

# MECH VAARTHA

*VOLUME: XIX*

A QUARTERLY NEWSLETTER OF JULY-SEPTEMBER 2022



**Editor in Chief**  
**Dr. T.Nancharaiah**

**Editor**  
**Dr. B.I.Hussain**

**DEPARTMENT OF  
MECHANICAL ENGINEERING**

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

## **Editorial Board Members**

Dr.T.Nanchariah, Editor in Chief

Dr. B.Iftekhair Hussain, Editor

Mr. S Vijay (Y20AME469) 4<sup>th</sup> sem B.Tech (M.E) Sec-B, Member

Mr. P Bhavani Sankar (Y20AME458) 4<sup>th</sup> sem B.Tech (M.E) Sec-B, Member

Mr. P Tharun (Y20AME454) 4<sup>th</sup> sem B.Tech (M.E) Sec-B, Member

## **Bapatla Engineering College**

(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**

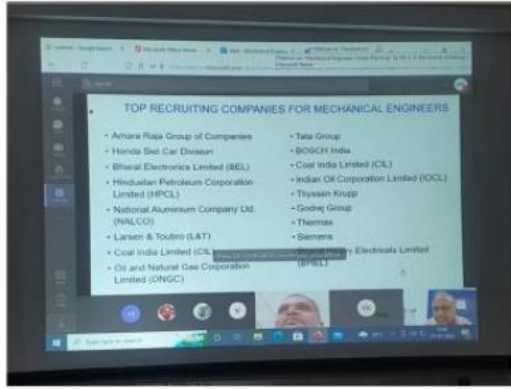
- *To impart high-quality education in curriculum and to build the students in their capacity and enhancing skills to make them globally competitive Mechanical Engineers.*
- *To prepare the students by providing exceptional academic environment, leadership, ethical guidelines and lifelong learning needed 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*

**DEPARTMENT OF MECHANICAL ENGINEERING**  
**BAPATLA ENGINEERING COLLEGE:: BAPATLA**  
**BEC NEWSLETTER DATA**  
JUL-SEP 2022

**EVENTS ORGNANIZED BY THE DEPARTMENT**

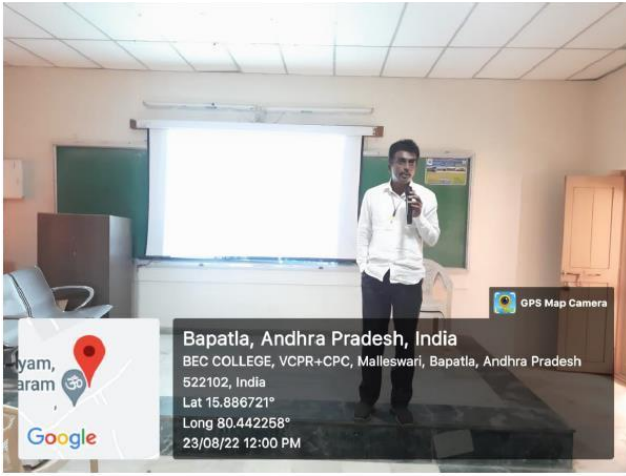
S.No	Title of the Event	Type	Duration	No of Sessions	Dates	Level	Speakers	Organizers	Stake holders	No of Participants
1	High Entropy Alloys	Webinar	1 Day	1 2:00-3:00 PM	15th July 2022	Department	Dr. K. Praveen Kumar, Associate Professor, RVRJC,Guntur.	Dr. B. Ravi Sankar, Professor, ME Dept.	Final Year Students	86
2	Mechanical Engineers - Career Planning	Webinar	1 Day	1 11:30-1:00 PM	27th July 2022	Department	Mr. K. V. Ravi Kumar, Dean, ARSDC, A.P.	Dr. T. Nancharaiyah, Professor&HOD, ME Dept	Second Year Students	79
3	Applications and Importance of NDT in various Industries	Workshop	5 Days	10	25th-29th July 2022	Department	1.) Mr. Meher Pretham, CEO,Vidal NDT. 2.) MR. Charan, Technical Trainer	1.) Mr. M.Subrahmanyam, Asst. Professor, ME Dept 2.) Mr. V. Krishna Koundinya, Asst. Professor, ME Dept	Final Year Students	84

4	3D Printing: Emerging Technology & Trends	Webinar	1 Day	11:30-1:00 PM	23rd August 2022	Department	Mr. Md. Kareem Baig	Dr. Ch. Lakshmi Srinivas, Professor, ME Dept	Final Year Students	89
---	---	---------	-------	---------------	------------------	------------	---------------------	--	---------------------	----



Mr. K. V. Ravi Kumar, Dean, Amara Raja Skill Development Centre, Tirupati, A.P career guidance programme telecasted to Second year B.Tech Mechanical Engineering students on 27.7.2022

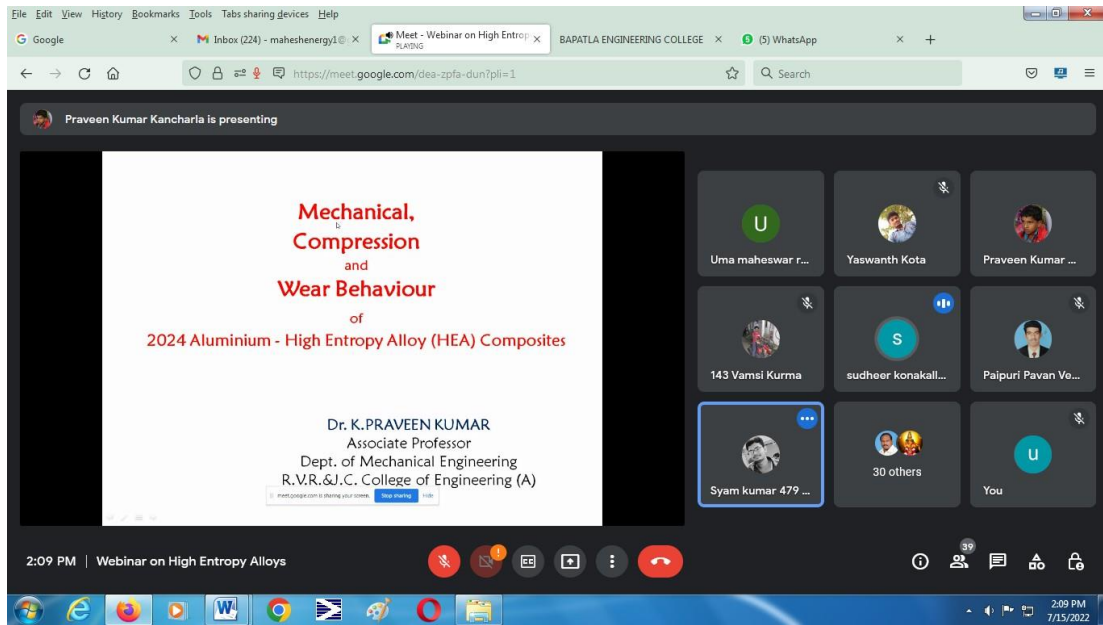




Mr. Md. Kareem Baig, Project Manager, CDK Global (P) Ltd, Hyderabad addressing the students through online mode on 23.8.2022



A five day workshop was conducted from 25th-29th July 2022 on Applications and Importance of NDT in various Industries by Vidal NDT, Visakhapatnam..



A webinar on High entropy alloys was conducted on 15th July 2022 by Dr. K. Praveen Kumar, Associate Professor, RVRJC,Guntur.

**Workshops/FDPs/Seminars Attended by the Faculty:**

Name in FULL	Designation	Event Details / FULL Title	Conducted by College Name /Industry ( Name in Full) with location	Duration ( No of days)	From	To
Dr. B. IFTEKHAR HUSSAIN	Associate Professor	AICTE Recognized Faculty Development Programme on "Outcome Based Curriculum Design"	National Institute of Technical Teachers Training & Research, Chandigarh (Ministry of Education, Government of India)	5	9/5/2022	9/9/2022
Dr. B. Iftekhar Hussain	Associate Professor	Online Faculty Development Program on "RECENT TRENDS IN ADDITIVE MANUFACTURING PROCESS AND IT'S APPLICATIONS"	Department of Mechanical Engineering, Karpagam College of Engineering, Othakkal Mandapam, Tamil Nadu 641032, India.	5	8/1/2022	8/5/2022
Kukkapalli PrasadaRao	Associate Professor	Outcome Based Education and Examination Reforms	Bapatla Engineering College, Bapatla	3	8/3/2022	8/5/2022



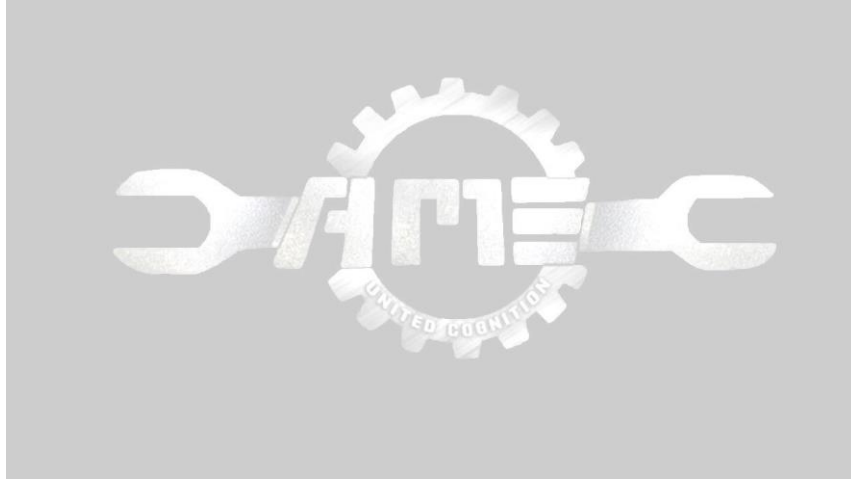
Dr. TATA NANCHARIAH	Professor	Outcome Based Education and Examination Reforms* (OBE & ER - 2022)	Bapatla Engineering College, Bapatla, Andhra Pradesh.	3	8/3/2022	8/5/2022
---------------------	-----------	--	---	---	----------	----------

**Patents filed by the Faculty:**

Name in FULL	Designation	Patent Title	Date of Filing	Status	Date of Publication/Granted
Dr. Vemula Venkata Kondaiah	Associate Professor	: MULTI AXIS ROTARY STIR CASTING FURNACE	3/10/2020	Published	3/13/2020
Dr Vemula Venkata Kondaiah	Associate Professor	ROTARY FABRIC HANGING DRIER	3/19/2020	Published	5/8/2020
Dr. B. IFTEKHAR HUSSAIN	Associate Professor	A SYSTEM FOR INSPECTING A SOLAR ELEMENT USING LASER MECHANISM	10/7/2021	Published	10/18/2021
D.SAMEER KUMAR	Associate Professor	Method For Microfabrication Of One Dimensional Photonic Crystal Layered Point Of Care Device For Detection Of Bio Markers Of Renal Dysfunction	12/26/2021	Published	12/10/2021
Dr. B. IFTEKHAR HUSSAIN	Associate Professor	AN IOT BASED SYSTEM FOR MONITORING VOLUME OF FUEL PUMPED INTO AN AUTOMOBILE	6/29/2021	Granted	3/30/2022
Dr. VEMULA VENKATA KONDAIAH	Associate Professor	: PRODUCING MICRO-LAMELLAR ZINC ORTHOPEDIC IMPLANTS	8/10/2020	Granted	5/23/2022
Dr Vemula Venkata Kondaiah	Associate Professor	A Smart and Handy Electric Powered and Pump Integrated Hybrid Cleanser for Fabrics	7/26/2022	Published	7/29/2022
Dr. B. IFTEKHAR HUSSAIN	Associate Professor	Innovative system of flexible production line manufacturing method	8/5/2022	Published	8/19/2022
Dr Vemula Venkata Kondaiah	Associate Professor	An AI Based Self-Learning Seat Belting System for Automotive	8/26/2022	Published	9/2/2022

**Achievements from the department:**

1. Ghanta Venkata Rajesh and Kanchi Subhash Kalyan, the 2022 pass out students of the B.Tech (Mechanical Engineering) course had established a company called "Ajira Power Private Limited" which is recognised as a start-up by Government of India, Ministry of Commerce and Industry, Department of Promotion of Industry and Internal Trade.
2. A Memorandum of Understanding was established between Department of Mechanical Engineering of Bapatla Engineering College with VIDAL NDT, Hyderabad for information sharing and nourishing the students on 20<sup>th</sup> July 2022.





Ghanta Venkata Rajesh and Kanchi Subhash Kalyan, the 2022 pass out students of the B.Tech (Mechanical Engineering) course had established a company called "Ajira Power Private Limited" which is recognised as a start-up by Government of India, Ministry of Commerce and Industry, Department of Promotion of Industry and Internal Trade



A Memorandum of Understanding was established between Department of Mechanical Engineering of Bapatla Engineering College with VIDAL NDT, Hyderabad for information sharing and nourishing the students on 20<sup>th</sup> July 2022.