

# RajaRajeswari College of Engineering

**#14, Ramohalli Cross, Kumbalagodu, Mysuru Road, Bengaluru - 560 074** (Approved by AICTE, New Delhi. Affiliated to the Visvesvaraya Technological University, Belgaum)

# Department of Mechanical Engineering

**MECH NEWSLETTER** 

## Gear 2019

We are very much grateful to the Management, Rector and Principal for their continuous encouragement, inspiration and support extended for the release of this "NEWS LETTER"- GEAR 2019.



Dr.H R Yeshovanth, Head of the Department

## Department at a Glance

The Department of Mechanical Engineering was started in the year 2006 has highly qualified faculty with good blend of experience from both Academics and Industry. The department has well equipped laboratories with advanced software's. Within a span of 14 years the department has reached 'Center of Excellence' by attaining good academic results, conducting many seminars, conferences, workshops, FDPs, Industry - Institute Interactions at State and National levels.

## Courses Offered:

#### UG Programme :

Bachelor of Engineering in Mechanical Engineering-4 Years.

#### **Research Programme:**

• Doctor of Philosophy

#### **Centre of Excellence:**



Volume :7 Issue: 1

#### **Chief Patron**



Dr.A.C.Shanmugam, B.A.LLB, FIMSA, FRCPS (Glasgow, UK) Former MLA., MP., Chairman, Rajarajeswari Group of Institutions.



Mr.A.C.S.Arunkumar B.Tech (Hons), LMISTE,MIET., (UK).,LMCSI., Vice-Chairman RajaRajeswari Group of Institutions.

#### Patrons

Dr.Vijayanand.S Executive Director RajaRajeswari Group of Institutions.

Mr. Jeyabalan.S Special Officer RajaRajeswari Group of Institutions.

Dr T R Gopalakrishnan Nair Rector RajaRajeswari Group of Institutions.

## Principal

Dr.R.Balakrishna,Ph.D., RajaRajeswari College of Engineering

Head of the Department Dr. Yeshovanth H R, Ph.D., HOD-Mech

## Research Grant received from the Vision Group on Science and Technology (VGST) 2018-19

GRD No.	738
VGST Programme	Research Grants for Scientists Faculty (RGS/F)
Duration of VGST programme	1 Year
Project Title / Theme / Topic	Performance Improvement and Characterization
	of Thin Film Solar Cells
Principal Co-Ordinator	B.D.Wadekar, Assistant Professor
Total VGST Grant Sanctioned (in Lakhs):	5.0

Faculty publications in academic year 2018-19

- Kavya S, Ranjitha M, N Sreenivasalu Reddy and Vaibhavi D, "Experimental study of heat transfer on receiver tube of Parabolic collector with continuous helical fins", International Research Journal of Engineering and Technology (IRJET), volume 06, number 5, May 2019, pp. 28-31, e-ISSN : 2395-0056, p-ISSN : 2395-0072, Impact factor: 7.211.
- N Sreenivasalu Reddy, "Numerical study of heat transfer characteristics on double pipe heat exchanger equipped with discontinuous helical fins", International Conference on Mechanical and Building sciences (ICMBS 2019), 27th and 28th March 2019, SNS college of Technology, Coimbatore- 35.
- N Sreenivasalu Reddy, "Experimental study of heat transfer on receiver tube of parabolic trough collector with continuous helical fins", International Conference on Mechanical and Building sciences (ICMBS 2019), 27th and 28th March 2019, SNS college of Technology, Coimbatore- 35.
- B.D Wadekar, "Parametric Optimization of Heat sink Using Multi Objective Optimization Method" in International Journal of Emerging Technologies and Innovative Research, Volume 6 Issue 6, June 2019.
- B.D Wadekar, Presented a paper in national conference held in Cambridge Institute of Technology, Bangalore on May 3<sup>rd</sup>& 4<sup>th</sup> 2019.
- K S Madhu, "Experimental Investigation of Heat Transfer In Helical Coil Heat Exchanger By Varying Angles With CFD Analysis" International Conference ICRAME2K19 organized by the T John Institute of Technology from March 2019.
- Madhu K S, "Experimental Investigation of Heat Transfer In Helical Coil Heat Exchanger By Varying Angles With CFD Analysis" International Journal Of Research And Analytical Reviews E-ISSN 2348-1269, P-ISSN 2349-5138 UGC approved, paper ID IJRAR1AM913, held during June 2019.

- Anand A published a journal in Journal of Emerging Technologies and Innovative Research titled "Conversion of Biodegradable Waste into Compost" ISSN UGC approved (Journal No:63975) & 5.87 Impact Factor published in Volume 6 Issue 5, May -2019.
- M. Karthikeyan, K. Arul Raj, M.P. Arunkumar, P.K.C. Kanigalpula "Tribological and vibrational characteristics of AISI 316L tested at elevated temperature and 600 Torr vacuum". Defence Technology, ELSEVIER, Volume, February 2019, Pages 58-64.
- 10. Karthikeyan Muthu, ChockalingamPalanisamy, Natarajan Chinnasamy, "Influence of Process Parameters on Rapid Prototype Part Using Response Surface Methodology ", An International Journal of Journal of Engineering Technology and Applied Physics, Vol 1 No 1, 2019, PP 4-7.
- Vishwanath K.C "Investigation of Effect of Mechanical Properties of Different Shaped Notched Around The Specimen under Friction Stir Hole Expansion" to International Journal Of Engineering Sciences & Research Technology (IJESRT), ISSN: 2277-9655, Impact Factor: 5.164, CODEN: IJESS7, Vol. 7 Iss. 8, August-2018,DOI: 10.5281/zenodo.1345627.
- 12. Shivalingaiah. K published research article "Yoga, A way of Life and a Boon to the Mankind-Interactive insights" in college Magazine, Anahata-2018.
- 13. Radhakrishna R.K, Experimental Study On Mechanical Properties Of Woven Hybrid Bamboo And Jute Fibers Reinforced Epoxy Composites International Journal Of Scientific Research In Engineering And Management (Ijsrem) Volume: 03 Issue: 07 | July -2019, Issn: 2590-1892.
- Radhakrishna R.K "Impact Toughness of Woven Bamboo & Jute Fiber Reinforced Epoxy Hybrid Composites" at Cambridge university, on 3<sup>rd</sup> and 4<sup>th</sup>April 2019.
- 15. Praveen Kumar S.P "Characteristic study of Aluminum based Metal Matrix Composite with hybrid mixture of Alumina and Zinc Oxide" in National Conference on Emerging Trends in Mechanical Engineering Trends 2019. at JSS Academy of Technical Education, Bangalore.

## Faculty participation in FDP. Workshop in Academic year 2018-19

- Anand A National Level Seminar on "Additive & Advanced Manufacturing" conducted from 29<sup>th</sup> -30<sup>th</sup> July 2019, by Department of Mechanical Engineering, held at Bangalore Institute of Technology.
- Dr.satheesha V participated in workshop on "Product Design and Innovation Workshop 2019" on 21<sup>st</sup>-25<sup>th</sup> January 2019 organized by Department of Mechanical engineering, UVCE Bengaluru.

- 3. Dr. N Sreenivasalu Reddy, participated in Two day state level exhibition / seminar project entitled "Experimental study of heat transfer on receiver tube of parabolic collector with continuous helical fins", held at Bapuji Institute of Engineering and Technology, Davanagere, 10<sup>th</sup>& 11<sup>th</sup> August 2018, supported by Department of science and Technology, Government of Karnataka and Department of Science and Technology, Government of India
- 4. Dr. N Sreenivasalu Reddy, participated in Two day state level exhibition / seminar project entitled "Design and fabrication of dual purpose refrigerator for agriculture", held at Bapuji Institute of Engineering and Technology, Davanagere, 10<sup>th</sup>& 11<sup>th</sup>August 2018, supported by Department of Science and Technology, Government of Karnataka and Department of Science and Technology, Government of India.
- Dr. N Sreenivasalu Reddy, Dr.Vishwanath K.C participated in Two day state level exhibition / seminar project entitled Experimental study of heat transfer on a rotating receiver tube of parabolic trough collector, Funded by KSCST, IISc, Bengaluru, 2019, held at KLECE, Belgaum.
- Dr. N Sreenivasalu Reddy, participated in Two day state level exhibition / seminar project entitled Conversion of biodegradable waste into composite, Funded by KSCST, IIsc, Bengaluru, 2019, held at KLECE, Belgaum.
- Shivalingaiah.K attended Two day National conference on Modern Trends in Mechanical Engineering[MTME-2017] 19<sup>th</sup> and 20<sup>th</sup> May2017 Organized by Department of Mech Engg, RajaRajeswari College of Engineering, Bengaluru-74.
- Shivalingaiah.Kattended 'workshop on vocational courses' conducted by AICTE, on 19<sup>th</sup>March 2018 at Atria Institute of Technology, Bangalore.
- Shivalingaiah.K attended One day Technical Seminar on Future of product development in Real world Engineering-2018 14<sup>th</sup> July2018 Organized by Dheya Engineering technologies Pvt.Ltd,Bangalore.
- Shivalingaiah.K attended Two day National conference on "High Temperature Tribology Conference (HTTC-2018)" on 3<sup>rd</sup> 4<sup>th</sup> Sept.2018 organized by 'DUCOM INSTRUMENTS', Bangalore.

#### 4 Days Staff Development Program on

## "Altair Hyper Works" 10<sup>th</sup> to 13<sup>th</sup> Sep 2018

#### **Program Report**

On day 1 Prof.Radhakrishna R K highlighted new technologies that have made it more accessible to computer-aided machine drawing for all is the next step in the future Dr. R Shankara Reddy addressed the supply chain operation effectively as it reduces costs, while delivering products to the customers when they want it, how they want it.

On day 2 Use the intuitive direct modeling capabilities to rapidly create and evaluate design alternatives. Introduce new geometry revisions directly on the existing FE model.

On day 3The solution-specific workflows enhance a growing number of engineering processes including fatigue analysis, concept design optimization, CFD modeling, and design exploration. Each provides a meticulously designed and intuitive user interface, differentiated for each user profile while remaining consistent and easy-to-learn

On day 4 Decrease model build time with efficient workflows including geometry creation and editing, mid-surface extraction, surface meshing, and mid meshing, mesh quality correction.

Academic Year	Name of the Program	Duration	Date	No students attended	
2018-19	Six Days Basic Training Program On "OpenFoam"	6 days	11 <sup>th</sup> to 16 <sup>th</sup> , Feb, 2019	320	
Name of the Resource Persons	<ol> <li>Dr. Sreekanta Murthy S. Regional Manager, South India, Bangalore.</li> <li>Dr.Vinay Kumar B., Assistant manager Technical Support, Bangalor</li> <li>Mr.Pradeep, Assistant manager Sales Design Tech systems Pvt. Limited, Bangalore</li> </ol>				

#### Certificate/ Add-on program

	Class Toppers List Academic Year 2018-19						
SEMESTER		I <sup>st</sup> Topper	2 <sup>nd</sup> Topper	3 <sup>rd</sup> Topper			
8 <sup>th</sup>	USN: NAME: SGPA:	1RR15ME020 BASAVARAJ MALLAPPA MELENNAVAR 9.05	1RR15ME052 M CHANDU 8.90	1RR15ME066 NITISH DUNDAPPA 8.85			
7 <sup>th</sup>	USN: NAME: SGPA:	1RR15ME033 GANESH NARAYAN KARIKANTRA 8.67	1RR15ME101 SUMMUKHA J 8.38	1RR15ME101 HARSHITH S 8.13			
6 <sup>th</sup>	USN: NAME: SGPA:	1RR16ME107 SANTHOSH O 8.81	1RR16ME104 SAMMEDH JAIN T A 8.58	1RR16ME080 PUNITH Y 8.31			
5 <sup>th</sup>	USN: NAME: SGPA:	1RR16ME104 SAMMEDH JAIN T A 8.04	1RR16ME107 SANTHOSH O 7.96	1RR16ME080 PUNITH Y 7.69			
4 <sup>th</sup>	USN: NAME: SGPA:	1RR17ME128 VINEETH V 8.64	1RR17ME059 MIR MOHAMMED SAIFUDDIN 8.36	1RR17ME134 YATHISH KUMAR B L 8.07			
3 <sup>rd</sup>	USN: NAME: SGPA:	1RR18ME410 VIKAS H 8.71	1RR17ME058 MARVEL M VAZ 8.68	1RR17ME128 VINEETH V 8.64			
2 <sup>nd</sup>	USN: NAME: SGPA:	1RR18ME019 KIRAN H Y 9.05	1RR18ME054 VIKAS GURUSIDDAPPA HINTNALLI 8.1	1RR18ME006 AMOGH M K 7.95			
1 <sup>st</sup>	USN: NAME: SGPA:	1RR18ME002 AKASH GURUSIDDAPPA HITNALLI 8.8	1RR18ME019 KIRAN H Y 8.7	1RR18ME054 VIKAS GURUSIDDAPPA HINTNALLI 8.6			

## 5 Days Faculty Development Program on Recent Advances in Engineering Materials On 27<sup>th</sup> Nov to 01<sup>st</sup>Dec 2018

On day 1 FDP started with inaugural function at 9:30am followed by 1st session from Dr. Ramachandra delivered a talk on Introduction to Smart Materials. 2nd session was by Dr. R Shankara Reddy deliverd a talk on Science of Materials.

On day 2 Prof. Shivalingaiah L delivered a talk on Advanced Surface Treatment of Materials. Dr. Ajith Spoke at length on Fabrication of Advance Engineering Materials. Post lunch session was on the topic Material Characterization by Dr.Jobish John.

On day 3, Dr. Ajith delivered a talk on surface engineering in the first session followed by composite materials by Dr. R Shankara Reddy. Post lunch session was on Polymer Nano Composites by Dr.Jobish John.

On Day 4 was exclusive industrial visit to MEMS division in IISc (Tata institute). A very brief introduction to MEMS by Dr.Rudhrapratap was an eye opening session.

On Day 5, Dr.Prithviraj R D delivered a talk on hybrid materials which was followed by valedictory function and certificate distribution.



Inauguration of FDP



Dr. Ramachandra delivered a lecture on Recent Advances in Engineering Materials

## **Students Project Exhibition**





Conducted Students Project Exhibition on 20<sup>th</sup> May 2019 for Mechanical engineering students. 95 Students participated in the exhibition and exhibit their projects. Dr. Siddesha H.S, Dr.SivaSubramaniyam R, and Professor's from ACS College of Engineering Bengaluru evaluate the project.

#### **"ORIENTATION COURSE"**





"Orientation course on computer software" was organized and conducted by VTU regional centre, Bengaluru from 18/03/2019 – 20/03/2019 & 25/03/2019 – 27/03/2019. Dr.BadariNaryan, Mr.P.Ramesh Kumar, Mr. H R Sudarshan Prasad from Centre of Excellence Aerospace and Defensedelivered the computer software such as 3D EXPERIENCE R2017X and ABAQUS CAE, Design of aircraft, product design process, product design management, 3D experience software advantages and a foundation course for developing skill in aircraft, Controlling system of aircraft, Introduction about the avionics system, software used in the aircraft design and the classification, functions, controlling system used in the aircrafts

## **TECHNICAL TALK**



Conducted "TECHNICAL TALK" on "Orientation Program on Manufacturing Process, Personality Development and Entrepreneurship for Mechanical Engineers" on 6<sup>th</sup> March 2019. Dr.Thungaraju G D, Founder of PEOPLE MECHANICS COMPANY delivered the lecture. \*\*\*\*\*

#### **Startups and Entrepreneurship**

Mechanical Engineering organizing Startups and Entrepreneurship on 28<sup>th</sup> February 2019.Resource Person: Mr.Rahul, RRCE Alumnus



Conducted "TECHNICAL TALK" on "AUTOMATION TECHNOLOGY "to the students of Mechanical Engineering students on 23<sup>rd</sup> Feb 2019. Mr. Santhosh M S, DCIN/SSD (Drive and Control Academy), Senior Manager, Rexroth Bosch Group to give the lecture on Automation Technology.



Conducted "TECHNICAL TALK" on "PRIVY TO THE ART OF AUTOMATION" "to Students of the Mechanical engineering department on 20<sup>th</sup> February 2019. Mr.Suhas B Srihari, Assistant Professor, Embedded Developer of GTTC Group to give the information about automation.

#### **Technical talk on Computer Integrated Manufacturing**

Conducted a technical talk on "Computer Integrated Manufacturing" for the Mechanical engineering students on 25<sup>th</sup> April 2019. Mr.Ravindra Padasalagi, Ex. HAL DGM delivered the concepts of CIM and its processes, and applications to the students.

#### **Mexelerate 2K19**

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Conducted National Level Student Symposium on 23<sup>rd</sup> to 24<sup>th</sup> April 2019. Dr. Girish, Professor &Head of Department of Mechanical Engineering, AMC College of Engineering delivered the address and distribute the prizes to the students who participated in different events.

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#### **Faculty Development programme**



Faculty Development Program on Industry 4.0 for Manufacturing Industry was organized and conducted on 10th April 2019. Mr. Ramaprakash Holla, DPS,(MD), Bengaluru delivered the lecture to the faculties and the students of all years.

## **3 Days Staff Development Program on**

"CIM & Automation" 20<sup>thto</sup> 22<sup>nd</sup> May 2019

# Program Report

On day 1 Prof.Anand highlighted new technologies to impart knowledge of CIM and Automation and different concepts of automation by developing mathematical models. To make students to understand the Computer Applications in Design and Manufacturing CAM leading to Computer integrated systems. Enable them to perform various transformations of entities on display devices

On day 2 To learn CNC part programming using CAM packages. Simulation of Turning, Drilling, Milling operations. 3 typical simulations to be carried out using simulation packages like: Cadem CAM Lab-Pro, MasterCAM. Program generation using the software. Optimize spindle power, torque utilization, and cycle time. Generation and printing of shop documents like process and cycle time sheets, tool list, and tool layouts. Cut the part in single block and auto mode and measure the virtual part on screen. Post processing of CNC programs for standard CNC control systems like FANUC, SINUMERIC and MISTUBISHI.

On day 3 Robot programming: Using Teach Pendent & Offline programming to perform pick and place, stacking of objects. Pneumatics and Hydraulics, Electro-Pneumatics, typical experiments on Basics of these topics to be conducted.

## **Staff Training Program on Computer Integrated Manufacturing Tools and Training**



Conducted Staff Training Program on "Computer Integrated Manufacturing Tools and Training " and given the demonstration of various CNC machining program for Mechanical Engineering Staff from24<sup>th</sup> to 28<sup>th</sup> June 2019.

## **Staff Training Program on Computer Integrated Manufacturing Tools and Training**



Conducted Staff Training Program on "Computer Integrated Manufacturing Tools and Training " and given the demonstration of various CNC machining program for Mechanical Engineering Staff from24<sup>th</sup> to 28<sup>th</sup> June 2019.



**One week FDP on Thermal Power Engineering** 

Students welcoming the gathering



Faculty participation during the FDP

Faculty Development Program on "Thermal Power Engineering" conducted from 22<sup>nd</sup> to 27<sup>th</sup>July 2019. Faculties from various engineering colleges attended the programme.

#### Karnataka State Council for Science and Technology

## KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY

Indian Institute of Science Campus, Bengaluru – 560 012 Website: http://www.kscst.iisc.ernet.in/spp.html || Email: spp@kscst.iisc.ernet.in || Phone: 080-23600978

#### STUDENT PROJECTS PROGRAMME: 42<sup>nd</sup> SERIES - STATE LEVEL SEMINAR AND EXHIBITION

#### List of Projects Selected for State Level Seminar and Exhibition (S&E) to be held at

#### K.L.E. Dr. M.S. Sheshgiri College of Engineering and Technology, Udyambag, Belagavi on 26<sup>th</sup> and 27<sup>th</sup> July 2019

SI. No.	PROJECT REFERENCE NO.	PROJECT TITLE	BRANCH	NAME OF THE GUIDE	NAME OF THE CO-GUIDE	NAME OF THE TEAM LEADER	NAME OF THE STUDENT 2	NAME OF THE STUDENT 3	NAME OF THE STUDENT 4	SEMINAR OR EXHIBITION
229.	425_8E_0994	SMART HELMET FOR ACCIDENT PREVENTION AND COAL MINES SAFETY MONITORING AND ALERTING SYSTEM	INFORMATION SCIENCE AND ENGINEERING	Mrs. NEHA SINGHAL	2	Mc. SWETHA B	Mc. BHAVYA SHREE R	Mt. DISHA K V	2	EXHIBITION
230.	425_BE_2490	CONVERSION OF BIODEGRADABLE WASTE INTO COMPOSTE	MECHANICAL ENGINEERING	Prof. N SREENIVASALU REDDY	Prof. ANAND	Mr. AKSHAY L	Mr. AJITH M	MF. K MADHUSUDHA N	Mr. PRASHANTH REDDY	EXHIBITION
231.	425_8E_2491	EXPERIMENTAL STUDY OF HEAT TRANSFER ON A ROTATING RECEIVER TUBE OF PARABOLIC TROUGH COLLECTOR	MECHANICAL ENGINEERING	Prof. N SREENIVASALU REDDY	Dr. VISWANATH K C	Mr. YASHAWANTH S M	Mr. NITISH.D. MUTTUR	Mr. PRAMOD MOHAN HEGDE	Mr. RAHUL PRAKASH, S	EXHIBITION
232.	425_BE_3032	DESIGN AND FABRICATION OF GOBAR GAS BASED REFRIGERATOR SYSTEM	MECHANICAL ENGINEERING	Prof. N SREENIVASULU REDDY	Dr. VISHWANATH K.C	Mr. SANDESH M.K	Mr. SHASHANK.G	Mr. RENUKA RAJ	Mr. SACHIN MALABADI	EXHIBITION

Note:

You are requested to send the hard bound copy of the project report along with softcopy of the full report in a CD in PDF format.

Any corrections with respect to Guide and Students name, kindly send an email regarding the same to spp@kscst.lisc.ernet.in.



Dr.SreenivasaluReddy N, Assoc. Prof, Dr. Vishwanath K C, Assoc. Prof, Bengaluru participated in the State level seminar and Exhibition organised and conducted by Karnataka State Council for Science and Technology during 26<sup>nd</sup> & 27<sup>th</sup> July 2019.

#### **Carrier Guidance Program**





Conducted "Carrier guidance" on Study Metro on 02<sup>nd</sup> February 2019. Mr.Abhinav, Bajaj Group give the information about higher studies to Students of Mechanical department. \*\*\*\*\*

#### **Technical Seminar**





Conducted "Technical talk for Mechanical and Electrical Engineering Students on HVAC (Heating Ventilation Air-Condition) & MEP Industry, Job Profile, Scope of Work, Industry Demand on 22<sup>nd</sup> October 2019 by PRINSTON SMART ENGINEERS.

## **Industrial Visit**



4<sup>th</sup> Semester, Mechanical Engineering students visited the M/sDistinct Productivity Solutions, Bengaluru on 9<sup>th</sup> April 2019 and 23<sup>rd</sup> October 2019. Mr.Akshay, OE Engineer and Mr. Rama Prakash Holla Managing Director of Distinct Productivity Solutions explained the various process of their industry.



4<sup>th</sup> Semester, Mechanical Engineering students visited the M/s Bharat Fritz Werner Ltd, Bengaluru on 9<sup>th</sup> April 2019. Mr.Jagath.P, Assistant Manager of Bharat Fritz Werner Ltd explained the various process of their industry.

Students of 5<sup>th</sup>-semester Mechanical Engineering visited to TD Power Systems Private Limited, Dabaspet, Nelamangala Taluk, Bengaluru – 562 111 on 05<sup>th</sup> April 2019. \*\*\*\*\*

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#### **INDUSTRIAL VISIT**



6<sup>th</sup> Semester, Mechanical Engineering students visited the "Karnataka Milk Federation (KMF)-Mother Dairy" 1ST Main Road, Maruthi Nagar, Yelahanka Bangalore, Karnataka 560064on 21<sup>st</sup> March 2019.

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6<sup>th</sup> Semester, Mechanical Engineering students visited the "M/s Parsons Nutritionals Pvt ltd" Plot No-319C, 320A & B, 321, Second Phase, Harohalli Industrial Area, Kanakapura-Taluk, Ramnagar-Dist, Bengaluru - 562112, Karnataka on 7<sup>th</sup> March 2019.

## \*\*\*\*\* IOT Hardware

Organized IOT Hardware on 19<sup>th</sup> March 2019 to the students of Mechanical Engineering students. Mr.Akshay Honnappa and Team explained the various IoT principles and the hardware used to develop the automation system for mechanical engineering machines.

#### **Industrial Visit**



6<sup>th</sup>Semester, Mechanical Engineering students visited the "Government Tool Room and Training centre", Rajajinagar Industrial Estate Bangalore on 27<sup>th</sup> February 2019.

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4<sup>th</sup> Mechanical Engineering Students visited the "Government Tool Room&TrainingCentre", Bangalore-560010 on 19th February 2019Resource Person: Mr.Suhas B Srihari, Assistant Professor. Embedded Developer. GTTC Group to give the information to Students in the Mechanical department.



4<sup>th</sup> Mechanical Engineering Students visited the "Government Tool Room & Training Centre", Bangalore-560010 on 12<sup>th</sup> February 2019. Mr.Suhas B Srihari, Assistant Professor, Embedded Developer, GTTC Group to give the information to Students in the Mechanical department.





7<sup>th</sup>-semester Mechanical Engineering Students visited the Indian Machine Tool Manufactures Association, BIEC, 10th Mile, Tumkur Road, Madavara Post, Bangalore -562123 on 5<sup>th</sup> October 2018 and gain knowledge about the practices of the manufacturing industry.

#### **Industrial Visit**



5<sup>th</sup> Mechanical Engineering Students visited the "TD Power Systems Private Limited 23<sup>rd</sup> October 2018. Mr. Sathish Shetty, Engineer and Mr. Vidyadhar, Engineer KIADB Industrial Area, Dabaspet, Nelamangala Taluk, Bengaluru – 562 111 to give the information about the power systems manufactured to the students.

3<sup>rd</sup> Mechanical Engineering Students visited the M/s Bharat Fritz Werner Ltd. On 23<sup>rd</sup> October 2019. Mr. Chandrashekar.N.Sajjan, Dy. General Manager of Bharat Fritz Werner Ltd, Off Tumkur Road, Bangalore – 560022 to give information to students about their industry.





7<sup>th</sup>-semester Mechanical Engineering Students visited the Indian Machine Tool Manufactures Association, BIEC, 10th Mile, Tumkur Road, Madavara Post, Bangalore -562123 on 5<sup>th</sup> October 2018 and gain knowledge about the practices of the manufacturing industry.

#### **Technical Talk**



Conducted "Technical talk for 7<sup>th</sup>semMechanical Engineering Students on "AUTOMATED SYSTEMS" by FANUC India Pvt, Ltd, Bengaluru on 7<sup>th</sup> September 2019. Mr.Pradeep Kumar, Manager, FANUC India Pvt, Ltd, Bengaluru participated and delivered the lecture.

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#### **Newsletter Co-ordinators**

Dr.H.R.Yeshovanth, Prof and HoD Dr. R. Shankara Reddy, Prof Dr. M N Shankar , Prof Dr. Mohan Raj R, Prof Dr.M.Karthikeyan, Prof Prof. C. Ramesh, Asst. Prof Prof.SreenivasaluReddyN, Asst. Prof Prof.Pramod V Koujalagi, Asst. Prof Prof.Thanuj Kumar M,Asst. Prof Prof. Vishwanath K C, Asst. Prof Prof.Satheesha V, Asst. Prof **Prof Dhanajay B S,Asst. Prof Prof.Anand A, Asst. Prof Prof.Praveen Kumar S P,Asst. Prof** Prof. Wadekar B R, Asst. Prof Prof. Madhu K S, Asst. Prof Prof.Radhakrishna R K.Asst. Prof Prof.Ravi Kumar T, Asst. Prof Prof.MadhusudhanM,Asst. Prof Prof.Shivalingaiah K, Asst. Prof Prof. Mahendra H M Asst. Prof Prof. Ravikiran ,Asst. Prof Prof. YellapaM ,Asst.Prof Prof. Deepthi H M ,Asst. Prof Prof .Ningappa D Kunabeva, Asst. Prof Prof.DruvakumarMallappa, Asst Prof

# **Center of Excellence**



# R & D and Innovation Centre



**Department of Mechanical Engineering** 

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