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# Bapatla Engineering College::Bapatla (AUTONOMOUS) DEPARTMENT OF MECHANICAL ENGINEERING

#### Vision of the Department

"To become a center 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

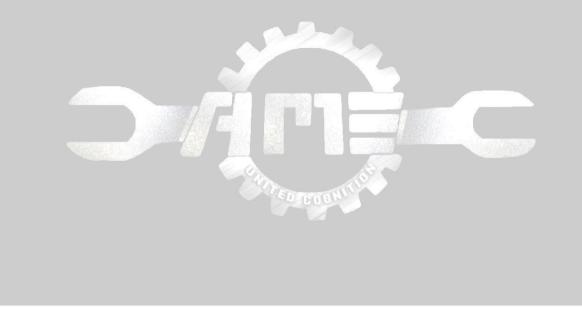
# BAPATLA ENGINEERING COLLEGE:: BAPATLA

### APR TO JUN 2021

## **EVENTS ORGNANIZED BY THE DEPARTMENT**

S.No	Title of the Event	Туре	Duration	No of Sessions	Dates	Level	Speakers	Organizers	Stake holders	No of Participants
1	International Conference on Materials , Mechanical and Energy Engineering (ICMMEE	Confere nce	Two Days	2	7-8 <sup>TH</sup> May 2021	Internati onal	Paper presenters	Dr B Ratna Sunil Dr D Sameer Kumar Dr V V Kondaiah	Registered Participants	60
2	2021) Transformation of ZnO and TiO2 nanoparticles in the soils environment - influence of soil microorganisms and plants	Keynote address	One day	1	8 <sup>th</sup> May 2021	Internati onal	Dr Martin Sebesta Comenius University in Bratislava Bratislava 4	Dr B Ratna Sunil Dr D Sameer Kumar Dr V V Kondaiah	Registered Participants	60
3	Metallurgical failure Investigations of Industrial Components	Keynote address	One day	1	7 <sup>th</sup> May 2021	Internati onal	Dr M Ananda Rao Principal Scientist CSIR – NML Chennai	Dr B Ratna Sunil Dr D Sameer Kumar Dr V V Kondaiah	Registered Participants	60

4	Skill	Webinar	One day	11.00	26.06.2021	National	Shri. K BABU	Dr. T.	Students,	112
	enhancement			am to		Level	RAO	Nancharaiah	Faculty and	
	opportunities in			1.00 pm			Asst. Director		Industry	
	Tool						MSME Tool	Sri. M. Pardha	Persons	
	Engineering						Room	Saradhi		
	and						Hyderabad.		(Registered	
	CAD / CAM /								Participants)	
	CAE									
	Technologies									

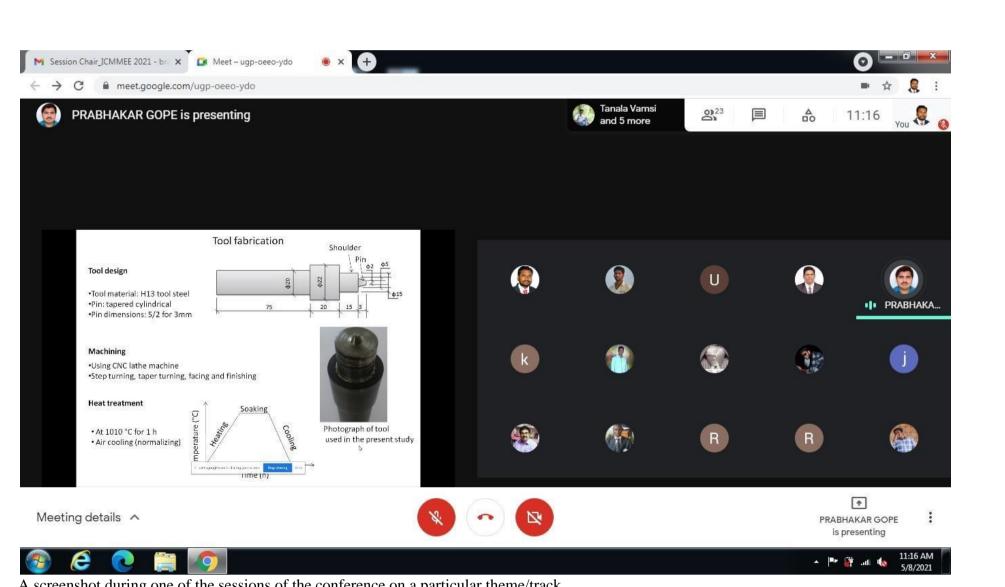




Release of ICMMEE Poster by Sri M. Nageswara Rao , Secretary – BES



Poster of ICMMEE conference



A screenshot during one of the sessions of the conference on a particular theme/track.

#### FACULTY ACHIEVEMENTS/PUBLICATIONS OF DEPARTMENT OF MECHANICAL ENGINEERING:

- 1. Dr.B. Iftekhar Hussain was appointed as session chair for International Conference on Materials, Mechanical and Energy Engineering (ICMMEE-2021) conducted during 7-8<sup>TH</sup> May 2021.
- 2. Umamaheswarrao Ponugoti, Ranga Raju Dantuluri, Naga Sai Suman Koka, Ravi Sankar Bhuvanagiri, "Experimental Investigations On The Influence Of Cutting And Tool Geometry Parameters Over The Machinability Of Aisi 52100 Steel In Hard Turning", International Journal of Modern Manufacturing Technologies, Volume No:XII, Issue No.1, pp 144-156.
- 3. M.Sucharitha, B. Ravi Sankar, P.Umamaheswarrao, "A Review on Submerged Friction Stir Welding of Light Weight Alloys", IOP Conf. Series: Materials Science and Engineering, Volume No: 954, , pp 1-8.
- 4. Hemendra Patle, B. Ratna Sunil, Ravikumar Dumpala, "Machining characteristics, wear and corrosion behavior of AZ91 magnesium alloy fly ash composites produced by friction stir processing", Material Science and Engineering Technology, Wiley.
- 5. B. Krishna Sarath Kumar, M. Jagannatham, B. Venkateswarlu, Ravikumar Dumpala, B. Ratna Sunil, "Synthesis, characterization and antimicrobial properties of strontium substituted hydroxyapatite", Journal of the Australian Ceramic Society, Springer.
- 6. R. Supriyanka, V.V. Kondaiah, Lam Ratna Raju, Ravikumar Dumpala, B. Ratna Sunil, "Role of plunge depth on the joint formation and mechanical behavior of Al6063 AZ91 dissimilar lap joint produced by friction stir welding", Material Science and Engineering Technology, Wiley.
- 7. P.Srikar, T.Sathish, P. Imran Khan, Y. Kalyan Reddy, V.V.Kondaiah, M. AnandaRao, Ravikumar Dumpala, B. RatnaSunil, "Zinc-calcium silicate composites produced by ball milling and sintering for degradable implant applications", Materials Today: Proceedings, Elsevier.
- 8. P.V.S. Mahesh, S. Akhil, P. Chiranjeevi, Y. Sivaji, V.V. Kondaiah, M. Ananda Rao, Ravikumar Dumpala, B. Ratna Sunnil, "Developing composites of zinc and hydroxyapatite for degradable orthopedic implant applications", IOP Conf. Series: Materials Science and Engineering, IOP.
- 9. Hemendra Patle, B. Ratna Sunil, S. Anand Kumar, Ravikumar Dumpala, "Effect of inert gas environment on the sliding wear behavior of AZ91/B4C surface composite", Journal of Engineering Tribology, SAGE.
- 10. Mohammad Irfan, Sk. Najma Sultana, B. Venkateswarlu, M. Jagannatham, Ravikumar Dumpala, B. Ratna Sunil, "Zinc substituted hydroxyapatite: Synthesis, structural analysis and antimicrobial behaviour", Transactions of the Indian Institute of Metals, Springer.

# WORKSHOPS/SEMINARS/CONFERENCES ATTENDED BY THE FACULTY OF MECHANICAL ENGINEERING DEPARTMENT:

Name	Title	Faculty Name	Organizers
of the			
Event			
	WEBINAR ON SMART		Vignan's Foundation for Science, Technology and Research (Deemed to be
	MANUFACTURING	Dr. B. IFTEKHAR	University), Guntur, A.P in association with MTAB TECHNOLOGY CENTER P
Webinar	AND DIGITAL TWIN	HUSSAIN	LTD, Chennai.

	International Conference		
	on Materials,		
	Mechanical and Energy		
	Engineering (ICMMEE-	Dr. B. IFTEKHAR	
Webinar	2021)	HUSSAIN	Bapatla Engineering College, Bapatla-522102, A.P, India
	Webinar on "Application		
	of CAE in Mechanical		
	and Automotive	Dr. B. IFTEKHAR	Arasu Engineering College, Kumbakonam - 612 501, Thanjavur District,
Webinar	Engineering"	HUSSAIN	Tamil Nadu.
	Webinar on "Automotive		
	Product Manufacturing		
	Process & It's QMS	Dr. B. IFTEKHAR	Arasu Engineering College, Kumbakonam - 612 501, Thanjavur District,
Webinar	Requirements"	HUSSAIN	Tamil Nadu.
	Applications of soft		
	computing techniques		
	for electro-mechanical	Srinivasulu	
FDP	systems	Vardhineni	NIT Bhopal
Orientati		- 1990 C	
on/Refre			
sher			
Program	Engineering Applications		
me	of Optimization	P.Umamaheswarrao	Rajiv Gandhi Government Polytechnic College, Itanagar
	NAAC Assessment and		
	Accreditation: A Step by		SD DOGIN
FDP	Step Process.	Guduri Moshe Babu	Chadalawada Ramanamma Engineering College(Autonomous), Tirupathi.
	International Conference		
	on Technological		
	Advancements in		
Confere	Mechanical Engineering		Academy of Maritime Education and Training (AMET), Deemed to be
nce	(ICTAME 2021)	P.Umamaheswarrao	University, Chennai.
	2nd Indo-Korea Virtual		
	Conference on		
<b>~</b> ′	Development of		
Confere	Advanced Material for		
nce	Future Technologies	P.Umamaheswarrao	KAIST, DaeJeon, South Korea and Vellore Institute of Technology, Chennai.
	National Webinar on		
\A/_L'	"Recent Advances in	Dr. B. IFTEKHAR	VFSTR (Deemed to be University), Vadlamudi, Guntur Andhra Pradesh - 52
Webinar	Aluminium Alloys	HUSSAIN	213

	Technology and Failure Analysis of Industrial Components"		
Webinar	Expert Webinar titled "Vacuum Thermoform Mold Tool Design"	Dr. B. IFTEKHAR HUSSAIN	Sri Venkateswara College of Engineering, Sriperumbudur (TK), Tamil Nadu
	Webinar on "Skill enhancement opportunities in Tool		
Webinar	Engineering and CAD/CAM/CAE technologies"	Dr. B. IFTEKHAR HUSSAIN	Bapatla Engineering College, Bapatla-522102, Guntur District, Andhra Pradesh, India.
Seminar	Two-day National level Seminar on "Quality Improvement via Accreditation and Ranking"	Dr. B. IFTEKHAR HUSSAIN	Bapatla Engineering College, Bapatla-522102, Guntur District, Andhra Pradesh, India.
FDP	One week FDP on "Open Source Software used in Drafting Modelling & Analysis"	Dr. B. IFTEKHAR HUSSAIN	N. B. N Sinhgad College of Engineering, Solapur, Maharashtra.

# List of offers from companies to Mechanical Engineering students:

Full Name	Company Name	Date of placement	
APPANA MURALIDHAR	CORPTEAM Solutions	15th. April.2021	
CHERUKURI ASWIN KUMAR	CORPTEAM Solutions	15th. April.2021	
KOPPOLU TEJESWAR	CORPTEAM Solutions	15th. April.2021	
KOTTALI SURI NAIDU	CORPTEAM Solutions	15th. April.2021	
NADAKURTHI ALEXANDAR	CORPTEAM Solutions	15th. April.2021	
PEDDINA SAI VIKAS	CORPTEAM Solutions	15th. April.2021	
RAJANA RAMESH	CORPTEAM Solutions	15th. April.2021	
THIRRIVEEDHI ANIRUDH	CORPTEAM Solutions	15th. April.2021	
AINALA STEPHEN	KIML	19th. April.2021	
ANNAVARPU SIVARAMMAKRISHNA	KIML	19th. April.2021	
BANDLAMUDI PAVAN KUAMR	KIML	19th. April.2021	

BATTULA BHARAT KUMAR	KIML	19th. April.2021
CHATHARAJUPALLI VENKATA SUBRAHMANYAM	KIML	19th. April.2021
GANTA NAIDU	KIML	19th. April.2021
GOKARAJU RAMAKRUSHNAM RAJU	KIML	19th. April.2021
GUDIPUDI SANGEETH KUMAR	KIML	19th. April.2021
CHAVALA ROOPCHAND	KIML	19th. April.2021
VENKATASIVA BANDARU	KIML	19th. April.2021
JUTTIGA YUGENDRA	KIML	19th. April.2021
KOKKIRALA VENKATA SAI KRISHNA	KIML	19th. April.2021
KOLLATI YASWANTH KUMAR	KIML	19th. April.2021
KOTA BHANU	KIML	19th. April.2021
KOTTE LOKESH	KIML	19th. April.2021
MODUKURU GOPICHAND	KIML	19th. April.2021
MUNNAGI PURNACHANDRA REDDY	KIML	19th. April.2021
NAGAMALLI SAI VENKATA TARUN	KIML	19th. April.2021
VENKATAGOPI MARAM	KIML // Contraction of the second s	19th. April.2021
KANDIKUPPA SUBHASH	KIML /	19th. April.2021
PALIKE SANDEEP	KIML	19th. April.2021
PANCHUMARTHI VAMSI KRISHNA	KIML	19th. April.2021
PEDDINA RANGA BABU	KIML	19th. April.2021
PETLA GANESH	KIML	19th. April.2021
PINISETTY RAMESH	KIML	19th. April.2021
RAJANA RAMESH	KIML	19th. April.2021
SHAIK MASTAN SHAREEF	KIML	19th. April.2021
SIRIPURAPU SAI SURENDRA	KIML	19th. April.2021
THURIMELLA PRAKASH	KIML	19th. April.2021
THURUMELLA UDAY KIRAN	KIML	19th. April.2021
TUMU SURYA NAGA CHAKRA GANESH	KIML	19th. April.2021
VANJULA SANJAY KUMAR	KIML	19th. April.2021
VUYYURU SAI GOPI	KIML	19th. April.2021
YATHAM RAJ GOPAL	KIML	19th. April.2021
ZAGABATHUNI SARATH KUMAR	KIML	19th. April.2021

NELATETI BHASKAR	KIML	19th. April.2021
AKINA SYAM SUNDAR	Magna Automotives	24th. May. 2021
ANNAVARPU SIVARAMMAKRISHNA	Magna Automotives	24th. May. 2021
APPANA MURALIDHAR	Magna Automotives	24th. May. 2021
BALIREDDY LEELA VAMSI PRASAD	Magna Automotives	24th. May. 2021
BAVIRISETTI VENKAT AVEERA SRI		
JAGANADHARAO	Magna Automotives	24th. May. 2021
BUDDI SIVA KUMAR	Magna Automotives	24th. May. 2021
BURRI UDAYAKIRAN	Magna Automotives	24th. May. 2021
D.DINESH	Magna Automotives	24th. May. 2021
DASARI ANTHONI BALA THAMBI	Magna Automotives	24th. May. 2021
DEVARAKONDA RAMAKRISHNA	Magna Automotives	24th. May. 2021
GANTA NAIDU	Magna Automotives	24th. May. 2021
GERA RUSHI	Magna Automotives	24th. May. 2021
GOKARAJU RAMAKRUSHNAM RAJU	Magna Automotives	24th. May. 2021
GUNTUR KOTEWARARAO	Magna Automotives	24th. May. 2021
IJJADA JAGANMOHANARAO	Magna Automotives	24th. May. 2021
GANTA KUMAR	Magna Automotives	24th. May. 2021
IKKURTHI MURALDHARA SAI	Magna Automotives	24th. May. 2021
ILLA SOMA SUNDAR DURGA PRASAD	Magna Automotives	24th. May. 2021
KAMISETTY NAGADURGARAO	Magna Automotives	24th. May. 2021
KAPA SANDEEP	Magna Automotives	24th. May. 2021
KOKKIRALA VENKATA SAI KRISHNA	Magna Automotives	24th. May. 2021
KOLLATI YASWANTH KUMAR	Magna Automotives	24th. May. 2021
KOMMINENI SAI RAVINDRA	Magna Automotives	24th. May. 2021
KOPPOLU TEJESWAR	Magna Automotives	24th. May. 2021
KORRA SAIDA NAIK	Magna Automotives	24th. May. 2021
KOTA BHANU	Magna Automotives	24th. May. 2021
KOTTALI SURI NAIDU	Magna Automotives	24th. May. 2021
KOTTE LOKESH	Magna Automotives	24th. May. 2021
KURUVA MAHESH	Magna Automotives	24th. May. 2021
KUSUME MERCY KUMAR	Magna Automotives	24th. May. 2021

MACHERL RAMAKRISHNA	Magna Automotives	24th. May. 2021
MADDIBOYINA BALAJI	Magna Automotives	24th. May. 2021
MANDAGUDULA SAI	Magna Automotives	24th. May. 2021
MATTUPALLI SAI PAVAN KUMAR	Magna Automotives	24th. May. 2021
MODUKURU GOPICHAND	Magna Automotives	24th. May. 2021
MUNNAGI PURNACHANDRA REDDY	Magna Automotives	24th. May. 2021
NADAKURTHI ALEXANDAR	Magna Automotives	24th. May. 2021
NAGAMALLI SAI VENKATA TARUN	Magna Automotives	24th. May. 2021
VENKATAGOPI MARAM	Magna Automotives	24th. May. 2021
KANDIKUPPA SUBHASH	Magna Automotives	24th. May. 2021
PADAL VENKATA SREE RAMA REDDY	Magna Automotives	24th. May. 2021
PALIKE SANDEEP	Magna Automotives	24th. May. 2021
PANCHUMARTHI VAMSI KRISHNA	Magna Automotives	24th. May. 2021
PANDI MAHESH	Magna Automotives	24th. May. 2021
PEDDINA RANGA BABU	Magna Automotives	24th. May. 2021
PEDDINA SAI VIKAS	Magna Automotives	24th. May. 2021
PENUMUCHU NAGENDRA PAVAN KUMAR	Magna Automotives	24th. May. 2021
PETLA GANESH	Magna Automotives	24th. May. 2021
RAJANA RAMESH	Magna Automotives	24th. May. 2021
SHAIK MOHAMMAD SHAKEER	Magna Automotives	24th. May. 2021
<mark>SIRIPURAPU SAI SURENDRA</mark>	Magna Automotives	24th. May. 2021
TALARI HARSHA VARDHAN	Magna Automotives	24th. May. 2021
THONTA RAMANJANEYULU	Magna Automotives	24th. May. 2021
THURIMELLA PRAKASH	Magna Automotives	24th. May. 2021
TUMU SURYA NAGA CHAKRA GANESH	Magna Automotives	24th. May. 2021
VANJULA SANJAY KUMAR	Magna Automotives	24th. May. 2021
VUYYURU SAI GOPI	Magna Automotives	24th. May. 2021
ZAGABATHUNI SARATH KUMAR	Magna Automotives	24th. May. 2021
NELATETI BHASKAR	Magna Automotives	24th. May. 2021
AINALA STEPHEN	GESTAMP Automotives	25th. May. 2021
AMARA VENKATA PRAVEEN	GESTAMP Automotives	25th. May. 2021
BATTULA BHARAT KUMAR	GESTAMP Automotives	25th. May. 2021

BONTHU CHARAN KUMAR	GESTAMP Automotives	25th. May. 2021
CHATHARAJUPALLI VENKATA SUBRAHMANYAM	GESTAMP Automotives	25th. May. 2021
GANGARAPU RAMANJANEYULU	GESTAMP Automotives	25th. May. 2021
GOPE TARUN KUMAR	GESTAMP Automotives	25th. May. 2021
GUNTUR PAVAN AYAYAPPA	GESTAMP Automotives	25th. May. 2021
CHAVALA ROOPCHAND	GESTAMP Automotives	25th. May. 2021
JUTTIGA YUGENDRA	GESTAMP Automotives	25th. May. 2021
KANNETI NAGA RAJU	GESTAMP Automotives	25th. May. 2021
KESANA VEERA SIVA	GESTAMP Automotives	25th. May. 2021
KOLLATI ANIL KUMAR	GESTAMP Automotives	25th. May. 2021
NALLURI GOPIBABU	GESTAMP Automotives	25th. May. 2021
LELLA NAGARJUNA	GESTAMP Automotives	25th. May. 2021
VENKANNA BABU NALLAPATI	GESTAMP Automotives	25th. May. 2021
KALYAN BABU NATTA	GESTAMP Automotives	25th. May. 2021
PANDI YASWANTH BABU	GESTAMP Automotives	25th. May. 2021
PINISETTY RAMESH	GESTAMP Automotives	25th. May. 2021
SARA NAGARAJU	GESTAMP Automotives	25th. May. 2021
TARRA SYAMSUNDAR	GESTAMP Automotives	25th. May. 2021
TATA SIVA NAGA RAJU	GESTAMP Automotives	25th. May. 2021
VARRI JAGADEESH	GESTAMP Automotives	25th. May. 2021
VEMULA SAI PRASAD	GESTAMP Automotives	25th. May. 2021
YARRAMSETTI PAVANKUMAR	GESTAMP Automotives	25th. May. 2021
YATHAM RAJ GOPAL	GESTAMP Automotives	25th. May. 2021
M SAI CHARAN	Infosys	5th. June. 2021
PONNAGANTI SRI KSUKESH	Infosys	5th. June. 2021