari E are pursuing their Ph.D degree program in different universities. The Department has a Research & Development center recognized by VTU, Belagavi and Tumkur University. It has managed to receive Rs. 20 lakh grant from VGST, Govt. of Karnataka. Dr T M Chandrashekaraiah and Dr. Kiran T S are guiding many candidates for Ph.D programme under VTU. The department organizes symposiums, workshops and seminars under Mechanical Engineering Association every year.

## Vision and mission

### **Vision:**

The Department of Mechanical Engineering - being one of the best undergraduate programs, based on the quality and balance between Institution & Industries, it has become a department of choice for prospective students, parents, faculty, staff, corporate donors and corporate employers nationwide.

### **Mission:**

To produce top-notch graduates with a broad-based foundation in fundamental mechanical engineering principles together with in-depth disciplinary knowledge which is essential to succeed in a career in Mechanical Engineering or related fields including a wide variety of advanced technological and management careers.

## Staff's achievements

- ❑ **Dr. Viswanatha B M**, Professor, Department of Mechanical Engineering has reviewed research article and review board member of number of journals.
  1. Metallurgical and Materials Transactions A (Springer)
  2. Industrial lubrication and Tribology
  3. Bulletin of the Chemical Society of Ethiopia (Open access)
  4. Ultra Engineer, An International, open access, peer reviewed research Journal of engineering science (Open access, Google scholar)
  5. European Journal Engineering Research and Science- Belgium (Open access, Google scholar)
- ❑ **Dr. Kiran T S** Professor,
  6. BOE for VTU, Belagavi
  7. Reviewer for JESTEC, Malaysia
  8. Reviewer for JMRT, Elsevier
  9. Reviewer for Material Science Kaunas University, Malaysia

## Seminars organised/conducted

1. On 10.10.2017 a Technical talk was organized by the Department which was based on “Piping Designing for oil & Gas power plant/ Automotive Plastic & Sheet metal Domains” by Mr. Shanran Kumar, Process Design Engineer & , Vinay Kumar, Design Engineer, MAGNUS GLOBAL TECH EDUCATION Bangalore.
- 0 2. On 12/10/2017 a Technical seminar was organized by the Department which was based on ““Robotics” by Mrs. Neema Hiremath, Lecturer, Dept. of Computer Science & Engg., Rao Bahadur Y. Mahabaleswarappa Engg. College, Bellary.
3. On 03.11.2017 a Training programme was organized by the Department which was based on “Geometric Dimensions and Tolerance (GD&T)” by Miss. Swetha G H, Centre Manager & Mr. Nithin K, CADD Engineer from **Edu CADD Solutions Pvt. Ltd. Tumkur**
4. On 20/02/2018 a Training programme was conducted by the Department which was based on “CAD/CAM (Hypermesh and Uni-graphs)” by Lakshmesh S Raj <sup>AMIE</sup>, Managing Director, ENCADD PVT LTD, Training, Services & Solutions, Bangalore -560054
5. On 21/03/2018 a One day workshop was conducted by the Department which was based on “Importance of CAD courses related to Mechanical & its Scope in Job Market” by Mrs. Chaitra R , EduCADD Training Services , Tumkur

## Research publications

1. **Viswanatha B.M**, Dr. M. Prasanna Kumar, Dr. S. Basavarajappa, **T.S.Kiran**, “Study the formation of mechanically mixed layer and subsurface behavior of worn out surfaces of aged hybrid Metal Matrix Composites”, Industrial Lubrication and Tribology, 70(4):1-11, April 2018. [DOI 10.1108/ILT-04-2016-0084]
2. D.N. Mallikappa, Vishwanath Nayak and **Eswaraiah KS** 'Dome with dripping lateral pipe-fabricated solar water heater' Int. J. Renewable Energy Technology, Vol. 9, No. 3, 2018
3. Devappa, **T. M. Chandrashekaraiah**, D.N. Roopa, Somashekar Hiremath, “Effect of Structural Changes on Microstructure, Mechanical Properties and Fractographical Analysis of Binary Al-12Si Base Alloy”, International Journal of Research and Scientific Innovation (IJRSI) Volume V, Issue IV, April 2018 | ISSN 2321–2705
4. Devappa, **T. M. Chandrashekaraiah** “Studies on Effects of Al-1Ti-3B and Al-10Si Master Alloys on Fracture Toughness and Fractographical Analysis of Binary Al-10Si Alloy” International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume VII, Issue III, March 2018 | ISSN 2278-2540



## List of Students carried out internship in different Companies

Sl No	Student Name	USN	Sem	Company Name	Duration
1	Manoj Kumar C N	1KI15ME049	7 <sup>th</sup>	GCarbon Pvt. Ltd.	8 <sup>th</sup> Jan to 19 <sup>th</sup> Jan 2018
2	Madhusudan C	1KI14ME051	7 <sup>th</sup>	ISRO, Laboratory for Electro-optics System, Bangalore	12 <sup>th</sup> Jan to 31 <sup>st</sup> Jan 2018
3	Mallikarjun S D	1KI14ME052	7 <sup>th</sup>	ISRO, Laboratory for Electro-optics System, Bangalore	12 <sup>th</sup> Jan to 31 <sup>st</sup> Jan 2018
4	Sunithkumar Sharma	1KI14ME103	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
5	Sachin G S	1KI14ME087	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
6	Shubas H B	1KI14ME100	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
7	Goutham T N	1KI14ME030	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
8	Methun Patil C	1KI14ME059	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
9	Nagendra G	1KI14ME062	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
10	Nagaraj	1KI14ME063	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
11	Ravi Kiran H N	1KI14ME085	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
12	Rakshith B R	1KI14ME081	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
13	Padma N	1KI14ME068	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
14	Sindhu S	1KI14ME097	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
15	Shubham B S	1KI14ME094	7 <sup>th</sup>	BOSCH Manufacture, Bengaluru-560027	12 <sup>th</sup> Jan to 12 <sup>th</sup> Feb 2018
16	Mallikarjuna M G	1KI15ME044	5 <sup>th</sup>	WIPRO Infrastructure, Peenya, Bangalore-57	16 <sup>th</sup> Jan to 30 <sup>th</sup> Jan 2018
17	Praveen K S	1KI14ME078	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
18	Rangegowda N G	1KI14ME082	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
19	Siddesh S	1KI14ME096	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
20	Srinivasa K M	1KI14ME099	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
21	Amol Kittur	1KI14ME007	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
22	Lakshmi Prasad T P	1KI15ME414	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
23	Theerthaprasad A P	1KI15ME428	7 <sup>th</sup>	JSW Steel Ltd., Bellary	8 <sup>th</sup> Jan to 16 <sup>th</sup> Jan 2018
24	Channesh M S	1KI14ME016	5 <sup>th</sup>	Shenoy Engg. Pvt. Ltd., Bangalore	8 <sup>th</sup> Jan to 20 <sup>th</sup> Jan 2018
25	Rajeshwari M J	1KI15ME421	5 <sup>th</sup>	Shenoy Engg. Pvt. Ltd., Bangalore	8 <sup>th</sup> Jan to 20 <sup>th</sup> Jan 2018

## Technical / research article published in International conference

- ❑ **Mallikarjuna G B**, Dr. E Basavaraj, “Development & Characterization of silica particulate reinforced aluminium metal matrix composite”, International Conference on Advances in Mechanical Sciences (ICAMS-2017), March 3<sup>rd</sup> to 5<sup>th</sup> 2017 at MCE, Hassan, Karnataka India.
- ❑ **Mallikarjuna G B**, “Wear & Mechanical property evaluation of Aluminum – silica composites”. International Conference on Advance Materials & Technology (ICMAT-16) May 26<sup>th</sup> to 28<sup>th</sup> 2016 at S J College of Engineering, Bangalore, Karnataka India.
- ❑ **Mallikarjuna G B**, Basavaraj E, Fabrication & Characterization of Al-Si Metal Matrix Composite using Stir Casting Technique in, “International Conference on Emerging Research Trends in Mechanical and Civil Engineering” (ICERTMCE-2017), 6<sup>th</sup> and 7<sup>th</sup> July-2017.
- ❑ **Mahanthesh G ,Rohith Kumar H V, Mamatha Sarangamath, Dr. Viswanatha B M**, A River on Nano Particles in Automobile, “International Conference on Emerging Research Trends in Mechanical and Civil Engineering” (ICERTMCE-2017), 6<sup>th</sup> and 7<sup>th</sup> July-2017 at REVA University, Bengaluru.

## Industrial Visit

Sl No	Date	Details	Participants
1	13-10-2017	MSPL, Koppala	60 Students + 04 Faculties (7 <sup>th</sup> sem)
2	13-10-2017 & 14-10-2017	JSW steel Ltd. Toranagallu	60 Students + 04 Faculties (7 <sup>th</sup> sem)
3	16-10-2017	Sharavathi Hydraulic Power plant, Shivamoga	45 Students + 04 Faculties (3 <sup>rd</sup> sem)
4	23-02-2018	Hutti Gold Mines, Raichur	70 Students + 04 Faculties (6 <sup>th</sup> sem)
5	24-02-2018	Raichur Thermal power station	70 Students + 04 Faculties (6 <sup>th</sup> sem)
6	24-03-2018	River Project, Bhadravathi	30 Students + 03 Faculties (2 <sup>nd</sup> sem)
7	06-04-2018	Automotive Axles Ltd, Mysore	50 Students + 04 Faculties (8 <sup>th</sup> sem)

## Workshop/Seminar attended by Faculties

Sl. No.	Name of the faculty	Name of the Short term course/Workshop/ Summer course/ Attended	College/ Organization	Duration	No. of Days	Remarks
1	Dr. Viswanatha B.M.	“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics
		“Two-Days Extension Lecture Program in Mathematics”	KIT, Tiptur	15/02/2018 to 16/02/2018	02	Workshop
		“Aiming for Excellence: Pathways to Institutional Advancement through Research “	Oxford Educational Institutions, Bengaluru	15/03/2018	01	Workshop organized by AICTE & Clarivate Analytics
		Turbomachines	Vivekannada College of Engineering & Technology, Puttur	26/07/2018 to 28/07/2018	03	FDP
2	Dr. Kiran T S	“Campus Career Conclave - 2017”	Carrer Prime, Bengaluru	07/07/2017	01	Workshop
		“Aiming for Excellence: Pathways to Institutional Advancement through Research “	Oxford Educational Institutions, Bengaluru	15/03/2018	01	Workshop organized by AICTE & Clarivate Analytics
		“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics
3	Eshwaraiah K S	“Blooms Taxonomy: A Taxonomy for Accreditation”	Ramaiah Institute of Technoloy, Bangalore	28/07/2017	01	National Workshop
		“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics

## Workshop/Seminar attended by Faculties

Sl. No.	Name of the faculty	Name of the Short term course/Workshop/ Summer course/ Attended	College/ Organization	Duration	No. of Days	Remarks
4	Siddalinga Prasad T S	“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics
5	Aradhya S M	Youth Conference organized by Ramakrishna Vivekananda Ashram	Ramakrishna Vivekananda Asham, Tumkur	04/03/2018	01	
		“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics
6	Mallikarjuna G B	“Modern Materials ans their Applications”	BNM Institute of Technology, Bengaluru	16/01/2018 to 20/01/2018	05	FDP
		Youth Conference organized by Ramakrishna Vivekananda Ashram	Ramakrishna Vivekananda Asham, Tumkur	04/03/2018	01	
7	Rohith Kumar H V	“Advances in Image Processing and Computer Vision Applications Using Python and OpenCV”	KIT, Tiptur	11/12/2017 to 23/12/2017	13	FDP
		“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics
8	Mahanthesh G	“Advances in Image Processing and Computer Vision Applications Using Python and OpenCV”	KIT, Tiptur	11/12/2017 to 23/12/2017	13	FDP
		“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics

## Workshop/Seminar attended by Faculties

Sl. No.	Name of the faculty	Name of the Short term course/Workshop/ Summer course/ Attended	College/ Organization	Duration	No. of Days	Remarks
9	Dileep H B	Two-Days Extension Lecture Programme in Mathematics for Science Teachers/ Students	KIT, Tiptur	15/02/2018 16/02/2018	02	
		“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics
10	Madhu P S	“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics
11	Naveenkumari M E	“ Recent Development and Challenges in Materials and Manufacturing Process (RDCMMP 2018)”	BIT, Bengaluru	01/01/2018 13/01/2018	13	FDP
12	Brijesh C	“Modern Materials and their Applications”	BNM Institute of Technology, Bengaluru	16/01/2018 20/01/2018	05	FDP
13	Pruthwiraj J M	“New Model Curriculum for First year BE/B.Tech-CBCS detailed Syllabus (2018-19) as per Outcome-Based Education (OBE) format including course Outcomes (CO) and Bloom’s Taxonomy”	BNMIT, Bangalore	09/05/2018	01	Workshop & Engg. Graphics
14	Pallavi B A	“ Recent Development and Challenges in Materials and Manufacturing Process (RDCMMP 2018)”	BIT, Bengaluru	01/01/2018 13/01/2018	13	FDP
15	Anil K	Youth Conference organized by Ramakrishna Vivekananda Ashram	Ramakrishna Vivekananda Asham, Tumkur	04/03/2018	01	

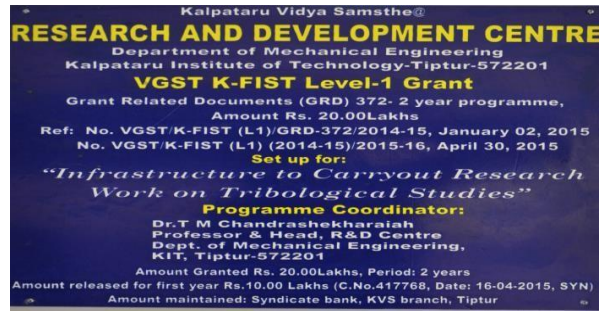
## Paper presentation by Students

Sl. No.	Name of the Student	Sem	Paper title	College/ Organization	Duration	No. of Days	Remarks
1	Prajwal G B	5 <sup>th</sup>	Improvement of efficiency by Francis Daimler Tabag SI Engine	KLE institute of technology, Hubballi-30	6 <sup>th</sup> Oct 2017 to 7 <sup>th</sup> Oct 2017	2	
2	Ajay Kumar K S						
3	Nikhil S A	5 <sup>th</sup>	“Fabrication of Coconut and Arecanut Harvesting Machine” presented a paper in National Level Technical paper symposium	HMSIT, Tumkur	11 <sup>th</sup> Nov, 2017 to 11 <sup>th</sup> Nov, 2017	1	<b>Secured 2<sup>nd</sup> prize</b>
4	Jagadeesha G K						
5	Mohith G P						
6	Shrinidhi K K						
7	Vaibhav K Gunaga	6 <sup>th</sup>	“Material Removal Rate of INCONEL 718 by using WEDT Process in Mahayantra 3.0” presented a paper in National Level Technical paper symposium	Dayananda Sagar College of Engg., Bangalore	22 <sup>nd</sup> March 2018 to 23 <sup>rd</sup> March 2018	2	National
8	Mohith G Pawar	6 <sup>th</sup>	“Development of an Amphibious Vehicle (Hovercraft) in Mahayantra 3.0” presented a paper in National Level Technical paper symposium	Dayananda Sagar College of Engg., Bangalore	22 <sup>nd</sup> March 2018 to 23 <sup>rd</sup> March 2018	2	National
9	Sanjeev Prasad R N						
10	Prajwal G B						
11	Vishnu Prasad Shetty						
12	Subhash M	6 <sup>th</sup>	“Performance Enhancement of Exchange Using Nano Fluids”	Vivekananda College of Engg. & Technology, Nehrunagar, Puttur	16 <sup>th</sup> May 2018	1	National Conference
13	Shankar S T						
14	Santhosh Kumar B S						
15	Prathiba S B	6 <sup>th</sup>	“Solar Powered Steam Engine”	Vivekananda College of Engg. & Technology, Nehrunagar, Puttur	16 <sup>th</sup> May 2018	1	National Conference
16	Manu B S						
17	Shrinidhi K K						
18	Shashidhara Gowda K V						

# Research and Development



**R&D centre**



**Grants from VGST**



**Pin on Disc Wear Testing Machine**



**Resistance Furnace**

➔ **Mr. R Manjunatha** has been awarded Ph.D Degree by VTU, Belagavi, who registered for Ph.D in R&D Centre, Department of Mechanical Engineering, KIT , Tiptur under the guidance of **Dr. Chandrashekharaiiah T M**

The following candidates have registered for Ph.D. in the Department of Mechanical Engineering, Research Centre, KIT, Tiptur.

SI No.	Name	Ph.D Guide Name
01	Mrs. SatyaPrema	<b>Dr. Chandrashekharaiiah T M</b> KIT – Tiptur
02	Mr. Devappa	
03	Mr. Somashekhar Hiremath	
04	Mr. Muralidhar. S	
05	Mrs. Naveena Kumari M E	<b>Dr. Kiran T S</b> KIT – Tiptur
06	Mithun Kumar C N	
07	Mr. Madhu P S	
08	Surendranatha G M	

## Details of Grants received

Name of the project	Sponsoring agency	Amount Sanctioned (Rs)	Amount Released (Rs.Lacs)	Outcome of the project
To Provide Infrastructure Research work on Tribological studies	VGST (Govt. of Karnataka)	20,00,000	10,00,000	Infrastructure Research work on Tribological studies

## Student project sponsored by KSCST, Bangalore

Sl No	Name of the Guide	Name of Students	Project Title	Granted Amount (Rs.)
01	Mr. Manjunath Channappagoudra	Praveen K S	Design and Fabrication of Tender Coconut and Matured Coconut Processing Unit	8000/-
		Rangegowda N G		
		Siddesh S		
		Srinivas M M		

## Student project sponsored by VTU, Belagavi

Sl No	Name of the Guide	Name of Students	Project Title	Granted Amount (Rs.)
01	Dr. Kiran T S	Chethan M	Prototype of vacuum cleaner on railway track	5000/-
		Krishnananda		
		Malla Gond		
		Likhithkumar K S		
		Vinutha B R		
02	Mr. Siddalingaprasad T S	Akshay K C	Design and development of solar powered bicycle	5000/-
		Ashok Patel		
		Deepak G		
		Gurumurthy G S		



## Details of Research Scholar in the Department

Sl. No.	Name	Center of Registration / University	Date of Registration	Guide Name	Research Topic
01	T S Siddalingaprasad Asst.Prof, Mech	SIT Tumkur VTU Belagavi	October - 2012	Dr.H .S Shivashankar, SIT, Tumkur	Characterization and Property Evaluation of forged cutting tool for industrial application
02	Mallikarjuna. G. B Asst.Prof, Mech	JNNCE, Shivamogga VTU – Belagavi	December 2014	Dr. E Basavaraj JNNCE, Shivamogga	Metal Matrix Composite
03	Rohith Kumar H.V Asst.Prof, Mech	UBDT CE, Davangere VTU – Belagavi	January 2016	Dr. Irappa Sogalad UBDT CE, Davanagere	Polymer Matrix Composite
04	Eshwaraiah K S Associate Prof, Mech	NIMAMIT, Nitte VTU , Belagavi	February 2017	Dr. Shashikanth Kariyanka NIMAMIT, Nitte	Automation & Optimization of Multifunction of Power tiller
05	Naveen Kumari M.E Asst.Prof, Mech	KIT, Tiptur VTU , Belagavi	February 2017	Dr. Kiran T S KIT, Tiptur	Metal Matrix Composite
06	Madhu P S Asst.Prof, Mech	KIT, Tiptur VTU , Belagavi	May 2017	Dr. Kiran T S KIT , Tiptur	Metal Matrix Composite

# Toppers List



Vandana J S [1KI17ME041]  
1<sup>st</sup> sem.



Vandana J S [1KI17ME041]  
2<sup>nd</sup> sem.



SriHarsha R E [1KI16ME065]  
3<sup>rd</sup> sem



SriHarsha R E [1KI16ME065]  
4<sup>th</sup> sem



Shankar S T [1KI15ME076]  
5<sup>th</sup> sem



Shankar S T [1KI15ME076]  
6<sup>th</sup> sem



Srinivasa K M [1KI14ME099]  
7<sup>th</sup> sem



Gurumurthy G S [1KI14ME032]  
8<sup>th</sup> sem

# Industrial Visits



**During visit of JSW**

*Industry Visit for VII semester students to JSW steel Ltd., Toranagallu  
on 13<sup>th</sup> & 14<sup>th</sup> October 2017*

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*Industry Visit for VII semester students to MSPL, Koppala, on 13<sup>th</sup> October 2017*



*Industry Visit for III semester students to Sharavathi Hydraulic Power plant,  
Shivamoga on 16<sup>th</sup> October 2017*

# Industrial Visits



*Industry Visit for VI semester students to **Hutti Gold Mines, Raichur** on 23<sup>rd</sup> February 2018*



*Industry Visit for VI semester students to **Raichur Thermal power station, Raichur** on 23<sup>rd</sup> February 2018*



*Industry Visit for II semester students to **Bhadravathi River Project, Bhadravathi** on 24<sup>th</sup> March 2018*



*Industry Visit for VI semester students to **Automotive Axles Ltd, Mysore** on 06<sup>th</sup> April 2018*

# Mechanical Engineer Association (MEA)



**Mechanical Engineer Association (MEA)**  
Inauguration function on **03th March 2018**



Technical Seminar on “**Computational Fluid Dynamics & Recent trends**” by **Dr. Gowreesh C.S** on *3<sup>rd</sup> March 2018*



Technical Seminar on “**Recent trends and Opportunities for Engineering**” by **Mr. Kethan D Shah** on *3<sup>rd</sup> March 2018*

# Seminar Organized



Mrs. Neema Hiremath, Lecturer, Dept. of Computer Science & Engg., Rao Bahadur Y. Mahabaleswarappa Engg. College, Bellary.



Miss. Swetha G H, Centre Manager, & Mr. Nithin K, CADD Engineer, Edu CADD Learning Solutions Pvt. Ltd., Tumkur



Mr. Lakshmish S Raj <sup>AMIE</sup>, Managing Director, ENCADD PVT LTD, Training, Services & Solutions, Bangalore



Mrs Chaithra R , EduCADD Training Services , Tumkur

## Project Exhibition at KIT



Design and fabrication of tesla turbine



Solar Grass Cutter With Sprayer And Collector

## VTU Sponsored Projects



Prototype of vacuum cleaner on railway track



Design and development of solar powered bicycle

## Project Presentation at VTU, Belagavi 2017-18



Design and development of solar powered bicycle

## KSCST Sponsored Project



### Design and fabrication of tender coconut and matured coconut processing unit

Best project of the year 2017-18 by KSCST



**Praveen K S, Rangegowda N G, Siddesh S & Srinivasa K M** under the guidance of **Mr. Manjunath Channappagoudra** Participated in Students Project Programme (41<sup>st</sup> Series) was adjudged as **“Best Project of the Year 2017-18”** duration seminar and exhibition held at BIET, Davangere by Department of Science and Technology, **Government of Karnataka** and Department of Science and Technology, **Government of India**.



# Celebration



**Teachers Day Celebration in the Department on 28/09/2017**



**Ayudhapooja Celebration in the Department on 28/09/2017**



**Green day Celebration & Plantation by the Principal & HOD, Department of Mechanical, KIT on 28/09/2017**

# Sports corner

Sl. No	Name of the Student	Sem	Sports Events	College/ Organization	Duration	No. of Days	PRIZE
1	Vishnu Prasad Shetty	3 <sup>rd</sup>	Inter zonal/ single Zone Tournament 2017-18 (Yoga Winner)	RLJIT, Doddaballapura	20 <sup>th</sup> Sept 2017 to 21 <sup>st</sup> Sept 2017	2 days	Yoga Winner
		4 <sup>th</sup>	VTU Inter Collegeiate Yoga (M&W)	BMSCE, Bangalore	27 <sup>th</sup> March 2018 to 28 <sup>th</sup> March 2018	2 days	
2	Vijet Laxman Shetty	5 <sup>th</sup>	Inter zonal/ single Zone Tournament 2017-18 (Horizontal Bar Gymnastic)	Vemana IT, Bangalore	9 <sup>th</sup> Nov 2017 to 10 <sup>th</sup> Nov 2017	2 days	Winner
		5 <sup>th</sup>	Inter zonal/ single Zone Tournament 2017-18 (Parallel Bar Gymnastic)	Vemana IT, Bangalore	9 <sup>th</sup> Nov 2017 to 10 <sup>th</sup> Nov 2017	2 days	Winner
		5 <sup>th</sup>	Inter zonal/ single Zone Tournament 2017-18 (Roman Rings Gymnastic)	Vemana IT, Bangalore	9 <sup>th</sup> Nov 2017 to 10 <sup>th</sup> Nov 2017	2 days	Winner
		5 <sup>th</sup>	Inter zonal/ single Zone Tournament 2017-18 (Pommel Horse Gymnastic)	Vemana IT, Bangalore	9 <sup>th</sup> Nov 2017 to 10 <sup>th</sup> Nov 2017	2 days	Runner-up
		5 <sup>th</sup>	Inter zonal/ single Zone Tournament 2017-18 (Floor Exiscise Gymnastic)	Vemana IT, Bangalore	9 <sup>th</sup> Nov 2017 to 10 <sup>th</sup> Nov 2017	2 days	Secured 3 <sup>rd</sup> prize
3	Madhusudan C (1ki14ME051)	8th	VTU- InterCollegiate Ball Badminton	BMSIT-Bangalore	11 <sup>th</sup> April 2018 to 14 <sup>th</sup> April 2018	4 days	
4	Rohan H V (1ki14me086)						
5	Nandeesh R (1ki14Me065)						
6	Shivakumar Swamy (1ki14ME092)						
7	Deepak G (1KI14ME024)						
8	Siddesh S (1KI14ME096)						
9	Nandeesh K V (1KI14ME030)						6th

# Farewell



KALPATARU INSTITUTE OF TECHNOLOGY . TIPTUR  
FINAL YEAR B.E MECHANICAL ENGG  
'A' SECTION 2017-18



KALPATARU INSTITUTE OF TECHNOLOGY . TIPTUR  
FINAL YEAR B.E MECHANICAL ENGG  
'B' SECTION 2017-18

# Campus Recruitment



Sl. No.	USN	Name
1	1KI14ME005	Akshaya S.U
2	1KI14ME104	Sushmitha H R



Sl. No.	USN	Name
1	1KI14ME093	Shivayogiswamy H K
2	1KI14ME096	Siddesh S
3	1KI14ME103	Sunithkumar Sharma
4	1KI15ME430	Vinutha B R



Sl. No.	USN	Name
1	1KI14ME082	Rangegowda N. G.
2	1KI14ME099	Srinivasa K.M
3	1KI14ME096	Siddesh S



Sl. No.	USN	Name
1	1KI14ME016	Channessa M S
2	1KI14ME096	Siddesh S

## MOU & Training Details

➤ MOU with ENCADD Training, Service & Solutions-Bangalore to train the students in Unigraphics & Hypermesh for final year and pre-final year students (30 students) on March 2018 onwards.

## Teaching Faculties

Sl. No.	Faculty Names	Qualification	Designation
01	Dr. Viswanatha B.M.	M.Tech., Ph.D	Professor & HOD
02	Dr. Chandrashekharaiiah T M	M.Tech., PhD.	Professor
03	Dr. Kiran T S	M.Tech., Ph.D	Professor
04	Mr. Shivayogi M J	B E	Associate Professor
05	Mr. Siddalingaprasad T S	M.E., (Ph. D)	Associate Professor
06	Mr. Eshwaraiiah K S	M.Tech., (Ph. D)	Associate Professor
07	Mr. Aradhya S M	M.Tech	Associate Professor
08	Mr. Mallikarjuna G B	M.Tech., (Ph. D)	Assistant Professor
09	Mr. Deepak Kumar N Y	M.Tech.	Assistant Professor
10	Mrs. Mamata Sarangamath	M.Tech.	Assistant Professor
11	Mr. Rohithkumar H V	M.Tech., (Ph. D)	Assistant Professor
12	Mr. Dileep H B	M.Tech.	Assistant Professor
13	Mr. Mahanthesh G	M.Tech.	Assistant Professor
14	Mr. Sandeep K	M.Tech.	Assistant Professor
15	Mr. Narendra Kumar S C	M.Tech.	Assistant Professor
16	Mr. Harikesha C R	M.Tech.	Assistant Professor
17	Mr. Madhu P S	M.Tech., (Ph. D)	Assistant Professor
18	Mrs. Naveen Kumari M.E	M.Tech., (Ph. D)	Assistant Professor
19	Mr. Sanjay H M	M.Tech.	Assistant Professor
20	Mr. Brijesh C	M.Tech.	Assistant Professor
21	Mr. Ajay C K	M.Tech.	Assistant Professor
22	Mr. Pruthwiraj J M	M.Tech.	Assistant Professor
23	Mr. Manjunath Channappagoudra	M.Tech., (Ph. D)	Assistant Professor
24	Ms. Pallavi B A	M.Tech.	Assistant Professor
25	Mr. Anil K	M.Tech.	Assistant Professor

## Non-teaching Faculties

Sl. No.	Names	Designation
01	Siddagangappa	Foreman
02	Nataraj N R	Instructor
03	Rupa M V	Instructor
04	Puttaswamy T	Mechanic
05	Lohith K N	Asst. Instructor
06	Sunil S	Asst. Instructor
07	Manjunath S	Mechanic
08	Vishwanatha T N	Mechanic
09	Rajashekar M N	Mechanic
10	Chethan Kumar N R	Mechanic
11	Lokanath T G	Mechanic
12	Ranganaswamy K M	Mechanic
13	Vinodkumar	Mechanic
14	Rajashekar H V	Helper
15	Kumaraiah C R	Helper

## From Editorial desk

We, at the editors' desk, take immense pleasure in presenting this News Letter of our Mechanical Department. Department of Mechanical Engineering has successfully completed 26 years of dedicated service in the field of technical education. Significant progress has taken place in our Mechanical Department during the period 2017-18 and all those developments have been sincerely highlighted in this edition. Achievements in the field of academics and Non-academics by the students as well as the faculty members are very encouraging and have been given due importance in this edition.

**Editorial committee: *Dept of Mechanical Engineering***

**Dr. Vishwanath B M, Professor & HOD**

**Mr. Shivayogi M J, Associate Professor**

**Dr. Kiran T S, Professor**

**Mr. Sandeep K, Assistant Professor**

**Mr. Shashi, Alumni**



# Management of Kalpataru Vidya Samsthe®

## President



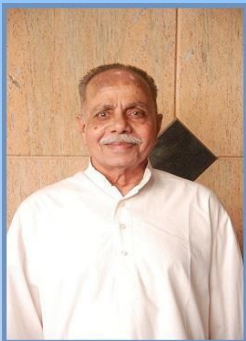
**Sri P. K. Thipperudrappa**  
President  
Kalpataru Vidya Samsthe

## Treasurer



**Sri. T S Shivaprasad**  
Treasurer  
Kalpataru Vidya Samsthe

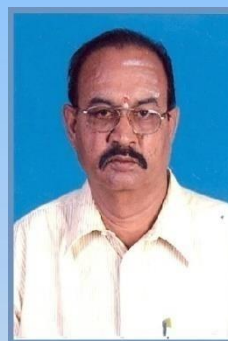
## Vice Presidents



**Late Sri. T M Chandrashekar**  
Vice President



**Sri. S S Natraj**  
Vice President



**Sri. G K Prabhu**  
Vice President

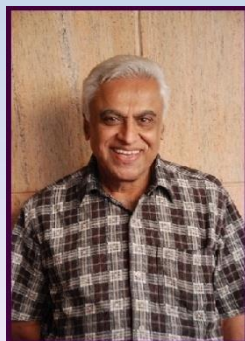


**Sri. A M Chandrashekaraiyah**  
Vice President

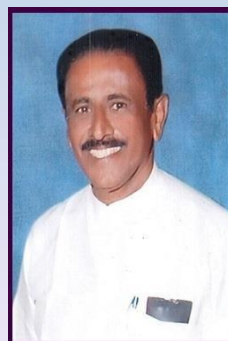
## Secretaries



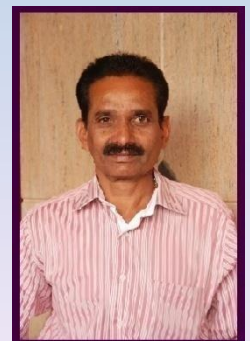
**Prof. Rajakumar**  
Secretary



**Sri. B R Vishwanath**  
Secretary



**Sri. K P Rudramuniswamy**  
secretary



**Sri. T U Jagadeeshamurthy**  
Secretary