

Department of Mechanical Engineering Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

MechNEWS 2018-19

PRESIDENT MESSAGE

I am incredibly glad to know the release of fourth edition of MechNEWS letter. Since our educational program has to give more accentuation on the overall development, I would like our students to involve more actively in co-curricular activities along with their academics. I trust that this Newsletter has depicted every activity in the department, and I wish all students very best and extend our full cooperation and support for the rest of your stay with us.

FROM PRINCIPAL DESK

I compliment the editorial group for the timely release of its fourth edition of academic year Newsletter. As a principal I have the belief that our faculty is focused not only on the best academic outcome but also on supporting to focus more on co-curricular activities. Hope the regular release of these newsletters will motivate and encourage more participation from our students.

AT A GLIMPSE

Guest Lecture
Industrial Visit
Workshop Attended / Conducted
Students Achievements
Publications
Sports Activities
Department Toppers

PATRONS

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President, GVET
Sri. Raoul Kengal Vardhan
Vice President, GVET
Dr. Syed Ariff
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Mr. Manjunatha Babu N S
Associate Professor

TOPPER OF THE BATCH



Jai Ashwin Kumar B
(1GV15ME016)

ABOUT THE DEPARTMENT

The department of Mechanical Engineering was started in the year 1986 offering only UG course, but in 2014 PG course was also offered in Machine Design Specialization. The department is fully equipped for effective delivery of courses and Laboratories with a dynamic faculty, whose expertise spans the range of disciplines in design, thermal and production streams.

In addition it also provides an outstanding learning environment and it is a regular practice to invite people from industry & academia by arranging guest lecturers/ seminars in order to provide an exposure of practical aspects of Mechanical Engineering.

The department continues its research centre under VTU and many of our faculty members are engaged in research. The fourth edition of MechNews provides an outlook of department activities for this academic year.

VISION OF THE DEPARTMENT

To transform the students into technically competent Mechanical Engineers nurturing them in learning sustainable and innovative technology with professional ethics and social concern.

MISSION OF THE DEPARTMENT

M1 - Striving to empower students with fundamentals in the field of Mechanical Engineering with innovative, managerial and professional skills.

M2 - To create an environment for progressive learning through industry institute partnership.

M3 - Imparting quality technical education stressing on new technology with professional ethics for the benefit of the society.

PROGRAM EDUCATIONAL OBJECTIVES (PEO)

PEO-1 Graduates shall have successful career in Mechanical Engineering with sound fundamental knowledge in science and engineering practice.

PEO-2 Graduates shall be professional in applying Mechanical engineering principles with a focus on innovation, research and having awareness of societal impact.

PEO-3 Graduates shall have ability to work in a team with professional ethics, good communication skills to achieve lifelong learning.

PROGRAM SPECIFIC OBJECTIVES (PSO)

PSO-1 Apply principles of Mathematics, Basic science and Engineering technology to solve Mechanical Engineering problems.

PSO-2 Design components or processes in the areas of Mechanical Engineering.

PSO-3 Perform thermal analysis and implement mechanical systems in domain specific industries.

GUEST LECTURE



Students of 5th & 7th semester, attended a lecture on "Advancements in Automobile Crash Safety" on 01st Sep 2018 by our Alumni Mr. Saravanan B N, General Motors, Bangalore.



A Guest lecture on "Product Life cycle management"& on "A look into the software industry and the opportunities available" was arranged on 22nd Sep 2018 for students of 3rd and 5th Sem by our Alumni Mr. Athmanand, Team Lead, SKF Bearing Technologies and Mr. Anand Ramakrishnappa, Principal member of technical staff, Oracle India Pvt Ltd., respectively.

On 16th Nov 2018 for the students of Mechanical & Computer Science Engg., a lecture on "Basics of ERP implementations in Industry & Technical Institution" was organized by Mr. Ramesh Kumar, Assistant



General Manager, ERP Department, EM Division, BEML Ltd -KGF.



Technical talk on "Emerging Opportunities in the Mechanical Engineering Industry" by Phaniraj Bhatt, Director, M/s. Seven Seers consulting Bangalore on 04th March 2020.

INDUSTRIAL VISIT



Students and faculty members during the visit to Ms. Bill Forge Private Limited, Bangalore.

Students of 8th-semester accompanied by Mr. Sampath A and Mr. Ganesh Kumar P.J, Assistant Professor visited "Ms. Bill Forge Private Limited, Bangalore" on 3rd April 2019. The students got exposure on manufacturing industry and stamping process.

WORKSHOP ATTENDED

Dr. Narasimha. C, Associate Professor has attended Six days Faculty development program on "Machine Intelligence and Soft Computing" from 10th to 15th June 2019 organized by the School of Computing and Information Technology, Reva University, Bangalore.

Mr. Manjunatha Babu N.S, Associate Professor has participated in the Online Certified Faculty development program on "Intellectual Property Rights" from 24th to 28th June 2019 conducted by Chase Technologies

WORKSHOP CONDUCTED



A four day's workshop from 22nd to 25th Oct 2018 was conducted for students of 5th & 7th semester on Industrial Automation by Mr. Mohan Shamanna, Chief Executive and Mr. Mohammed Azhar, Chief Engineer from Future Jobs Academy, Bangalore.

STUDENTS ACHIEVEMENTS

Mr. Venugopal and Mr. Salauddin, 5th Sem students won III place in Quiz organized by BEML Ltd – KGF during their Vigilance Awareness week on 31st Oct 2018.

PUBLICATIONS


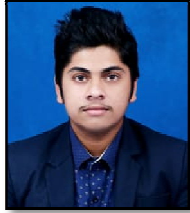







- Mr. Rahul Basappa Hadapad, Dr. H. G Shenoy Professor, Mr. Pruthvi H. M. and Mr. Sagar. S, Assistant professor, presented a paper on "Design and Development of Energy Efficient Domestic Water Heater Using Smart Materials" at ICRTTEAS - 2019 held at Dr. TTIT - KGF and the same is published in International Journal for Current Engineering and Scientific Research (IJCESR), Vol 6, Issue 6, 2019.
- Mr. Pradeep. S, 6th Semester and Mrs. Anitha Devi S.H, Assistant professor, presented a Paper on "Strengthening the Efficiency of Air Craft by Harvesting the Air" at ICRTTEAS - 2019 held at Dr. TTIT- KGF and the same is published in International Journal for Current Engineering and Scientific Research (IJCESR), Vol 6, Issue 6, 2019.
- Mr. Deepak. K, Ms. Nandhini, Ms. Keerthana of 8th Semester and Mrs. Anitha Devi S. H, Assistant Professor, has won a best paper award for the paper "Design and Fabrication of Automatic Tire Inflation System" at ICRTTEAS - 2019 held at Dr. TTIT- KGF.
- Mr. Deepak. R & Mr. Agilesh Athithya. S, 8th Semester, Mr. Pruthvi. H.M and Mr. Dileep. R, Assistant Professor, Dr. H.G Shenoy, Professor, presented a paper on "Quantification of Leanness in Indian Garments Industries" at ICRTTEAS - 2019 held at Dr. TTIT- KGF.

- Mr. Deepak. R, Mr. Vinay. M, Mr. Agilesh Athithya. S of 8th Semester Mr. Pruthvi H.M. Assistant Professor, Mr. Dileep. R, Assistant Professor and Dr. H. G. Shenoy, Professor, have presented a paper on “Application of VSM in Indian Garments Industries: A case study” at ICRTTEAS - 2019 held at Dr. TTIT- KGF.
- Mr. Rahul Basappa Hadapad, Dr. H.G. Shenoy, Professor, Mr. Pruthvi H.M, Assistant Professor, and Mr. Dileep. R, Assistant Professor, have presented a paper on “Evaluation of Mechanical behavior of Betel Palm-Jute fabric reinforced composite” at ICRTTEAS - 2019 held at Dr. TTIT- KGF.
- Dr. H. G. Shenoy, Professor, Mr. Sagar S, Mr. Pruthvi H. M, Assistant Professor, Mr. Dileep. R, Assistant Professor, presented a paper on “Evaluation of Performance and Emission Characteristics of 4-Stroke Diesel Engine for various blends of Biodiesel” at ICRTTEAS – 2019 held at Dr. TTIT- KGF.
- Dr. Manish K.R. Mishra, Associate Professor presented a paper on “Algorithms of Minimal number of sensors placement for leak detection in pipe networks using PSA” in 2nd international conference on application of mathematics to nonlinear sciences - AMNS 2019 from 27th to 30th June 2019, Pokhara ,Nepal.

SPORTS ACTIVITIES

- Mr. Adnan S M, 5th Semester student was selected for VTU North Zone cricket team held at R L Jalappa Institute of Technology - Doddaballapur on 21st & 22nd September 2018.
- Mr. Kishore S M, 5th Semester stood 4th Position in Triple Jump & Mr. Sanjay 5th Semester stood 5th Position in 200 mtrs run in 21st VTU Athletic meet held at SJC Institute of Technology -Chickballapur from 26th to 29th Nov 2018.

DEPARTMENT TOPPERS

	FIRST PLACE	SECOND PLACE	THIRD PLACE
SECOND YEAR	 Syed Raiyan Ahmed (1GV17ME029)	 H Pradyumna (1GV17ME013)	 Abhishek Kumar Sharma (1GV17ME002)
THIRD YEAR	 Swetha P (1GV16ME043)	 Gnanendra Reddy G (1GV17ME402)	 Venu Gopal A (1GV16ME046)
FINAL YEAR	 Immanuel N (1GV15ME015)	 Jai Ashwin Kumar B (1GV15ME016)	 Santhosh J (1GV15ME033)