

Research and Publications

1. J. Laxman, Dr. K. Eswaraiah, "Effect Of Electric Discharge Machining Process Parameters on Titanium Super Alloy", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, June 2018, Vol 5, Issue 6, Pages 511-517.
2. J. Laxman, Dr. K. Eswaraiah, Dr. P. Prabhakara Rao, "Experimental Study of Drilling Process Parameters on Aluminum Metal Matrix Composites", Journal of Emerging Technologies and Innovative Research (JETIR), ISSN: 2349-5162, June 2018, Vol 5, Issue 6, pages 1601-1606
3. V. Rakesh, P.S.S. Murthy and Dr.K. Eswaraiah "Testing of isomorphism in kinematic chain G.A based case study" International Journal of Modern engineering and research technology, vol 5, ISSN 2348-8565, June 2018. Page no.365-371
4. Dr. P. Venkateswara Rao, D. Prabhakara Chary, "Diethyl ether additive effect in the performance of single cylinder D I diesel engine with B20 Biodiesel blend fuel", International Journal of Advanced Engineering Research and Science, ISSN: 2349-6495(P) 2456-1908(O), Nov 2018, 5(11), pp. 171-176.
5. Dr. P. Venkateswara Rao, D. Prabhakara Chary, "Characteristics comparison of Biodiesel-Diesel Blend (B20) Fuel with Alcohol Additives", International Journal of Advanced Engineering Research and Science, (IJAERS), Vol-5, Issue-8, Aug- 2018, pp. 128-132
6. Dr. P. Venkateswara Rao, "Role of Triacetin additive in the performance of single cylinder D I diesel engine with COME biodiesel", International Journal of Advanced Engineering Research and Science, ISSN: 2349-6495(P) | 2456-1908(O), August 2018, 5(8), pp. 128-132.
7. Hari Kumar Andem, Dr. P. Ramesh Babu, "Tribological Behaviour of Alumina as a Lubricant Additive" International Journal of Modern engineering and research technology, vol 5, ISSN 2348-8565, June 2018 Page no.273-282

Conferences attended by the Faculty

1. J. Laxman, Dr. K. Eswaraiah, "Effect Of Electric Discharge Machining Process Parameters on Titanium Super Alloy", 3rd International Conference on Innovation Trends in Engineering, Applied Science and Management (ICITE-ASM-2018), ISBN 9778-93-87433-24-4, 24th June 2018, pp-289-295.
2. J. Laxman, Dr. K. Eswaraiah, Dr. P. Prabhakara Rao, "Experimental Study of Drilling Process Parameters on Aluminum Metal Matrix Composites", 3rd International Conference on Innovation Trends in Engineering, Applied Science and Management (ICITEASM-2018), ISBN 9778-93-87433-24-4, 24th June 2018, pp-430-435.
3. V. Srikanth, Dr. K. R. Narendar Reddy, Dr. D.K. Nageshwar Rao, T. Ramu, "Processing and Evaluation of Mechanical Properties Oil Palm Fiber/Kondagogu Gum Bio-Resin Composite", Sixth International Conference on Natural Polymers (ICNP 2018), 7-9, Dec., 2018.
4. T. Ramu, Dr. K. R. Narendar Reddy, Dr. D.K. Nageshwar Rao, V. Srikanth, "Tensile, Flexural & Water Absorption Properties of Randomly Oriented Jute/Palmira Hybrid Fibre Composites", Sixth International Conference on Natural Polymers (ICNP 2018), 7-9, Dec., 2018.
5. Hari Kumar Andem, Dr. P. Ramesh Babu, "An Experimental Study on Aluminium Metal Matrix composite Reinforced with Boron Carbide" 2nd International Conference on New Frontiers in Chemical, Energy and Environmental Engineering (INCEEE-2019), during 29-30, June 2018 MED, University college of Engineering, Osmania University, Hyderabad.
6. Hari Kumar Andem, P. Divya, "Analysis of Laminated Composite using Finite Element Method" 2nd International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMMT 2018) during, 19-20th Nov., 2018, University college of Engineering, Osmania University, Hyderabad. pp. 162

Details of STTPs/ FDPs/ Workshops etc., attended by the faculty

1. Majority of the Faculty have attended programme on "Life Skills" for Engineers (Level 2) organized by Swayam Mooc's during 6th Nov - 20th Dec 2018.
2. Dr. G. Ganesh Kumar & Sri. S. Ramesh attended One week Short term training programme on "NI Lab View Core 1" Organized by Department of EIE, KITSW during 16th - 20th July 2018.
3. Sri. S. Ramesh attended Two weeks Global Initiative of Academic Networks (GIAN) on "Theoretical Aspects of Relative Flows" organized by Department of Mechanical Engineering, NITW during 24th Dec 2018 to 2nd Jan 2019.
4. Sri. A. Hari Kumar, Sri. S. Anil Kumar & Sri. S. Sripathy attended one week Short term training programme on "Engineering Research Methodology" organized by Department of Mechanical Engineering, Osmania University during 18th - 22nd June 2018.

STTPs/ FDPs/ Workshops Conducted by Department of Mechanical Engineering



A one week Short Term Training Program (STTP) on ANSYS was conducted as part of IAAHP under the Department of Mechanical Engineering, KITSW on 12th Nov 2018.

Guest Lectures delivered by Faculty of Mechanical Engineering



Sri. P.S.S. Murthy, Assistant Professor, MED, KITSW delivering a lecture on "Engineering Applications of MATLAB" at KITS Huzurabad on 9th August 2018.



Dr. U. Shrinivas Balraj, Associate Professor, MED, KITSW delivering a lecture on "The Comparison of processing methods of Nano-Composites" at Nava Bharat ventures, Paloncha, on 6th October 2018.



Sri. A. Hari Kumar, Assistant Professor, MED, KITSW delivering a lecture on "Advanced FEM Applications in Iron and Steel sector" at Nava Bharat ventures, Paloncha, on 6th October 2018.



THE PRODIGY

DEPARTMENT OF MECHANICAL ENGINEERING

NEWSLETTER - DECEMBER 2018

Chief Editor:

Dr. K. Eswaraiah
Professor and Head

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Assistant Professor

Sri. S. Anil Kumar
Assistant Professor

Sri. K. Kishor Kumar
Assistant Professor

Students Editorial Board

Mr. K. SHRAVAN ANAND (IV/IV)
Mr. K. AKHIL RAJA (II/IV)

Principal's Message:



I feel proud and honour to write this message because this newsletter is the testimonial of the commitment of the department towards the outcome based education and enhanced student-teacher learning process which is in line with the vision and mission of the department. I hope that the department will strive further to improve the quality of the education and bring laurels to the institute.

Dr. K. Ashoka Reddy

HOD's Message:



It is happy to bring out this newsletter and the best part of the newsletter is that students bagged many accolades and prizes not only in academics but also in extracurricular activities. This newsletter will provide few examples of achievements of the students and faculty in the academic year 2018-19. I am looking forward to more success from the department.

Dr. K. Eswaraiah



Happiest moment with the students got graduated at 35th Graduation Day on 29th Dec 2019 (1st Autonomous Batch)



An group photo with the officials for KITPP Chelapur who among is an alumni of KITSW during the Industrial Visit of Second year students in the month of Sept. 2018

Vision of the Department

- To be a centre of excellence in Mechanical Engineering, to provide the best teaching-learning and research environment, to produce high quality professionals and entrepreneurs to cater the needs of society.

Mission of the Department

- M1: To impart quality education that builds strong ethical attitude, technical knowledge and professional skills by providing congenial teaching-learning environment.
- M2: To nurture the reasoning, problem solving and research capabilities of learners by providing the state-of-the-art facilities, to meet the changing needs of society.
- M3: To inculcate life-long learning and leadership traits for successful professional careers, by counseling and mentoring.

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

- PEO1 : To provide comprehensive knowledge in basic sciences, mechanical engineering and multi disciplinary areas.
- PEO2 : To apply modern tools and techniques to design analyze interpret and solve mechanical and allied engineering problems and communicate them effectively.
- PEO3 : To impart responsibility towards socio-technical, economical, environmental and energy related issues.
- PEO4 : To inculcate professionalism, ethical attitude, team spirit and lifelong learning to achieve career goals.

PROGRAM SPECIFIC OUTCOMES (PSOs)

Engineering Graduates will be able

- PSO1 : To apply learned principles and knowledge in various applications of materials, design, thermal, production and industrial engineering.
- PSO2 : To model, analyze, design, develop and implement advanced mechanical systems or processes.

Placement Orientation Programmes



1. CRT program by TALENTIO from 06.07.2018 to 15.07.2018.
2. AMCAT ONLINE ASSESMENT TEST on 31.07.2018.
3. SOFT SKILLS BY FACE ACADAMY from 01.08.2018 to 11.08.2018.
4. Co-Cubes pre assesment test on 09.15.2018.

Campus Placements

1. Pool Campus Drive by MEDHA SURVO (written test) conducted on 20.09.2019 for 2018-19 outgoing batch .
2. Campus Drive by M/S Raam Group on 22.09.2019.
3. TCS Ninja conducted Final Round on 30.09.2019.
4. M/S.Amara Raja Batteries Ltd. conducted drive on 23.11.2018
5. CAMPUS DRIVE BY M/S VEM technology conducted drive on 27.12.2019

Mechanical Engineering Students Association (MESA) Activities

S.No.	Event Name	No. of Students Participate
1.	Role Play	100
2.	Technical Quiz	150
3.	Guest Lecture	200
4.	Technical Paper Presentation	30
5.	Group Discussion Sessions	100
6.	Mock Interview	70
7.	Cultural Events	200

Student Publications :

1. B. Shradesh Kumar, Dr P.Prabhakara Rao "Predicting the Casting Defects through Simulation" (ICAIETM2017) held at Joginpally B.R. Engineering College, Hyderabad, India. on 28th & 29th December 2018, ISBN: 978-93-87433-06-9
2. J. Pranay Kumar Dr. P. Prabhakara Rao "Production of Copper Metal Matrix Composite through Powder Metallurgy Route"(ICAIETM2017) held at Joginpally B.R. Engineering College, Hyderabad, India. on 28th & 29th December 2018, ISBN: 978-93-87433-06-9
3. K.shravan Anand "Computation of Kinematic Redundancy and its workspace in RRRR planar Kinematic Chain" International Conference on Emerging Trends in Engineering (ICETE), University of Engineering, Osmania University, Hyderabad
4. G. Praharsa "Design and Analysis of Vented Disc Brake Rotor" International Journal of Applied Engineering Research

STUDENTS ACHIEVEMENTS

Sl.No	Name	Name of the Employer
01	GurramPraharsa	Raam Group, Hyd.
02	Vanapakala PavanKalyan	Raam Group, Hyd.
03	Baireddy Tharun Reddy	Raam Group, Hyd.
04	Dokka Shruthi	Raam Group, Hyd.
05	Pittala Abhishiktha Sparsha	Raam Group, Hyd.
06	KalooriPrudhvidhar	Raam Group, Hyd.
07	MinamVamshiBabu	Raam Group, Hyd.
08	Kalvacharla Shiva Krishna	M/S Vem Technology
09	Kothi Priyanka	M/S Vem Technology
10	Komakula Shravan Anand	TCS NINJA



Interactive Session with Raam Group Officials



Interactive Session with Prathiraj Metal Masters Officials

Galleria: Our Cultural and Technical Events



Dr. K. Sridhar Professor of MED and Sri S Anil Kumar Asst. Professor of MED, are receiving each Rs. 10,000/- Under Research Incentive Scheme(RIS) for their SCOPUS indexed journal publications (Springer Link: Applied Solar Energy) from our Chairman and Treasurer along with Principal sir on 24th September, 2018



Closing ceremony of Two day workshop on "Smart Mechanical Systems" as a part of Sumshodhini 2k18 along with Chief Guest and trainee from IMAGINE TO INNOVATE.



Best Research Paper Award being received from Prof. Sabu Thomas during ICNP 2018 at held at Mahatma Gandhi University, Kottayam

INAGURATION OF MECHANICAL ENGINEERING STUDENTS ASSOCIATION (MESA) 2018-19 TEAM



Group Photo with the Office Bearers of MESA 2018-19 Team



MESA introduction by K. Shravan Anand.