

MECHRONICLE

NEWSLETTER

Department of Mechanical Engineering | Volume 02 | Issue 1 | Jul-Dec 23

Vision of the Department

Mechanical Engineering Department strives to be recognized globally for quality education, training and research leading to well-qualified engineers, who are innovative, entrepreneurial and successful in solving problems of society.

Mission of the Department

- Impart quality education to students to enhance their skills and make them globally competitive.
- Maintain a vital and state-of-the-art research to provide its students and faculty with opportunities to create, interpret, apply and disseminate knowledge. Prepare its
- graduates to pursue higher studies, serve the profession and meet intellectual, ethical and career challenges.

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From HOD's Desk

Dr. P. Rama Murty Raju
Professor & Head

Mechanical Engineering is a core discipline that drives industrial and technological progress. The department emphasizes strong fundamentals along with practical engineering skills. Students are encouraged to gain real-world exposure through internships and industrial training. Industry interaction helps bridge the gap between theory and practice. The curriculum balances conceptual learning with hands-on laboratory work. Mini-projects and design activities enhance problem-solving abilities. Students are trained to think innovatively and work collaboratively. The department prepares graduates to meet real-world engineering challenges confidently.

Editorial Board

Faculty Co-ordinators:

- Shri. V.V. M. Krishnam Raju
- Shri. K. Sunil Kumar
- Shri. V.K. Chaitanya Varma
- Shri. R. S. Srikanth Varma (Chief Editor)

Student Co-ordinators:

- D. Teja
- B. Sai Abhiram
- V. Bhavana
- Likith Chowdary
- P. Rambabu
- U. Hemanth

Faculty Publication

Faculty Publications Details for the Year 2023

1. Raja, Thandavamoorthy, Krishnan Venkatesh Raja, Medam Indra Reddy, Sami Al Obaid, Sulaiman Ali Alharbi, and Md Abul Kalam.

- Published a paper titled “Studies on mechanical and morphological behaviors of banyan/kevlar fibers reinforced MgO particulates hybrid aliphatic epoxy composite.” in The International Journal of Advanced Manufacturing Technology , ISSN: 1433-3015, SCIE , 2023 Jul 2.

2. Penmetsa Ravi Varma, and Ashok Kumar Ilanko.

- Published a paper titled “Artificial intelligence for experimental investigation and optimal process parameter selection in PM-EDM of nimonic alloy 90” in Journal of Engineering Research , ISSN: 2307-188 5, SCIE , 2023 Aug 6.

3. Saggam Narendar, Namburi Satish, Senthilnathan Gunabal, Kalidindi Brahma Raju.

- Published a paper titled “Analytical solution for thermo elastic damping of rotational ring resonators incorporating thermal relaxtions and elastic small scales” in Journal of thermal stresses , ISSN: 1521-074X, SCIE , 2023 Nov 16.

4. Gurugubelli S., Chintada V.B., Chekuri R.B.R

- Published a paper titled “Investigation on Mechanical Properties of Fabricated Aluminium 5000 Series using Finite Element and Artificial Intelligence Methods” in International Journal of Vehicle Structures and Systems , ISSN: 0975-3540, SCOPUS , 2023 Jun.

Faculty Participation & Achievements

Faculty Participation

S.NO	Title of the program	National/ International	Name of Faculty	Duration
1.	Essential Mathematics for Machine Learning(NPTEL)(12 weeks)	NPTEL-AICTE	Dr. Vitalram Rayankula	01-07-2023 to 01-10-2023
2.	Research Publication, Copyright and Patents in Science and Technology	National	Sri. N. Harsha	03-07-2023 to 07-07-2023
3.	Role of 3D Printing in Digital Manufacturing	National	Sri. V. Praveen Sri. Durga Hemanth Kumar Kondreddi	03-07-2023 to 07-07-2023
4.	Future scopes for Additive Manufacutring in industrial and biomedical Applications	National	Dr. S. Rajesh	17-07-2023 to 21-07-2023
5.	NLP and ChatGPT APPLICATIONS	International	Sri. N. Harsha	14-08-2023 to 19-08-2023
6.	Inculcating Universal Human Values in Technical Education,	National (offline)	Sri. B.Durga Prasad Sri. P.V.Ch.R.K. Santosh Sri. Sai Srikanth Varma Rudraraju	31-08-2023 to 02-09-2023
7.	Design Challenges and Opportunities in VLSI	National	Sri. N. Harsha	09-10-2023 to 13-10-2023

Faculty Participation & Achievements

Faculty Participation

S.NO	Title of the program	National/ International	Name of Faculty	Duration
8.	VEHICULAR VIBRATIONS CONTROL WITH MODERN SUSPENSION SYSTEM	National	Dr. Ch. Rama Bhadri Raju Sri. S. Madhava Rao Sri. M. Indra Reddy Sri. K. Prasada Raju Sri. V. Manikanth Sri. SK. R.S.M. Ali Sri. K. Sunil Kumar Sri.K.Tarun Kumar Sri. Kuchampudi Sandeep Varma Sri. B.Durga Prasad Sri. P.V.Ch.R.K. Santosh	21-08-23 to 25-08-2023
9.	Recent Advancements in Fuel Cell and Hydrogen Storage	International	Dr. Ch. Rama Bhadri Raju Sri. N. Harsha Sri. S. Madhava Rao Sri. G.S.V. Seshu Kumar Sri. M. Indra Reddy Sri. P. Ravi Varma Sri. V. Manikanth Sri. Kuchampudi Sandeep Varma Sri. Durga Hemanth Kumar Kondreddi	09-10-2023 to 13-10- 2023
10.	Design Thinking and Innovative Product Design	National	Sri. N. Harsha	30-10-2023 to 04-11- 2023
11.	Cutting -Edge Developments and Research Frontiers in Mechanical Engineering	National	Sri. SK. R.S.M. Ali Sri. P.V.Ch.R.K. Santosh	04-12-2023 to 09-12- 2023

Faculty Participation & Achievements

Faculty Participation

S.NO	Title of the program	National/ International	Name of Faculty	Duration
12.	Recent advancements in materials,manufacturing and technology	National	Dr. Ch. Rama Bhadri Raju Sri. S. Madhava Rao Sri. G.S.V. Seshu Kumar Sri. M. Indra Reddy Sri. P. Ravi Varma Sri. K. Prasada Raju Sri. V. Manikanth Sri. SK. R.S.M. Ali Sri. K. Sunil Kumar Sri.K.Tarun Kumar Sri. Kuchampudi Sandeep Varma Miss. Boddu Soundarya Santhoshi Sri. Durga Hemanth Kumar Kondreddi Sri. B.Durga Prasad Sri. P.V.Ch.R.K. Santosh Sri. Sai Srikanth Varma Rudraraju	30-10-2023 to 04-11- 2023
13.	Professional Values and Ethics	National	Sri.K.Tarun Kumar	04-12-2023 to 10-12- 2024
14.	Renewable Energy Pathway and Technology	National	Sri.K.Tarun Kumar	14-12-2023 to 18-12- 2023

Faculty Participation & Achievements

Faculty Achievements

- **Dr. K. Brahma Raju** is a Council Member of the Institution of Engineers (India), which is a national professional body, during the year 2023–24.
- **Dr. I. R. P. K. Varma** served as a Reviewer for the International Journal on Interactive Design and Manufacturing (IJIDeM), an international journal, during the year 2023–24.
- **Dr. D. Shantanu** served as a Reviewer for the International Journal on Interactive Design and Manufacturing (IJIDeM), an international journal, during the year 2023–24.

Department Events

The Department of Mechanical Engineering organized an industrial visit to Sagar Manufacturing Pvt. Limited on the 8th of August 2023. This visit provided students with a practical look at advanced automation, large-scale production, and real-world engineering workflows.



The Department of Mechanical Engineering organized an “Entrepreneurship Motivation Program” on the 11th of August 2023. The session aimed to inspire students by highlighting startup opportunities in the core engineering sector and fostering an innovative mindset for future business ventures.



Department Events

The Department of Mechanical Engineering held a Student Induction Program on the 5th of October 2023. The session introduced the new batch to the department's academic standards, campus facilities, and the career path ahead in engineering.



Bhimavaram, Andhra Pradesh, India
 GFVW+C99 M Block, Tammi Raju Nagar, Bhimavaram, Chinamiram Rural,
 Andhra Pradesh 534204, India
 Lat 16.543689°
 Long 81.496082°
 11/09/23 03:43 PM GMT +05:30

The Department of Mechanical Engineering held a workshop on “Role of Drones in Digital Era: Redefining the World” on the 9th of October 2023. The event focused on how UAV technology is transforming modern industries through automation, data collection, and innovative aerial solutions.



Bhimavaram, Andhra Pradesh, India
 GFVW+RFR, Tammi Raju Nagar, Bhimavaram, Chinamiram Rural, Andhra
 Pradesh 534204, India
 Lat 16.544679°
 Long 81.496148°
 09/10/23 03:33 PM GMT +05:30

Bhimavaram, Andhra Pradesh, India
 GFVW+RFR, Tammi Raju Nagar, Bhimavaram, Chinamiram Rural, Andhra
 Pradesh 534204, India
 Lat 16.544642°
 Long 81.496087°
 09/10/23 03:43 PM GMT +05:30

The Department of Mechanical Engineering celebrated Teachers' Day on the 5th of September 2023. The event honored the faculty's commitment to education and their vital role in mentoring the next generation of engineers.



Bhimavaram, Andhra Pradesh, India
 GFVW+HM4, Tammi Raju Nagar, Bhimavaram, Andhra Pradesh
 534204, India
 Lat 16.54399°
 Long 81.496595°
 05/09/23 02:53 PM GMT +05:30

NPTEL

NPTEL - STUDENTS

S.NO	Regd.No	Name of the Student	Title of the Course
1.	21B95A0301	Ankana Sairam	Programming, Data Structures And Algorithms Using Python
2.	22B95A0316	Gandham Purna Satya Sai	Data Base Management System
3.	21B91A0386	Kasireddy Jaya Mani Sai Durya Prasad	Principles Of Casting Technology
4.	21B91A0383	Karri Durga Naga Venkata Sai Mahesh	Principles Of Casting Technology
5.	21B91A03A9	Madasu Ravi Kiran	Principles Of Casting Technology
6.	21B91A03F9	Rohith Pyla	Edge Computing
7.	21B91A0325	Bokka Yaswanth Kumar	Edge Computing
8.	22B95A0316	Gandham Purna Satya Sai	Fundamentals of Automotive Systems
9.	21B91A0315	A Pujitha Valli Sai	Communication Networks
10.	21B91A0355	Gembali Jagan Mohan	Communication Networks
11.	21B91A0362	Gudimetla Mani Jyothi Sri	Communication Networks
12.	21B91A0365	Gurugubelli Rama Krishna	Communication Networks

PLACEMENTS & INTERNSHIPS**PLACEMENTS**

S.NO	Regd.No	Name of the Student	Name of Company	Package
1.	20B91A03G0	PADALA TEJA S S N SAI KIRAN	JBM	16.5K
2.	20B91A03G2	PAMPANA JYOTHI	Epiroc	6 LPA
3.	20B91A03G3	PVD SAI TEJA	JBM	16.5K
4.	20B91A03G5	PASALA LAKSHMI BHANU LAHARI	Mahindra & Mahindra	4.2 LPA
5.	20B91A03G8	PENTAPATI PARAMESWARA RANGA SAI	NASH Industries	2.4 LPA
6.	20B91A03H2	PIPPALLA TEJASRI	Epiroc	6 LPA
7.	20B91A03H4	PYDI KIRAN MAHESH	TVS	17K
8.	20B91A03H7	RACHAKONDA VENKATA SATEESH	Snowman Logistics	2.4 LPA
9.	20B91A03I0	RANDHI TARAKA SAI KRISHNA KANTH	SPR India	2.4 LPA
10.	20B91A03I1	RAPAKA SANIYA	Quest Global	3.1 LPA
11.	20B91A03I5	SALURI VENKAT	Epiroc	6 LPA
12.	20B91A03I8	SANGISAPU SAI TEJA	Saptarishi Solutions	15K
13.	20B91A03J1	SHAIK KALEEMUDDIN	Gem Opencube	3 LPA
14.	20B91A03J2	SHAIK NAZEER	Gem Opencube	3 LPA

PLACEMENTS & INTERNSHIPS**PLACEMENTS**

S.NO	Regd.No	Name of the Student	Name of Company	Package
15.	20B91A03J3	SHULLA KIRAN KUMAR	Sify	6 LPA
16.	20B91A03J6	TANUKONDA SUNIL	BROAD India	3.5 LPA
17.	20B91A03J7	THOTA RAVI TEJA	Aeries Technology	4 LPA
18.	20B91A03J9	TIRUMANI RAJA NAGENDRA VARMA	TVS	17K
19.	20B91A03K4	VALLABHU MANI SATYA SAI KRISHNA	I-Das	15K
20.	20B91A03K5	VALLURI VENU MAHESH KUMAR	TVS	17K
21.	20B91A03K9	VANGURI VIJAYA NAGA RAJU	NASH Industries	2.4 LPA
22.	20B91A03M1	YELURI LALKRISHNA	REXNORD	17K
23.	21B95A0301	ANKANA SAIRAM	Epiroc	6 LPA
24.	21B95A0302	BALI SAI KRISHNA	MEIL	2.2 LPA
25.	21B95A0303	BATTAVILLI SANTHOSH KUMAR	NASH Industries	2.4 LPA
26.	21B95A0306	BOLLAM SATISH KUMAR	Hyundai Motors	5 LPA
27.	21B95A0307	BOYINA VAMSI KRISHNA	MEIL	2.2 LPA

PLACEMENTS & INTERNSHIPS**PLACEMENTS**

S.NO	Regd.No	Name of the Student	Name of Company	Package
28.	21B95A0308	CHAVAKULA PHANI KUMAR	MEIL	2.2 LPA
29.	21B95A0309	CHEBOLU SAI BABA	NASH Industries	2.4 LPA
30.	21B95A0310	CHINTALA LIKITHA	Mahindra & Mahindra	4.2 LPA
31.	21B95A0311	DASARI BHARATH	I-Das	15K
32.	21B95A0312	DULAM KISHORE	MEIL	2.2 LPA
33.	21B95A0313	DWARAMPUDI SHANMUKA REDDY	Vem Technologies	3.5 LPA
34.	21B95A0314	KORAM GOWTHAM CHAND	MEIL	2.2 LPA
35.	21B95A0315	GUBBALA SURYA SASIKANTH	TVS	17K
36.	21B95A0316	GUBBALA UMA MAHESWARA RAO	Vem Technologies	3.5 LPA
37.	21B95A0317	JAKKILINKI LIKHITH KUMAR	Vem Technologies	3.5 LPA
38.	21B95A0318	JOSYULA SANKARA RAJA YESWANTH	REXNORD	17K
39.	21B95A0320	KALLAKURI TINKU SAI TEJA	NASH Industries	2.4 LPA
40.	21B95A0321	KANCHI CHAITANYA	I-Das	15K

PLACEMENTS & INTERNSHIPS**PLACEMENTS**

S.NO	Regd.No	Name of the Student	Name of Company	Package
41.	21B95A0322	KARELLA DILIP ROHITH	Raymedis Medical Technologies	3 LPA
42.	21B95A0323	KARUTURI MEHER SIVAJI	MEIL	2.2 LPA
43.	21B95A0324	KELLA BALA SUBRAHMANYAM	Aeries Technology	4 LPA
44.	21B95A0326	KOLLI TULASI PRASAD	MEIL	2.2 LPA
45.	21B95A0327	KONTHETI RAM DURGA GANESH	MEIL	2.2 LPA
46.	21B95A0330	LUKKANI SAI TEJA	TVS	17K
47.	21B95A0331	MADABATHULA VASANTH KUMAR	Epiroc	6 LPA
48.	21B95A0332	MADDALI SAI PUJITHA	Vem Technologies	3.5 LPA
49.	21B95A0333	MALLULA SUBRAHMANYAM	Vem Technologies	3.5 LPA
50.	21B95A0334	MANURI VEERA VENKAT	NASH Industries	2.4 LPA
51.	21B95A0337	PASAGADI NAGAMUNISWARA RAO	JBM	16.5K
52.	21B95A0338	PILLI JYOTHI KISHORE	Epiroc	6 LPA
53.	21B95A0340	REVURI TEJA PRANAV	SKYROOT	3.5 LPA

PLACEMENTS & INTERNSHIPS**PLACEMENTS**

S.NO	Regd.No	Name of the Student	Name of Company	Package
54.	21B95A0341	SAI RAGHU VEER RANKIREDDY	NASH Industries	2.4 LPA
55.	21B95A0344	SEELAM SHARAN TEJA	Kia Motor India Pvt Ltd	4.2 LPA
56.	21B95A0345	SHAIK ABDUL ISMAIL	I-Das	15K
57.	21B95A0346	SHAIK SAQEEB	NASH Industries	2.4 LPA
58.	21B95A0350	THOTA VENKATA SIVA KUMAR	MEIL	2.2 LPA
59.	21B95A0351	VASAMSETTI SRI RAM KARTHIK	NASH Industries	2.4 LPA
60.	21B95A0352	VEDULA SAI BHARGAV	Radiant Institute of Technology	2.4 LPA
61.	21B95A0353	VEERAMALLU SATYANARAYANA	Vem Technologies	3.5 LPA
62.	21B95A0355	VEGICHARLA SAI RAM	MEIL	2.2 LPA
63.	21B95A0356	VELAGALA LAKSHMI NARAYANA REDDY	NASH Industries	2.4 LPA
64.	21B95A0357	APPIKONDA MOHAN	MEIL	2.2 LPA

STUDENT PARTICIPATION**Student Participation**

S.NO	Name of the Event	Name of the Student	State /National/International
1.	FOMBI-2023	K. JEEVAN BABU	National level
2.	FOMBI-2023	G SURYA SASIKANTH	National level
3.	FOMBI-2023	K. MEHER SIVAJI	National level
4.	FOMBI-2023	R. TEJA PRANAV	National level
5.	FOMBI-2023	T.RAVI TEJA	National level
6.	FOMBI-2023	K.HRITHIK KASI NADH	National level
7.	FOMBI-2023	V.SRI RAM KARTHIK	National level
8.	FOMBI-2023	K RAM DURGA GANESH	National level
9.	FOMBI-2023	B SAI KRISHNA	National level
10.	FOMBI-2023	T.N.V ABHINAV	National level
11.	FOMBI-2023	K. BALA SUBRAHMANYAM	National level
12.	FOMBI-2023	V. SATYANARAYANA	National level
13.	FOMBI-2023	M.VASANTH KUMAR	National level
14.	FOMBI-2023	B. SIREESH	National level
15.	FOMBI-2023	E. AJITH KUMAR	National level
16.	FOMBI-2023	U. HEMANTH	National level

STUDENT PARTICIPATION**Student Participation**

S.NO	Name of the Event	Name of the Student	State /National/International
17.	FOMBI-2023	R SAI RAGUVEER	National level
18.	FOMBI-2023	D.SUPREETH	National level
19.	FOMBI-2023	G.C VENKATA RATNAM	National level
20.	FOMBI-2023	N. LOKESH	National level
21.	FOMBI-2023	R. PURNA CHANDRA	National level
22.	FOMBI-2023	K. ABHI	National level
23.	FOMBI-2023	Ch. HARSHIT	National level
24.	FOMBI-2023	P. RAKESH	National level
25.	FOMBI-2023	J.M. SHANKAR	National level
26.	FOMBI-2023	S CHENDRA SEKHAR	National level
27.	FOMBI-2023	K. TEJASWINI	National level
28.	FOMBI-2023	K.D. PRASANNA	National level
29.	FOMBI-2023	K DINESH	National level
30.	FOMBI-2023	D.S.G PHANINDRA	National level
31.	FOMBI-2023	K.V.V MANIKANTA	National level