

# NEWS LETTER



## MECHANICAL TIMES

Volume 3 : Issue 2 Sep - 2021

## 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 3: Issue 2

## NEWS LETTER

Sep-2021

DEPARTMENT OF MECHANICAL ENGINEERING

“The engineer is a mediator between the philosopher and the working mechanic and, like an interpreter between two foreigners must understand the language of both, hence the absolute necessity of possessing both practical and theoretical knowledge.”

### Vision

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

### Mission

M1: Provide the 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

Frequency: Half Yearly

Editorial Board

Dr. Y. K. S. Subbarao

Prof & HOD

Department of Mechanical Engineering

Mr. P. Hari Chandra Prasad

Assistant Professor

Y Satish-III B. Tech

G Himasailanath-III B. Tech

P. Hari Prasad Reddy-II B. Tech

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Students Contributions

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## Semester Toppers

### TOPPERS LIST @ (17 Batch) IV B.TECH II SEMESTER



**9.00 (1<sup>st</sup> Place)**  
**18MH5A0307**  
**GADDALA DINAKAR**



**9.00 (1<sup>st</sup> Place)**  
**18MH5A0339**  
**RAYUDU KARTHIK**



**8.75 (2<sup>nd</sup> Place)**  
**18MH5A0323**  
**L REKHA DURGA MANI**

### TOPPERS LIST @ (18 Batch) III B.TECH II SEMESTER



**8.71 (1<sup>st</sup> Place)**  
**19MH5A0348**  
**PADALA RAVI KIRAN**



**8.29 (2<sup>nd</sup> Place)**  
**19MH5A0344**  
**NEKKALA SANDEEP KUMAR**

**TOPPERS LIST @ (19 Batch) II B.TECH II SEMESTER**



**7.14 (1<sup>st</sup> Place)  
20MH5A0345  
SIRIPALLI RAMAKRISHNA**



**7.00 (2<sup>nd</sup> Place)  
20MH5A0311  
D KRISHNARJUNAPRASAD**



**7.00 (2<sup>nd</sup> Place)  
20MH5A0312  
DSRI DATTA SAI GANGADHAR**



**7.00 (2<sup>nd</sup> Place)  
20MH5A0313  
G NANI LOVA VARA PRASAD**

**/\*\*CONGRATULATIONS\*\*/**

# Students Placed

Sl.No.	Student Name	Enrollment No.	Employee Name	Appointment No.
1	Barnikala Tatajee	18MH5A0302	Hyundai Steel Chennai	09-01-2021
2	Borusu Loka Veera Sriram	18MH5A0304	Hyundai Steel Chennai	09-01-2021
3	Gudla Suresh	18MH5A0310	Hyundai Steel Chennai	09-01-2021
4	K D V S S Apparao	18MH5A0319	Hyundai Steel Chennai	09-01-2021
5	Kotipalli Narendra Kumar	18MH5A0321	Hyundai Steel Chennai	09-01-2021
6	Malladi Jaya Surya	18MH5A0324	Hyundai Steel Chennai	09-01-2021
7	Medapureddi Srinu	18MH5A0327	Hyundai Steel Chennai	09-01-2021
8	Mediseti Devi Prasad Raju	18MH5A0328	Hyundai Steel Chennai	09-01-2021
9	Mutyala Sai Manoj	18MH5A0330	Hyundai Steel Chennai	09-01-2021
10	Nalla Simhadri Dora	18MH5A0331	Hyundai Steel Chennai	09-01-2021
11	Nandipati Swamy	18MH5A0332	Hyundai Steel Chennai	09-01-2021
12	Nunnaboina Mallikharjuna rao	18MH5A0333	Hyundai Steel Chennai	09-01-2021
13	Rayudu Karthik	18MH5A0339	Hyundai Steel Chennai	09-01-2021
14	Seeli John Moses	18MH5A0341	Hyundai Steel Chennai	09-01-2021
15	Somisetti Sateesh	18MH5A0343	Hyundai Steel Chennai	09-01-2021
16	S Veera Venkata Satyanarayana	18MH5A0344	Hyundai Steel Chennai	09-01-2021
17	Tallam N N V Ganesh	18MH5A0345	Hyundai Steel Chennai	09-01-2021
18	Vakada Ratna Prasad	18MH5A0347	Hyundai Steel Chennai	09-01-2021
19	Vasamsetti Gangadhara Sai	18MH5A0348	Hyundai Steel Chennai	09-01-2021
20	Voleti Satya Teja	18MH5A0349	Hyundai Steel Chennai	09-01-2021

21	Mylapilli Rajesh	18MH5A0353	Hyundai Steel Chennai	09-01-2021
22	Vaddi Siva Surya Sai Durga	18MH5A0359	Hyundai Steel Chennai	09-01-2021
23	Alluri Hemanth Kumar	18MH5A0301	AVTECH Hosur TN	27-01-2021
24	Chittem Nagendra Babu	18MH5A0306	AVTECH Hosur TN	27-01-2021
25	Inumarthi Satya Veera Lokesh	18MH5A0312	AVTECH Hosur TN	27-01-2021
26	Jilagam Hema Suresh	18MH5A0314	Cognizant	27-01-2021
27	Panthadi Sathish Kumar	18MH5A0334	AVTECH Hosur TN	27-01-2021
28	Pedavegi Surya Sai Teja	18MH5A0336	AVTECH Hosur TN	27-01-2021
29	Khandavilli Sai Datta	18MH5A0317	Daejoo Automotive	05-04-2021
30	Gollavilli V V Satya Sai Ravi Teja	18MH5A0308	Daejoo Automotive	05-04-2021
31	Gooda Murali Krishna	18MH5A0309	Daejoo Automotive	05-04-2021
32	Manepalli Hema Veera Manikanta	18MH5A0325	Daejoo Automotive	05-04-2021
33	Lakkasani Rekha Durga Mani	18MH5A0323	Hitech Arai Chokikulam TN	05-04-2021
34	Pitla Surekha	18MH5A0337	Hitech Arai Chokikulam TN	05-04-2021
35	S Samuel Raju	18MH5A0358	Surya Tech Solutions Hyd	03-02-2021
36	K Bala Murali	18MH5A0315	Surya Tech Solutions Hyd	03-02-2021
37	B Likiteshwar	17MH1A0301	Aakash Exploration Services LTD	29-08-2021
38	Syed Salman Ahamed	17MH1A0314	Aakash Exploration Services LTD	29-08-2021

## Workshops Seminars Conferences attended by the faculty

S.No	Name of the faculty	Name of the Event	Name of the organizer	Place/ Location	Dates/ Duration
1	Dr Anjibabu Merneedi	A 3 -day administrative training program for faculty on quality initiatives	Aditya Engineering College	Surampalem	16-09-2021 to 18-09-2021
2	Mr.Talari Srinu	ICAAMM 2021	MLR Institute of Technology	Hyderabad	27-08-2021 to 28-08-2021
3	Mr.P.Hari Chandra prasad	Educational opportunities in United kingdom	Golgotias university	Greater Noida	11-06-2021
4	Dr Y K S Subba Rao	Advances in Modelling, Manufacturing and material Engineering	VFSTR	GUNTUR	30/10/2020 to 31/10/2020
5	Dr Y K S Subba Rao	Advances in Modelling, Manufacturing and material Engineering	VFSTR	GUNTUR	30/10/2020 to 31/10/2020
6	Mr M Prem Kumar Reddy	ICMMSE - 2021	CMR Institute of Technology	Hyderabad	24/09/2021to 25/09/2021
7	Mr M Prem Kumar Reddy	ICMMSE - 2021	CMR Institute of Technology	Hyderabad	24/09/2021 to 25/09/2021
8	Mr.Talari Srinu	ICAAMM 2021	MLR Institute of Technology	Hyderabad	27-08-2021 to 28-08-2021
9	Mr.Talari Srinu	ICAAMM 2021	MLR Institute of Technology	Hyderabad	27-08-2021 to 28-08-2021
10	Mr.Talari Srinu	ICAAMM 2021	MLR Institute of Technology	Hyderabad	27-08-2021 to 28-08-2021
11	Dr DVSSSV Prasad	A 3 -day administrative training program for faculty on quality initiatives	Aditya Engineering College	Surampalem	16-09-2021 to 18-09-2021
12	Dr DVSSSV Prasad	Revised 2-day national workshop on the revised accreditation frame work of NAAC 2020, the practice of quality initiatives by IQAC for the quality enhancement in HEIs	Vignan Institute of Information Technology.	Visakhapatnam	14-05-2021 to 15-05-2021

## PATENTS

Sl. No.	Name of the Faculty	Patent details	Area of the patents files/ obtained	Status	Filing agency
1	Dr N Bhanu Teja	202041006677	Mechanical Engineering	Published	US patent & Trade Mark office
2	Dr N Bhanu Teja	202041006676	Chemical	Abonded	US patent & Trade Mark office
3	Dr Marxim Rahula Bharathi B	202121018506 A	Design	Published	Indian Patent
4	Dr Marxim Rahula Bharathi B	202141016916 A	Machine Learning	Published	Indian Patent
5	Dr Y K S Subba Rao	202141033818	Mechanical Engineering	Published	Intellectual Property India
6	Dr Y K S Subba Rao	202141033795	Computer Science	Awaiting request for examination	Intellectual Property India

### List of Product Developed/ incubation

Sl. No.	Name of the Faculty	Title of the Product developed/ still in incubation	Total cost	Collaborated agencies	No of faculty /student involved	Remarks
1	Dr YKS Subbarao	Developing Shredder machinery for recycling the plastic to make plastic bricks	60,000	i2E - APSSDC	4	Recycling the plastic and making plastic bricks out of it
2	Dr YKS Subbarao	Developing extraction machine to make plastic flexible wire from plastic scrap	40,000	i2E - APSSDC	4	Making plastic wire reels for construction purposes

## Research Publications (Journals)

SI	Name of the Faculty Author	Title of the Paper	ISBN/ISSN Number	UGC/Scopus	URL/DOI
1	Dr Anjibabu Merneedi	Experimental investigation on wear behaviour of bio-waste reinforced fusion fiber composite laminate under various conditions	2214-7853	scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320351981">https://www.sciencedirect.com/science/article/pii/S2214785320351981</a>
2	Dr N Bhanu Teja	Performance optimization of mahua biodiesel using cetane number improver	2214-7853	scopus	<a href="https://www.sciencedirect.com/science/article/pii/S221478532100290X">https://www.sciencedirect.com/science/article/pii/S221478532100290X</a>
3	Mr Satish Perabathula Chandra Prasad	“Performance analysis of mineral oil based nano-lubricants with sulphur impregnated reduced graphene oxide nanosheets	2214-7853	scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320405115">https://www.sciencedirect.com/science/article/pii/S2214785320405115</a>
4	Dr N Bhanu Teja	Investigations of performance and emission characteristics in diesel engine fueled with Hemp oil methyl ester	2214-7853	scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320387162">https://www.sciencedirect.com/science/article/pii/S2214785320387162</a>
5	Dr N Bhanu Teja	Production Process Optimization study on the synthesis of Manilkara zapota seed bio-oil and its characterization	2190-6823	scopus	<a href="https://link.springer.com/article/10.1007/s13399-021-01453-6">https://link.springer.com/article/10.1007/s13399-021-01453-6</a>
6	Dr N Bhanu Teja	Detailed analysis on sterculia foetida kernel oil as renewable fuel in compression ignition engine	2190-6823	scopus	<a href="https://link.springer.com/article/10.1007%2Fs13399-021-01328-w">https://link.springer.com/article/10.1007%2Fs13399-021-01328-w</a>
7	Dr N Bhanu Teja	Biodiesel production from Caulerpa racemosa (macroalgae) oil	2582-6727	scopus	<a href="http://nopr.niscair.res.in/bitstream/123456789/54650/1/IJMS%2049%284%29%20616-621.pdf">http://nopr.niscair.res.in/bitstream/123456789/54650/1/IJMS%2049%284%29%20616-621.pdf</a>

## Faculty Development Programs Attended

Sl. no	Name of the Faculty	Name of the FDP	Organized by	Place	Duration
1	Dr DVSSSV Prasad	5day STP on Fracture Mechanics and its applications to Laminated composites	IIT Guwahati	Guwahati	01-03-2021 to 05-03-2021
2	Dr DVSSSV Prasad	Two week onlineFDP on Recent advances in Materials and Challenges in Manufacturing Technologies	COE, JNTUK	Kakinada	22-03-2021 to 03-04-2021
3	Mr V Venkata Chaitanya	Modern industrial Technology in mechanical engineering	Aditya Engineering College	online	02-07-2021 to 08-07-2021
4	Mr V Venkata Chaitanya	Emerging trends in thermal and renewable energy systems	Lakireddybalireddy college of engineering	online	28-06-2021 to 02-07-2021
5	Mr V Venkata Chaitanya	Research Methodology in humanities and social sciences	Lords institute of engineering & technology	online	29-05-2021 to 03-06-2021
6	Mr M.Vamsi	Creativity and Innovation: Creating Exciting Ideas and Projects	Kaziranga University	Online	3-07-2021
7	Mr M.Vamsi	Advances in Manufacturing(AIM-2021)	BIT Sindri, Dhanbad	Online	15-06-2021 to 19-06-2021
8	SmtS.Swetharadha	Funding support for early stage of entrepreneurship	Pragati Engineering College	Online	27-9-2021
9	Mr K.Venkata Ramana	Recent Advances in Metal Alloy design and processing	MNIT Jaipur	Online	01-10-2021 to 05-10-2021
10	Mr K.Venkata Ramana	Expert talk on Laser Machining	MCKIEV, Howrah	Online	4-7-2021
11	Mr K.Venkata Ramana	Recent Advancements and Research Opportunities in Energy Sector	Aditya Engineering College	Online	29-11-2021 to 03-12-2021
12	Mr. TalariSrinu	Fracture Mechanics and its Applications to Laminated composites	IIT GOWAHATHI	Online	01-03-2021 to 05-03-2021
13	Mr.I.Manoj Krishna	3D Printing & Design	JNTU Kakinada	Online	19-10-2020 to 23-10-2020
14	Mr.I.Manoj Krishna	Engineering Law	JNTU Kakinada	Online	12-10-2020 to 16-10-2020
15	Mr.I.Manoj Krishna	Recent Trends In Manufacturing Technology And Thermal Engineering	JNTU Kakinada	Online	06-10-2021 to 13-10-2021
16	Mr.P.Hari Chandra prasad	Research Methodology In Humanities & Social Sciences	JNTU Kakinada	Online	29-05-2021 to 3-06-2021
17	Mr.P.HariChandra prasad	Research areas in Artificial Intelligence & Machine Learning with Case Studies	JNTU Kakinada	Online	14-06-2021 to 20-06-2021
18	Mr M Sarat Chandra Prasad	Advances in Manufacturing(AIM-2021)	JNTU Kakinada	Online	15-06-2021 to 19-06-2021
19	Mr M Sarat Chandra Prasad	Innovations and Challenges in Industry 4.0 Automation and smart manufacturing	JNTU Kakinada	Online	07-06-2021 to 12-06-2021
20	Mr M Sarat Chandra Prasad	Recent Advances in materials and challenges in manufacturing techniques	JNTU Kakinada	Online	22-03-2021 to 03-04-2021
21	Mr M Sarat Chandra Prasad	Recent Innovations in Design and Manufacturing	Malla Reddy Engineering College	online	24-05-2021 to 29-05-2021

22	Mr M Prem Kumar Reddy	Fracture Mechanics and its applications to laminated composites	IIT GUWAHATI	Online	01-03-2021 to 05-03-2021
23	Mr M Prem Kumar Reddy	Recent Innovative Developments in Thermal Engineering	Malla Reddy Engineering College(A)	Online	28-6-2021 to 03-07-2021
24	Mr M Prem Kumar Reddy	Research Methodology in humanities and social sciences	lords institute of engineering & technology	Online	29-05-2021 to 03-06-2021
25	Mr M Prem Kumar Reddy	Research areas in Artificial Intelligence & Machine Learning with Case Studies	GokarajuRangaraju Institute of Engineering and Technology from	Online	14-06-2021 to 20-06-2021
26	Mr M Prem Kumar Reddy	NIRF Indian ranking 2021	Institute for Academic Excellence	Online	18-01-2021 to 19-01-2021

## Research Publications (Conference papers/Posters)

Sl. No.	Name of the Faculty as Author	No of Authors	Title of the Paper	Name of the Conference	Date/s	ISBN/ISSN Number
1	Mr Talari Srinu	2	CFD analysis on various cross sectioned fins to determine the heat transfer rate	ICAAMM 2021	27-08-2021 to 28-08-2021	2214-7853
2	Mr Talari Srinu	2	CFD analysis of ic engine intake	ICAAMM 2021	27-08-2021 to 28-08-2021	2214-7853
3	Mr Talari Srinu	2	Design And Analysis Of Vertical Axis Wind Turbine Using CFD	ICAAMM 2021	27-08-2021 to 28-08-2021	2214-7853
4	Mr Talari Srinu	5	Mechanical Characterization of Kenaf Fibre Reinforced Epoxy Composites with Pistachio Shell and Seashell Powder as Filler Materials	ICAAMM 2021	27-08-2021 to 28-08-2021	2214-7853
5	Dr Y K S Subba Rao	3	Analysis of Vibrations for Laminated Composites based on Finite Elements	Advances In Modeling, Manufacturing and material Engineering	30.10.2020 & 31.10.2020	2578-4565
6	Dr Y K S Subba Rao	3	Wear behavior on hybrid composite material	Advances In Modeling, Manufacturing and material Engineering	30.10.2020 & 31.10.2020	2578-4565
7	Mr M Prem Kumar Reddy	4	Performance monitoring and control of an intelligent AL <sub>2</sub> O <sub>3</sub> Nano-fluid jet impingement MMC heat sink using IoT	ICMMSE - 2021	24.09.2021 to 25.09.2021	2353-5401
8	Mr M Prem Kumar Reddy	4	Study on Agglomeration in a micro-channels heat sink with Al <sub>2</sub> O <sub>3</sub> & CUO nanofluid	ICMMSE - 2021	24.09.2021 to 25.09.2021	2353-5402

9	Dr DVSSSV Prasad	3	Prediction of prevalence of COVID-19 in India using Time Series analysis	International Conference on Emerging Trends in Management	Aug-20	2455-064
10	Dr DVSSSV Prasad	4	Inversions of kinematic chain by link adjacency product	EMSME-2020	30-10-2020 to 01-11-2020	2582-4376
11	Dr DVSSSV Prasad	4	Projections of straight lines incline to both reference planes using circle diagram	ICRAME-2021	-	978-98-1162-798-4
12	Dr DVSSSV Prasad	3	Teachers' perception about Online Teaching-Learning	ICSST Online-2021	29-07-2021 & 30-07-2021	2582-4376