

Mechtrix



VVIT Nambur

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Mechtrix is the quarterly newsletter of Mechanical Engineering Department

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About Department

The Mechanical engineering is one of the core engineering departments, which has potential to accommodate all efficient engineers. The Mechanical engineers serve all other branches of engineering directly or indirectly. The Mechanical engineers can find their place in Automobile engineering sector, Electrical Engineering sector, IT sector, manufacturing industries, design industries, Military, Naval and Air force, defiance research organizations, material research organizations etc. The Mechanical Engineering department of the college has been established in the year 2011 with an intake of 60 students.

In the following year the intake of the department was increased to 120. The department has fourteen well equipped laboratories and 34 highly qualified and experienced teaching faculty members. There are six professors; eight associate professors and the rest are assistant professors. Eleven faculty members are doctorates. The remaining faculty members are all M. Tech degree holders and seven of them are pursuing Ph.D. Many of the faculty members have publications in reputed International and National journals.

Department Vision

To impart the knowledge of mechanical engineering with global perspectives for graduates to serve the industry in particular and the society at large through quality education and research.

Department Mission

4. To enable graduates to be technically strong, ethically sound with good communication skills by innovative teaching methods.
5. To provide world class education to mould the students, so that they possess good leadership qualities and professional skills.
6. To create a conducive environment and facilities to improve overall personality development of the students.
7. To create an awareness of the social responsibilities of an engineer.
8. To bond strong relationship with industries to upgrade the knowledge of the students through exposure for cutting edge technologies

Department News

PUBLICATIONS

S.No.	Authors Names	Branch	Title of the Paper	Month & Year of Publication	Name of the Journal
1	Reddy, Y.P., Narayana, K.L., Mallik, M.K. , Paul, C.P. and Singh, C.P.,	ME	Experimental evaluation of additively deposited functionally graded material samples- microscopic and spectroscopic analysis of SS-316L/Co-Cr-Mo alloy	August,2022	Journal of Huazhong University of Science and Technology
2	Y. Pratapa Reddy, K L Narayana, M. Kedar Mallik	ME	Prophecy of wear rate and microhardness of commercial materials by experimentation and artificial neural networks	November, 2022	Materials Today: Proceedings
3	Peddakondigalla, V.B. , Boggarapu, V., Doppalapudi, R., Vikram, L.S., Lakshmi Narayana, K.J., Chokka, S.K. and Syed, I.	ME	Friction and wear performance of surface textured bearing steel AISI 52100: a study of texture distribution	June, 2023	Iranian Journal of Science and Technology, Transactions of Mechanical Engineering.
4	Venkateswara Babu Peddakondigalla , Rajani Doppalapudi, Lakshmi Sunitha Vikram, KJ Narayana, Satyanarayana Kasavajhala, Kiran Kumar Vernapu, SK Saleem , Sai Dilip Kumar Gurugubelli	ME	Effect of graded layers on void formation in metal based functionally graded materials	May, 2023	Advances in Materials and Processing Technologies

5	Boggarapu, V., RamaSreekanth, P.S., Peddakondigalla, V.B. , Mallampati, S.C., Kanakam, R., Ojha, S., Gujjala, J., Valasingam, S.B. and Gujjala, R.	ME	A novel approach to develop and characterize bi- directional aluminum- copper functionally graded material	March, 2023	ARPJ Journal of Engineering and Applied Sciences
6	Vasavi Boggarapu, PS Rama Sreekanth, Venkateswara Babu Peddakondigalla	ME	Microstructure, Mechanical and Tribological Properties of Al/Cu Functionally Graded Material Fabricated through Powder Metallurgy	June, 2023	International journal of Interactive design and manufacturing
7	Babu, P.V. , Ismail, S. and Boggarapu, V.	ME	Surface texturing for reducing sliding friction and wear under dry and lubricated conditions	December, 2022	Journal of Bio- and Tribo- Corrosion
8	Seshagirirao, D.V. , Raju, S. and Mantrala, K.M.	ME	Evaluation of Compression, Wear and Electrochemical Behavior of CoCrMo Alloy Samples Fabricated with Direct Metal Laser Sintering	November, 2022	INTERNATION AL JOURNAL OF AMBIENT ENERGY
9	Seshagirirao, D.V. , Raju, S. and Mantrala, K.M.	ME	Investigation of Impact Strength, Micro Hardness and Metallurgical Analysis of DMLS Fabricated CoCrMo Alloy Samples	November, 2022	Iranian Journal of Science and Technology
10	Seshagirirao, D.V. , Raju, S. and Mantrala, K.M.	ME	Tensile, hardness and metallurgical analysis of laser cured Co-Cr-Mo alloy samples	September, 2022	Noise & Vibration Worldwide
11	Vasavi Boggarapu , P.S. Rama Sreekanth, Venkateswara Babu Peddakondigalla , Phani Prasanthi Parvathaneni, Shakuntla Ojha, Jayachandra Gujjala, Satish Jain, Suresh Babu and Raghavendra Gujjala	ME	Experimental study on tribological behavior of aluminum–copper functionally graded material	December, 2022	International Journal of Ambient Energy
12	M Bala Chennaiah, G Dilli Babu , M Sumalatha, K Dillip Kumar4 , T.Srinivasa Rao , P NandaKumar	ME	Design and Fabrication of multipurpose 3D Printing Machine	May,2023	Advances in Materials and Processing Technologies

NPTEL Certifications

NPTEL National Programming on Technology Enhanced Learning (NPTEL) is an initiative of the seven Indian Institutes of Technology (IIT Bombay, Delhi, Guwahati, Kanpur, Kharagpur, Madras and Roorkee) and Indian Institute of Science Bangalore (IISc) for creating video and web course contents in engineering and science. NPTEL Open Online courses were initiated so that students anywhere can directly learn from faculty in top colleges. While enrollment and learning is free, students can also obtain a certificate from the IITs, based on successful completion of an exam, for which there is a nominal examination fee. Online learning offers a new way to explore subjects that one is passionate about. The following faculty members and students are successfully completed NPTEL Open Online Course for AICTE FDP in Electrical Engineering organized by IITs and IISc During January - April, 2019 Session

S.No	Student Name	Subject	Grade
1	Garikapati Sai Sukanya	Steam and Gas Power Systems	Elite
2	Jangala Neelima	Steam and Gas Power Systems	Successfully Completed
3	Garikapati Sushma	Steam and Gas Power Systems	Successfully Completed
4	Gorrepati Mahesh	Rapid Manufacturing	Successfully Completed
5	Kota V L S N Vyahruth	Introduction to Airplane Performance	Successfully Completed
6	Pavan Kalyan Battu	Data Science for Engineers	Successfully Completed

Student news

Program Name and Assessment Year Mechanical Engineering & 2022-23			
S.No.	Name of the student placed	Enrollment no.	Name of the Employer
1	Nikhil Singh Thakur	19BQ1A0301	ISUZU
2	Ala Ravi Teja	19BQ1A0302	ISUZU
3	Alamanda Uma Venkata Sai Santosh Kumar	19BQ1A0303	Qspiders
4	Arudala Siva Nagaraju	19BQ1A0304	CTS - GenC
5	Athmakur Sai Venkat	19BQ1A0305	CTS - GenC
6	Bodapati Hruthik Kumar	19BQ1A0313	CTS - GenC
7	Borra Jagadeesh	19BQ1A0316	CTS - GenC
8	Chandolu Venkata Sri Vasthav	19BQ1A0320	Hyundai
9	Chinka Siva Shankar	19BQ1A0323	ISUZU
10	Damarla Bhargav	19BQ1A0326	ISUZU
11	Damarla Durga Venkata Sai Vinay Kumar	19BQ1A0327	CTS - GenC
12	Darsana Bala Krishna	19BQ1A0328	CTS - GenC
13	Dindu Likitha	19BQ1A0331	ITC
14	Doppalapudi Anush	19BQ1A0332	CTS - GenC
15	Elika Hemchand	19BQ1A0334	ISUZU
16	Makani Akash Chandra	19BQ1A0336	CTS - GenC
17	Mettu Karthik Reddy	19BQ1A0337	ISUZU
18	Gali Jaya Surya	19BQ1A0338	CTS - GenC
19	Gamidi Indusri	19BQ1A0339	RAP
20	Gogula Raju	19BQ1A0342	ExcelR
21	Harsha Chandra Pappula	19BQ1A0350	CTS - GenC
22	Suraparaju Bhargav	19BQ1A0353	ITC
23	Venkata Sai Giridhar Kothagorla	19BQ1A0354	RAP
24	Jaswanth Parepalli	19BQ1A0360	ISUZU
25	Kokkiligadda Vandana	19BQ1A0366	ISUZU
26	Konda Chetan Chandra	19BQ1A0369	ROBO LABS
27	Kondru Shalem Raju	19BQ1A0371	ISUZU
28	Kovi Sandeep	19BQ1A0373	RAP
29	Lakkaraju Anjaneya Vara Prasad	19BQ1A0375	ISUZU
30	Mallam Mohan Sai	19BQ1A0380	CTS – GenC, RAP
31	Maraka Venkata Sai Charan	19BQ1A0387	ISUZU
32	Mekathoti Uday Kumar	19BQ1A0392	CTS - GenC
33	Mohammad Ameen Ahammad	19BQ1A0394	ISUZU
34	Mouli Chandra Teja Kondaveeti	19BQ1A0396	CTS - GenC
35	Nagireddy Himel Kumar	19BQ1A03A0	CTS - GenC
36	Narra Sri Hari Raja	19BQ1A03A2	CTS - GenC
37	Nidumukkala Naveen Sai	19BQ1A03A6	RAP
38	Nunna Venkata Ratna Avinash	19BQ1A03A7	RAP
39	Pagadala Swami	19BQ1A03B0	Efftronics, MU-Sigma
40	Peddi Sujith Chowdary	19BQ1A03B6	KJ Systems, MU-Sigma
41	Ravuri Sandeep	19BQ1A03C3	CTS - GenC
42	Shaik Asif	19BQ1A03C5	CTS - GenC
43	Simhadri Surya Prakash	19BQ1A03D3	RAP
44	Swethan Tulluru	19BQ1A03D5	ROBO LABS
45	Syed Yasar Arafath	19BQ1A03D6	CTS – GenC, TCS
46	Tadikonda Pavana Viswak	19BQ1A03D8	Efftronics
47	Teki Abhinay	19BQ1A03E3	CTS - GenC

48	Tigireddy Hari Krishna Reddy	19BQ1A03E7	KJ Systems
49	Vagarala Venkata Sai	19BQ1A03F0	ISUZU
50	Varikuti Anji Reddy	19BQ1A03F1	ISUZU
51	Vatchavaye Venkata Krishna Kishore Varma	19BQ1A03F2	Efftronics
52	Yamarthi Venkata Sai Raju	19BQ1A03F6	CTS – GenC, SPM
53	Yesrab Ali	19BQ1A03F9	ITC, SPM
54	Ganesh Venkata Sai Chejerla	20BQ5A0303	Hyundai
55	Guggilam Venkata Srikanth	20BQ5A0304	Vem Technologies, CTS-Gen C
56	Kancherla Sai Keshav	20BQ5A0306	CTS - GenC
57	Kandregula Adivishnu	20BQ5A0307	ITC
58	Kasarla Satish Kumar	20BQ5A0308	ISUZU
59	Kattepogu Vijaya Sagar	20BQ5A0310	ISUZU
60	Konduru Sujith	20BQ5A0314	ISUZU
61	Krishtam Kousick	20BQ5A0315	RAP
62	Manduri Tharun	20BQ5A0317	Efftronics, SPM
63	Miriyala Mohana Krishna	20BQ5A0318	ISUZU
64	Mogili Nagendra Babu	20BQ5A0319	ISUZU
65	Mukkara Premkumar Reddy	20BQ5A0320	Gowra Areospace
66	Mupparaju Venkata Subbarao	20BQ5A0321	Vem Technologies
67	Pilli Roopka Sagar	20BQ5A0323	CTS - GenC
68	Shaik Umarfarooq	20BQ5A0327	SPM
69	Taidula Hanumanthu	20BQ5A0330	SPM
70	Yarram Reddy Ajay Kumar Reddy	20BQ5A0334	CTS - GenC

23-08-23 Guest lecture topic INSIGHTS ON CERTIFICATION AND CAREER GROWTH



21-08-23 to 30-8-23 1st mid for final years



05-09-23 Teacher's day celebrations



16-09-23 Guest lecture on topic of Mechanical Engineering Opportunities in the fields of



