

MECHVAARTHA

VOLUME: XX

A QUARTERLY NEWSLETTER OF OCTOBER-DECEMBER 2022



Editor in Chief
Dr. T.Nancharaiah

Editor
Dr. B.I.Hussain

**DEPARTMENT OF
MECHANICAL ENGINEERING**

Bapatla Engineering College, Bapatla
522102, Andhra Pradesh, India.

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Bapatla Engineering College::Bapatla (AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

Vision of the Department

"To become a centre of Excellence in producing the graduates as professional Mechanical Engineers with a high-quality education, innovative and entrepreneurial skills to secure the society and industry needs".

Mission of the Department

- *To impart high-quality education in curriculum and to build the students in their capacity and enhancing skills to make them globally competitive Mechanical Engineers.*
- *To prepare the students by providing exceptional academic environment, leadership, ethical guidelines and lifelong learning needed for a long professional career.*
- *To enhance the overall academic performance of the students gradually and thereby increasing their placement potential.*
- *To build the institute-industry interaction by providing the internship programs*

Faculty Achievements:

1. Dr. B.Iftekhair Hussain, Associate Professor, Dept. of Mechanical Engineering had published a patent with title of the invention “Innovation system of flexible production line manufacturing method” by the Indian Patent Office with application no: 202241044831A.
2. Dr. B.Ratna Sunil, Associate Professor, Dept. of Mechanical Engineering was felicitated for being selected in the list of top 2% scientists of the world on 24th Nov 2022.
3. Dr. A.Praveen Assistant Professor, Dept. of Mechanical Engineering had published a paper titled “A Comparison of Coated and Uncoated Diesel Engine Performance and Emission Characteristics Powered by Chlorella Vulgaris Biodiesel Blend with an Assistance of Alumina Nano Additive” published in SAE International.
4. Dr. A.Praveen Assistant Professor, Dept. of Mechanical Engineering had published a paper titled “Comparative assessment of MWCNTs and alumina nanoparticles dispersion in biodiesel blend” published in Materials Today: Proceedings.
5. Dr. T. Nancharaiiah, Professor and Head; P. Ravi Kumar, Associate Professor; and D Sameer Kumar Associate Professor, Dept. of Mechanical Engineering had published a paper titled “Flapwise Vibration of Functionally Graded Rotating Tapered Beam with Tipmass” published in Sigma Journal of Engineering and Natural Sciences, Vol 40, Issue 3, pp 640-648.
6. Dr. Ch. Lakshmi Srinivas. Professor, Dept. of Mechanical Engineering had published a paper titled “Estimation of Effect of Cold Forging Deformational Behavior on Al-2024 Alloy Reinforced with Fly-Ash Particulates” published in Advances in Science and Technology, Vol 120, pp 3-14.
7. Dr. Ch. Lakshmi Srinivas. Professor, and D.Vijay Praveen, Assistant Professor, Dept. of Mechanical Engineering had published a paper titled “Investigations on Wear and Friction Characteristics of AA-2024/MOS2/Al2O3 HMMCs” published in Advances in Science and Technology, Vol 120, pp 41-50.
8. Dr. Ch. Lakshmi Srinivas. Professor, and D.Vijay Praveen, Assistant Professor, Dept. of Mechanical Engineering had published a paper titled “WEDM Parametric Study on Machining Responses of AA-6082/MoS2/Al2O3 HMMCs” published in Advances in Science and Technology, Vol 120, pp 117-124.
9. D Sameer Kumar and , V. V. Kondaiah, Associate Professors, Dept. of Mechanical Engineering had published a paper titled “Micro Structural and Hardness Study of Al 6065 and CaSiO3 Composite with Stir Casting Route” published in Sigma Journal of Engineering and Natural Sciences, Vol 120, pp 75-79.
10. D Sameer Kumar, Associate Professor, Dept. of Mechanical Engineering had published a paper titled “Particulate Based AZ91 Magnesium Hybrid Composites – A Short Review” published in Sigma Journal of Engineering and Natural Sciences, Vol 120, pp 51-59.

Workshops/FDP/STTP/Conferences attended by the Faculty

S. No	Name of the Event	Title	Faculty Name	Organizers
1	FDP	Outcome Based Education and Examination Reforms" (OBE & ER - 2022)	Dr. TATA NANCHARAIAH	Bapatla Engineering College, Bapatla, Andhra Pradesh.
2	FDP	Online Faculty Development Program on "RECENT TRENDS IN ADDITIVE MANUFACTURING PROCESS AND IT'S APPLICATIONS"	Dr. B. IFTEKHAR HUSSAIN	Department of Mechanical Engineering, Karpagam College of Engineering, Othakkal Mandapam, Tamil Nadu 641032, India.
	FDP	AICTE Recognized Faculty Development Programme on "Outcome Based Curriculum Design"	Dr. B. IFTEKHAR HUSSAIN	National Institute of Technical Teachers Training & Research, Chandigarh (Ministry of Education, Government of India)
4	FDP	Investor Awareness Program - Financial Literacy for You (FLY)	SAMEER KUMAR DEVARAKONDA	R.V.R. & J.C. College of Engineering (Autonomous), Guntur, A.P.
5	FDP	Two Days Online Faculty Development Programme on "Additive Manufacturing for Environmental Sustainability"	Dr. B. IFTEKHAR HUSSAIN	Sri Krishna College of Engineering and Technology, Coimbatore.
6	FDP	One Week Faculty Development Program' on "Advanced Technologies for Emerging Research in Mechanical Engineering"	Dr. B. IFTEKHAR HUSSAIN	Annamacharya Institute Technology & Sciences, Rajampet-516126, A.P.
7	FDP	Innovations in Mechanical Engineering	P.Umamaheswarrao	Vasireddy Venkatadri Institute of Technology, Nambur.
8	FDP	Communication Skills for Research Paper Writing and Professional Practices	P.Umamaheswarrao	GMR Institute of Technology, Rajam
9	FDP	HYBRID ELECTRIC VEHICLES	P.Umamaheswarrao	GMR Institute of Technology, Rajam and Velagapudi Ramakrishna Siddhartha Engineering College, Vijayawada

10	FDP	Futuristic Research in Mechanical Engineering	P.Umamaheswarrao	SRM Institute of Science and Technology, Ramapuram Campus, Chennai
11	MOOCS / NPTEL / Any other online Course ..etc	NPTEL On line Certification	Dr. T. Nancharaiah	IIT, Guwahati
12	Seminar	Seminar on Step-by-Step Guidelines to Intellectual Property Rights	Dr. B. IFTEKHAR HUSSAIN	Rathinam College of Arts and Science, Coimbatore –641021 and Puthran Associates, Chennai
13	Webinar	NPS/APY online webinar	Dr. B. IFTEKHAR HUSSAIN	PFDR, (Government of India), Mumbai
14	Workshop	Outcome Based Education and Examination Reforms	Kukkapalli PrasadaRao	Bapatla Engineering College, Bapatla
15	Workshop	Two-day workshop on RESEARCH METHODOLOGIES AND SCIENTIFIC PUBLISHING	Dr. B. IFTEKHAR HUSSAIN	Bapatla Engineering College, Bapatla-522102, A.P.
16	Workshop	OBE &ER - 2022	SAMEER KUMAR DEVARAKONDA	BAPATLA ENGINEERING COLLEGE
17	Workshop	Outcome Based Education and Examination Reforms” (OBE & ER - 2022)	Dr. T. Nancharaiah	Bapatla Engineering College, Bapatla
18	Workshop	Design of Experiments (DOE) Taguchi Method	P.Umamaheswarrao	VIT, Vellore
19	Workshop	Smart Manufacturing & Industry 4.0	P.Umamaheswarrao	Indian Institute of Technology (BHU) Varanasi

DEPARTMENT OF MECHANICAL ENGINEERING

PLACEMENTS

Sl.no	Regd.no	Name of the student	Name of the company
1	L20AME452	VENKATA SYAM BABU AREPALLI	TCS
2	L20AME515	TARUN TEJA MAREPOGU	TCS
3	Y19AME408	NAGA PAVAN CHINTAKAYALA	TCS
4	L20AME468	KIRAN SAI DAMA	TCS
5	L20AME479	GAVARA SYAM KUMAR	Polmon
6	L20AME552	TULE CHAKRAVARTHI	Polmon
7	L20AME519	MEESALA SAI KUMAR	Polmon
8	L20AME535	SAMUDRALA VAMSI KRISHNA	Polmon
9	L20AME557	VUTLA NAGESWARA RAO	Polmon
10	L20AME547	TALUPULA GANESH	Polmon

11	L20AME525	NAMBURU RAGHU VENKATA SATYA SAI	Polmon
12	L20AME521	SONY MEKALA	Polmon
13	L20AME486	JERRIPOTHULA RAJESH	Polmon
14	L20AME484	JALADI GOWTHAM KUMAR	Polmon
15	Y19AME411	CHINTHALA DINESH	Polmon
16	L20AME527	PANDI SATYA RAO	Polmon
17	L20AME486	JERRIPOTHULA RAJESH	KJ Systems
18	L20AME486	JERRIPOTHULA RAJESH	Toshiba
19	L20AME481	CHELLANNAIDU GEDDAVALASA	Toshiba
20	L20AME547	TALUPULA GANESH	Toshiba
21	Y19AME439	S PRANAY KUMAR	JMS Techno Solutions
22	Y19AME403	BHIL AJAY	JMS Techno Solutions
23	Y19AME411	DINESH CHINTHALA	Face Prep
24	L20AME468	DAMA KIRAN SAI	Face Prep
25	L20AME504	KOTA YASWANTH	Surya tech solutions
26	Y19AME432	SANGANA PRAVEEN KUMAR	Surya tech solutions
27	L20AME540	SEELAM PHANEENDRA REDDY	Surya tech solutions
28	Y19AME443	VANA RAMAJOGI NAIDU	Surya tech solutions
29	L20AME505	KOWTHRAPU SRIHARI	Surya tech solutions
30	Y19AME417	KAKU MANI	Surya tech solutions
31	L20AME521	SONY MEKALA	Surya tech solutions
32	Y19AME441	SUMANTH KANDRU	Surya tech solutions
33	L20AME457	BATHURI HARI KRISHNA	Surya tech solutions
34	L20AME520	MEKALA SATISH	Surya tech solutions
35	L20AME494	KATTA VENKATA GANESH	Surya tech solutions
36	L20AME533	RONANKI SUDHEER KUMAR	Surya tech solutions
37	L20AME474	EMANI ANAND RAJU	Surya tech solutions
38	L20AME469	DANDEBOINA ATMARAO	Surya tech solutions
39	L20AME481	CHELLANNAIDU GEDDAVALASA	QuEST Global
40	L20AME486	JERRIPOTHULA RAJESH	QuEST Global
41	L20AME491	KANDEPI MAHESH KUMAR	QuEST Global
42	L20AME496	KHANDAVALLI HEMANTH	QuEST Global
43	L20AME518	MAVURI CHANDRA SEKHAR	QuEST Global
44	L20AME556	VEERAMREDDY SUDHEER KUMAR REDDY	QuEST Global

DEPARTMENT OF MECHANICAL ENGINEERING



Department of Mechanical Engineering organized a Retirement function for Mr. G. Kantha Prasad. On 31st Oct, 2022.



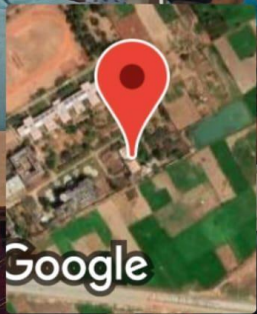
Dr.T.Nancharaiah, Professor&HOD ME Organized an awareness program on R20 Curriculum for Lateral Entry students on 5th Nov, 2022.



A felicitation programme was conducted on 24th Nov 2022 for Dr. B.Ratna Sunil, Associate Professor, Dept. of Mechanical Engineering for being selected in the list of top 2% scientists of the world



Department of Mechanical Engineering organized a Parents Meeting on 1st Dec, 2022.



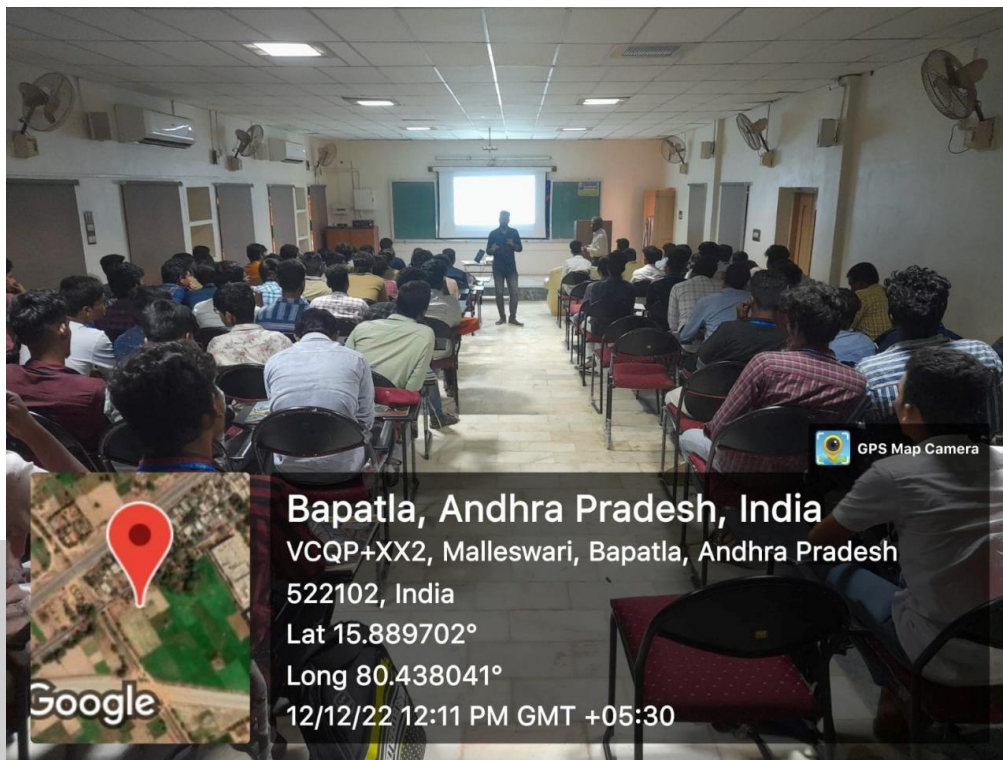
Bapatla, Andhra Pradesh, India
Canteen & Guest House, Malleswari, Bapatla, Andhra Pradesh 522102, India
Lat 15.889819°
Long 80.442908°
05/12/22 12:03 PM GMT +05:30

Dr.T.Nancharaiah, Professor & HOD ME Organized an orientation program for First Year students on 5th Dec, 2022.



Bapatla, Andhra Pradesh, India
VCQR+WG5, Malleswari, Bapatla, Andhra Pradesh 522102, India
Lat 15.889727°
Long 80.441172°
06/12/22 12:05 PM GMT +05:30

Mr.P.UmaMaheswarrao arranged a webinar on Basic Principles of Gas turbines and Jet Propulsion byDr.D.Jagadish,Professor, ME Department,Narsaraopet Engineering College, Narsaraopet. on 6th Dec, 2022.



Dr.B. Iftexhar Hussain, arranged a guest lecture on Data Analytics in Mechanical Engineering By Y.S. Mr. Sarath Reddy, Mechanical & Aero Thermal Engineer, GE Gas Power, Bangalore. on 12th Dec, 2022.

