

NEWS LETTER



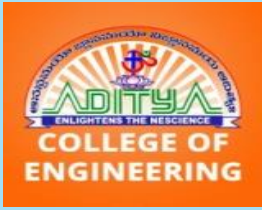
MECHANICAL TIMES

Volume 4 : Issue 1 June - 2022

Department of Mechanical Engineering



ADITYA COLLEGE OF ENGINEERING
Aditya Nagar, ABD Road ,Surampalem,
(Approved by AICTE New Delhi & Affiliated to JNTUK ,Kakinada)



Mechanical Times

Volume 4: Issue 1

NEWS LETTER

June-2022

DEPARTMENT OF MECHANICAL ENGINEERING



“The wellbeing of the world largely depends upon the work of the engineer. There is a great future and unlimited scope for the profession; new works of all kinds are and will be required in every country, and for a young man of imagination and keenness I cannot conceive a more attractive profession. Imagination is necessary as well as scientific knowledge”

Frequency: Half Yearly

Editorial Board

Dr. Y.K.S.SUBBARAO

Head of the Department

Mr.P.HARI CHANDRA M. Tech.

Associate Professor

Students

Mr.P.Hari Prasad Reddy III B.Tech

Balakrishna III B.Tech

Nimmakayala Ashok II B.Tech

Vision

To be recognized as Centre of Excellence in Mechanical Engineering towards imparting quality education

Mission

M1: Provide state-of-art facilities

M2: Disseminate knowledge by recruiting qualified and experienced staff members

M3: Enhance innovative activities by collaborating with industry and Research establishments.

M4: Encourage citizenship activities with knowledge and skills

SEMESTER TOPPERS

DEPARTMENT OF MECHANICAL ENGINEERING

TOPPERS LIST @ (18 Batch) JV B.TECH I SEMESTER



7.68 (1st Place)
19MH5A0348
PADALA RAVI KIRAN



7.41 (2nd Place)
19MH5A0302
GOVA RAJU



7.41 (2nd Place)
19MH5A0344
NEKKALA SANDEEP KUMAR



7.41 (2nd Place)
19MH5A0351
P Veera Swamy

TOPPERS LIST @ (19 Batch) JJJ B. TECH I SEMESTER



7.45 (1st Place)
20MH5A0340
PONNADA CHAITANYA



7.23 (2nd Place)
20MH5A0335
V J V D L VINAYAK

TOPPERS LIST @ (20 Batch) JJ B. TECH I SEMESTER



8.37 (1st Place)
21MH5A0342
P KRISHNA PRASAD



8.05 (2nd Place)
21MH5A0310
CH SATYANARAYANA



Student Placements

Sl.No.	Roll Number	Name of the Student	Company Name	CTC
1.	18MH1A0302	Javvadhi Ganesh	Surya Tech Solutions	3.00 LPA
2.	18MH1A0303	Kakaralapudi Sri Datta	Hyudai Steel	2.07 LPA
3.	18MH1A0306	Karumuri Lokesh Manikanta Raghunadh	Delphi - TVS	2.03 LPA
4.	18MH1A0308	Kottum Mahesh	Hyudai Steel	2.07 LPA
5.	18MH1A0308	Kottum Mahesh	Surya Tech Solutions	3.00 LPA
6.	18MH1A0309	Lagudu Sivaraju	Delphi - TVS	2.03 LPA
7.	18MH1A0309	Lagudu Sivaraju	Surya Tech Solutions	3.00 LPA
8.	18MH1A0311	Narina Veera Naga Siva Sai	Surya Tech Solutions	3.00 LPA
9.	18MH1A0312	Pabbu V V S Swami	Hyudai Steel	2.07 LPA
10.	18MH1A0312	Pabbu V V S Swami	Zelf Studie	6.00 LPA
11.	18MH1A0314	Yarra Siva Venkata Durga Sai	Hyudai Steel	2.07 LPA
12.	18MH1A0314	Yarra Siva Venkata Durga Sai	Zelf Studie	6.00 LPA
13.	18MH1A0315	Yendru Govinda Raju	Hyudai Steel	2.07 LPA
14.	19MH5A0301	Adabala Ramachakra	Hyudai Steel	2.07 LPA
15.	19MH5A0302	Akula Gova Raju	Delphi - TVS	2.03 LPA
16.	19MH5A0302	Akula Gova Raju	Wipro	3.75 LPA
17.	19MH5A0302	Akula Gova Raju	Wipro	3.75 LPA
18.	19MH5A0304	Koppiseti Ramu	Delphi - TVS	2.03 LPA

19.	19MH5A0305	Bavisetti Sivaramakrishna	Hyudai Steel	2.07 LPA
20.	19MH5A0306	Duddupudi Bhargav	Hyudai Steel	2.07 LPA
21.	19MH5A0307	Bonepalli Rupendra	Hyudai Steel	2.07 LPA
22.	19MH5A0308	Chodipalli Narendra	Delphi - TVS	2.03 LPA
23.	19MH5A0310	Doddi Sai Ganesh	Surya Tech Solutions	3.00 LPA
24.	19MH5A0311	Tarun Dwarapureddi	DXC TECHNOLOGY	4.00 LPA
25.	19MH5A0311	Tarun Dwarapureddi	Wipro	3.75 LPA
26.	19MH5A0312	G.Govardhan Chinnaji	PUZZOLONA MACHINERY	1.56 LPA
27.	19MH5A0312	Govardhan Gangula	TuringMinds.Ai	6.20 LPA
28.	19MH5A0313	Geddam Himasailanath	Hyudai Steel	2.07 LPA
29.	19MH5A0315	Goru Yadagireesh	Hyudai Steel	2.07 LPA
30.	19MH5A0316	Gudiseva Sri Vikas	Delphi - TVS	2.03 LPA
31.	19MH5A0318	Gummella Teerumala Veerababu	Delphi - TVS	2.03 LPA
32.	19MH5A0319	Naveen Kumar Gurugubelli	ZF India	4.75 to 6 LPA
33.	19MH5A0320	Hari Krishna Challa	Hyudai Steel	2.07 LPA
34.	19MH5A0322	Kaduluri Sudarshan Reddy	Hyudai Steel	2.07 LPA
35.	19MH5A0322	Kaduluri Sudarshan Reddy	Infosys	3.60 LPA
36.	19MH5A0322	Kadulurisudarshanreddy	Mediamint	3.10 LPA
37.	19MH5A0323	Kaligotla Sai Karthik	Hyudai Steel	2.07 LPA
38.	19MH5A0323	Kaligotla Sai Karthik	Infosys	3.60 LPA
39.	19MH5A0324	Kandregula Abhiram	Hyudai Steel	2.07 LPA
40.	19MH5A0325	Kandula Lakshmi Sudhakar	Delphi - TVS	2.03 LPA

41.	19MH5A0327	Ketha Manikanta	Hyudai Steel	2.07 LPA
42.	19MH5A0327	Manikanta Ketha	PUZZOLONA MACHINERY	1.56 LPA
43.	19MH5A0327	Ketha Manikanta	Zelf Studie	6.00 LPA
44.	19MH5A0328	Ketha Varunesh	PUZZOLONA MACHINERY	1.56 LPA
45.	19MH5A0330	Kondasandhyarani	Mediamint	3.10 LPA
46.	19MH5A0330	Sandhyarani	Pentagon Space	4.00 To 6.00 LPA
47.	19MH5A0331	Koppana Srinivasu	Delphi - TVS	2.03 LPA
48.	19MH5A0332	Koppiseti Anil Kumar	Hyudai Steel	2.07 LPA
49.	19MH5A0334	Kosanam Sandeep Kalyan	Hyudai Steel	2.07 LPA
50.	19MH5A0335	Kotipalli Veereshkumar	Hyudai Steel	2.07 LPA
51.	19MH5A0335	Kotipalli Veereshkumar	PUZZOLONA MACHINERY	1.56 LPA
52.	19MH5A0336	Lingam Suresh	Hyudai Steel	2.07 LPA
53.	19MH5A0336	Lingam Suresh	Wipro	3.75 LPA
54.	19MH5A0338	Manga Satyanarayana	Hyudai Steel	2.07 LPA
55.	19MH5A0338	Manga Satyanarayana	PUZZOLONA MACHINERY	1.56 LPA
56.	19MH5A0339	Medduru Muralikrishna	Hyudai Steel	2.07 LPA
57.	19MH5A0339	Medduru Murali Krishna	Zelf Studie	6.00 LPA
58.	19MH5A0340	Medisetti Devi Vinay	Hyudai Steel	2.07 LPA
59.	19MH5A0341	Melam Pavan Lakesh	Hyudai Steel	2.07 LPA
60.	19MH5A0345	Nidrabingi Veera Venkata Lova Raju	Hyudai Steel	2.07 LPA
61.	19MH5A0346	Nuka Mohana Rao	Hyudai Steel	2.07 LPA
62.	19MH5A0347	Nunna Sai Chakradhar	Hyudai Steel	2.07 LPA

63.	19MH5A0348	Padala Ravi Kiran	Hyudai Steel	2.07 LPA
64.	19MH5A0348	Ravikiranpadala	Mediamint	3.10 LPA
65.	19MH5A0349	Padala Veera Surya Kanaka Durga Reddy	Hyudai Steel	2.07 LPA
66.	19MH5A0351	Pandi Veera Swamy	Hyudai Steel	2.07 LPA
67.	19MH5A0353	Yedla Ganesh Babu	Hyudai Steel	2.07 LPA
68.	19MH5A0353	Yedlaganesh	Mediamint	3.10 LPA
69.	19MH5A0354	Pendyala Pradeep	CADSYS	4.26 LPA
70.	19MH5A0354	Pendyala Pradeep	Hyudai Steel	2.07 LPA
71.	19MH5A0354	Pradeep Pendyala	Wipro	3.75 LPA
72.	19MH5A0354	Pradeep Pendyala	Zelf Studie	6.00 LPA
73.	19MH5A0355	Penke Sri Sai Kumar	CADSYS	4.26 LPA
74.	19MH5A0355	Penke Sri Sai Kumar	Hyudai Steel	2.07 LPA
75.	19MH5A0357	Reddy Mani Kiran	Infosys	3.60 LPA
76.	19MH5A0358	Shaik Ahamadali	Hyudai Steel	2.07 LPA
77.	19MH5A0358	Ahamad Ali Shaik	Wipro	3.75 LPA
78.	19MH5A0360	Swamireddy Sri Teerdha Ganga Sita Ram	Avantix Technologies	4.60 LPA
79.	19MH5A0360	Swamireddy Sri Teerdha Ganga Sita Ram	Hyudai Steel	2.07 LPA
80.	19MH5A0360	Sri Teerdha Ganga Sita Ram Swamireddy	Wipro	3.75 LPA
81.	19MH5A0365	Undamatla Sri Chakra Anjana Sai	Hyudai Steel	2.07 LPA
82.	19MH5A0366	Uppada Surendra	Hyudai Steel	2.07 LPA
83.	19MH5A0367	Vadranam Ganesh Koteswara Rao	Hyudai Steel	2.07 LPA
84.	19MH5A0368	Vattikuti Pavan Venkata Satya Sri Charan	Hyudai Steel	2.07 LPA

85.	19MH5A0368	Vattikuti Pavan Venkata Satya Sri Charan	Infosys	3.60 LPA
86.	19MH5A0368	Pavan Venkata Satya Sri Charan Vattikuti	TCS Ninja	3.36 LPA
87.	19MH5A0368	Pavan Venkata Satya Sri Charan Vattikuti	TuringMinds.Ai	6.20 LPA
88.	19MH5A0369	Yadala Tirumala Venkatesh	Hyudai Steel	2.07 LPA
89.	19MH5A0370	Yalla Satish	Hyudai Steel	2.07 LPA
90.	19MH5A0370	Yalla Satish	Wipro	3.75 LPA



Events organized in the department

S. No.	Type of Event	Title of Event	Name of the Coordinator	Resource Person Details	Date/s of the event	No. of Participants
1	Workshop	A two day online workshop “write research article using latex”	1.Dr DVSSSV Prasad 2. Dr Marixma Rahula Bharati	Dr S Rajarajan	27-12-2021 to 28-12-2021	350
2	Seminar	IC Engines and combustion technology	1. DVSSSV Prasad 2.Dr Marixma Rahula Bharati	Dr Karthikeya sharma	22-04-2022	180
3	Guest lecture	Thermal Power Plants: Operations & Maintenance	Dr DVSSSV Prasad	Mr A. Sainadh, Senior Engineer, RKM Power Gen Ltd, Chattisgarh	15-11-2021	75
4	FDP	A five day FDP on “Product life cycle management of automotive vehicles- An industry perspective”	Dr YKS Subba Rao	Mr T Chandra sekhar Reddy	25/04/2022 to 29/04/2022	60

Patents Filed by the Faculty

Sl. No.	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Dr DVSSSV Prasad	202241012572	Computer science Engineering	Published	US patent & Trade Mark office
2	Dr DVSSSV Prasad	2021103445	Mechanical Engineering	Granted	IP Australia

Product Development

Sl. No.	Name of the Faculty	Title of the Product developed/ still in incubation	Total cost	No of faculty /student involved	Remarks
1	Dr. N Bhanu Teja Mr.N.Vijaya Kumar	Navigation and multi-tasking Robot	100000/-	2+5	
2	Mr. M Prem Kumar Reddy	Design and Evaluation of solar air heater	80000/-	1+4	

Research Publications by faculty

S.NO	Name of the Faculty Author	Title of the Paper	Name of the Journal	URL/DOI
1	Yarrapragada K. S. S. Rao,	Infrared Thermal Images of Solar PV Panels for Fault Identification Using Image Processing Technique	Journal of photo energy	https://downloads.hindawi.com/journals/ijp/2022/6427076.pdf
2	Yarrapragada K. S. S. Rao	Investigation on Forestry Wood Wastes: Pyrolysis and Thermal Characteristics of Ficus religiosa for Energy Recovery System	Advances in Materials Science and Engineering	https://doi.org/10.1155/2022/3314606
3	Yarrapragada K. S. S. Rao	Mechanical properties of Arecnut and GFR Hybrid polypropylene composites	Advances in polymer technology	https://www.hindawi.com/journals/apt/2022/9633829/
4	Yarrapragada K.S.S. Rao	Biodiesel blends: a comprehensive systematic review on various constraints	Environmental Science and Pollution Research	https://link.springer.com/article/10.1007/s11356-021-13316-8
5	D. V. S. S. S. V. Prasad	Optimization of WEDM Process Parameters in Al2024-Li-Si3N4 MMC	Journal of Nanomaterials	https://www.hindawi.com/journals/jnm/2022/2903385/
6	D. V. S. S. S. V. Prasad	Assessment of Rotational Speed and Plunge Rate on Lap Shear Strength of FSSW Joints of AA7075/Mild Steel	Advances in Materials Science and Engineering	https://www.hindawi.com/journals/amse/2022/6215249/
7	D. V. S. S. S. V. Prasad	Mechanical Properties of Ramie/Hemp Hybrid Composites Influenced by Stacking Arrangement and NaOH Treatment	Advances in Polymer Technology	https://www.hindawi.com/journals/apt/2022/8737669/
8	Bhanu Teja Nalla,	Investigations of combustion, performance, and emission characteristics in a diesel engine fueled with Prunus domestica methyl ester and n-butanol blends	Environmental Progress & Sustainable Energy	https://doi.org/10.1002/ep.13811
9	Bhanu Teja Nalla,	Experimental analysis of Sterculia foetida biodiesel and butanol blends as a renewable and eco-friendly fuel	Industrial Crops and Products	https://doi.org/10.1016/j.indcrop.2022.114612
10	Bhanu Teja Nalla,	Production of biodiesel from phoenix sylvestris oil: Process optimisation technique	Sustainable Chemistry and Pharmacy	https://doi.org/10.1016/j.scp.2022.100636
11	Bhanu Teja Nalla,	Analysis on improving the conversion rate and waste reduction on bioconversion of Citrullus lanatus seed oil and its characterization	Sustainable Chemistry and Pharmacy	https://doi.org/10.1016/j.scp.2021.100497
12	Kai Liu, Yuvarajan Devarajan, Vinnaras	An experimental study on transesterification process and	Biomass Conversion	https://doi.org/10.1007/s13399-021-01744-y

	Nithyanantham, Bhanu Teja Nalla, Vybhav Krishnamurthy	emission analysis of diesel engine propelled with Capparis spinosa biodiesel	and Biorefinery	
13	Bhanu Teja Nalla,	Biofuel production from novel Prunus domestica kernel oil: process optimization technique	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-021-01551-5
14	N Bhanu Teja,	Production Process Optimization study on the synthesis of Manilkara zapota seed bio-oil and its characterization	Biomass Conversion and Biorefinery	https://doi.org/10.1007/s13399-021-01453-6
15	Dr Anjibabu Merneedi	Processing and characterization of carbon nanofibre composites for automotive applications	Journal of Nanomaterials	https://doi.org/10.1155/2021/7323885
16	Dr Anjibabu Merneedi	Evaluating the Mechanical and Tribological Properties of DLC Nanocoated Aluminium 5051 Using RF Sputtering	Journal of Nanomaterials	10.1155/2021/84288 22
17	Dr Anjibabu Merneedi,	Experimental Investigation on Mechanical Properties of Carbon Nanotube-Reinforced Epoxy Composites for Automobile Application	Journal of Nanomaterials	10.1155/2021/49370 59
18	Dr Anjibabu Merneedi,	Synthesis and characterization of polypropylene/ramie fiber with hemp fiber and coir fiber natural biopolymer composite for biomedical application	International Journal of Polymer Science	10.1155/2021/24628 73
19	Dr Anjibabu Merneedi, Suryanarayan & Sridhar	Improvement on Mechanical Properties of Submerged Friction Stir Joining of Dissimilar Tailor Welded Aluminum Blanks	Advances in Materials Science and Engineering	10.1155/2021/33556 92
20	Dr Anjibabu Merneedi,	Optimization on operation parameters in reinforced metal matrix of AA6066 composite with HSS and Cu	Advances in Materials Science and Engineering	10.1155/2021/16097 69
21	Dr Anjibabu Merneedi	Free Vibration Analysis of Thick Rectangular and Elliptical Plates with Concentric Cut-Out	Advances in Materials Science and Engineering	10.1155/2021/72120 75
22	Satish Perabathulaa	Performance analysis of mineral oil based nano-lubricants with sulphur impregnated reduced graphene oxide nanosheets	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2020.12.793
23	D.V.S.S.S.V. Prasad	A novel approach to find optimum group replacement period	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2021.01.894
24	D.V.S.S.S.V. Prasad	An additive approach to find distinct mechanisms of a planar kinematic chain	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2021.02.162

25	D.V.S.S.S.V. Prasad	A rigidity approach to find distinct mechanisms of a planar kinematic chain	Materials Today: Proceedings	https://doi.org/10.1016/j.matpr.2020.11.684
26	Marxim Rahul Bharati,	Teacher's perspective about Online Teaching-Learning	Research Journal in Science, Engineering and Technology (IARJSET)	https://doi.org/10.17148/IARJSET.2021.8821
27	D.V.S.S.S.V. Prasad	A numerical approach to find distinct mechanisms of a planar kinematic chain using linkage coordinates	Springer's LNME	https://doi.org/10.1007/978-981-16-2794-1_114
28	D.V.S.S.S.V. Prasad	A significant feature selection to improve the accuracy of a classification algorithm for steel defect	inventive Research in Computing Applications ICIRCA 2022 CONFERENCE	978-1-6654-9707-7
29	Dr Marxim Rahula Bharathi B	Development of vibrations analyzer using microprocessor and estimation of natural frequencies of simply supported beam.	Virtual International Conference on Impact of IoT and Machine Learning in Mechanical Engineering- ICHIMLME'21	03.08.2021 to 04.08.2021 AICTE sponsored

Appreciation to Placed students on Achievers Day

Welcome to
Achievers Day 2022
Department of Mechanical Engineering

Surampalem, Andhra Pradesh

DATTA	LOKESH	MAHESH	SIVARAJU	SWAMY	SAI	RAJU	RAM	RAJU	RAMU	SAI	SURENDRA
SIVA	BHARGAV	RUPENDRA	NARENDRA	TARUN	GOVARDHAN	SAILANATH	GIREESH	VIKAS	VEERABABU	GANESH	CHARAN
NAVEEN	HARI	SUDARSHAN	KARTHIK	ABHIRAM	SUDHAKAR	MANIKANTA	VARUNESH	SANDHYA	SRINIVAS	VENKY	SATISH
ANIL	SANDEEP	VEERESH	SURESH	SATYA	MURALI	VINAY	PAVAN	LOVARAJU	MOHAN	AHAMADALI	SITARAM
CHAKRI	RAVI	DURGA	SWAMY	GANESH	PRADEEP	SAI KUMAR	MANI				

Congratulations

ADITYA

A Gova Raju
MECHANICAL ENGINEERING
for securing job in
wipro Delphi-TVS Technologies

ADITYA COLLEGE OF ENGINEERING
Surampalem, Kakinada Dist, Andhra Pradesh, INDIA

#Aditya Pride

Congratulations

ADITYA

A Ramachakra
MECHANICAL ENGINEERING
for securing job in
HYUNDAI STEEL

ADITYA COLLEGE OF ENGINEERING
Surampalem, Kakinada Dist, Andhra Pradesh, INDIA

#Aditya Pride



Congratulations



K Sandhya Rani

MECHANICAL ENGINEERING

for securing job in



#Aditya Pride



ADITYA COLLEGE OF ENGINEERING

Surampalem, Kakinada Dist, Andhra Pradesh, INDIA



Congratulations



K Srinivas

MECHANICAL ENGINEERING

for securing job in



#Aditya Pride



ADITYA COLLEGE OF ENGINEERING

Surampalem, Kakinada Dist, Andhra Pradesh, INDIA