

SHABDKOSH

NEWSLETTER

VOLUME – XI

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2021-22

DEPARTMENT OF MECHANICAL ENGINEERING



ADITYA ENGINEERING COLLEGE (A)

APPROVED BY AICTE NEW DELHI AND AFFILIATED TO JNTU KAKINADA

Vision & Mission

ABOUT MECHANICAL DEPARTMENT

Managing moving machines of the world! It is this catchy phrase that has made Mechanical Engineering the thriving branch for being an integral part in shaping our world run on machines. The Mechanical Engineering department at Aditya has earned a place of high repute through its quality teaching rendered by highly qualified and experienced faculty with remarkable number of research publications in reputed journals like ASME, ELSEVIER etc. and rigorous practical training creating an ambience of excitement in all the stages of study. The department lays impetus on hands-on training with the support of simulation packages such as CATIA, ANSYS, IDEAS, PRO-E, UNIGRAPHICS and SOLID WORDS. The academic activities include guest lectures, industrial visits, workshops, seminars, technical festivals VEDA and programs under Mechanical Engineering Students Association (MESA), collegiate club of the Society of Automotive Engineers (SAE) and Auto gear club. The projects that received appreciation in various events organized at state and national level are Go-Kart, Quad bike, Solar powered wheelchair, LPG bike, Reaping Machine, and many more such highly relevant contraptions. Students are encouraged to do internships in reputed industries like TATA Motors PVT. LTD., Hindustan Shipyard, BHEL PVT. LTD., Bhilai Steel Plant, Bokaro Thermal Power Station, Nalco Mining Division etc

VISION OF THE DEPARTMENT

To be a preferred knowledge hub in Mechanical Engineering towards critical thinking, Quality research and innovation

MISSION OF THE DEPARTMENT

MISSION 1

Provide infrastructure for design and development of modern-day solutions.

MISSION 2

Impart leadership, critical thinking and innovation to address the societal needs.

MISSION 3

Collaborate with industry, academia, & R&D organizations for excellence in teaching, research and consultancy services.

Faculty Publication

JUNE-AUG 2021

Sl. No	Authors	Title of the research paper	Name of the journal	Name of the Publisher	Year of publication	Impact factor
1.	Pritam Kumar Das	Experimental investigation for stability and surface properties of TiO ₂ and Al ₂ O ₃ water-based nano fluids	Journal of Thermal Analysis and Calorimetry	Springer	June - 2021	4.7 (SCI)
2.	Sandip Kunar	Micro-electrochemical jet machining of large area microtexturing with tool movement strategy	Materials and Manufacturing Process	Taylor and Francis	July - 2021	4.7 (SCI)
3.	M. Zubairuddin	Thermo-mechanical analysis of laser welding of Grade 91 steel plates Optik Journal	Optik	Elsevier	July - 2021	2.84 (SCI)

Faculty Book Chapters

Sl. No	Authors	Title of the research paper	Name of the journal	Name of the Publisher	Year of publication	Impact factor
1.	Elumalai P.V	Effect of Hybrid Nanoparticle on DI Diesel Engine Performance, Combustion, and Emission Studies	Energy, Environment, and Sustainability	Springer	June - 2021	NA (Scopus)

Faculty Attended Conference

S. No.	Name of faculty	Name of Event	Name of organizer	Place/ Location	Dates/ Duration
1	Dr. Sandip Kunar	GCRASM-2021	AJ Institute of Engineering and Technology	Mangalore	29-30 July 2021/2 Days
2	Mr. Sartaj Patel	ICAPSM-2021	SNS College	Coimbatore	17-18 August 2021/2 Days

FACULTY DEVELOPMENT PROGRAM ORGANISED

DEPARTMENT OF MECHANICAL ENGINEERING (Program Scheduled)

One Week Faculty Development Program on "Modern Industrial Technology in Mechanical Engineering" From 2nd - 8th JULY, 2021

SLNo	DATE	DAY	NAME OF THE RESOURCE PERSON AND DESIGNATION	TIMING	TOPIC
1.	02-07-2021	FRIDAY	Mr. Johnson Ashok Kumar, Technical Manager, Saipem India Projects Pvt Ltd, Chennai.	11.00 A.M to 12.30 NOON	Plant Design and Engineering
2.	03-07-2021	SATURDAY	Mr A. Senthilkumar, Associate General Manager, R&D Advanced General Engineering, Greaves Cotton Limited, Chennai.	11.00 A.M to 12.30 NOON	An overview on BS6 Emission regulations and control strategies applied to 3-Wheeler Single Cylinder Diesel Engines used in Automotive Industry.
3.	05-07-2021	MONDAY	Dr. R. Manivannan Scientist Wire Arc Additive Manufacturing. Central Mechanical Engineering Research Institute. Durgapur, West Bengal	11.00 A.M to 12.30 NOON	Pre-processing & Post processing in Additive Manufacturing
4.	06-07-2021	TUESDAY	Mr. M. Sathyanandan General Manager, Product Development Ashok Leyland, Chennai.	10.30 A.M to 12.00 NOON	Current Trends in Emission Norms
5.	07-07-2021	WEDNESDAY	Mr. C. Raja, Deputy General Manager - Development (Engineering), Sundram Fasteners limited - Autolec Division, Chennai.	11.00 A.M to 12.30 NOON	Artificial intelligence and automation of present and future
6.	08-07-2021	THURSDAY	Mr. R. Ravikumar, Scientist Officer, IDEA Section, Indira Gandhi Center for Atomic Research, Kalpakkam.	11.00 A.M to 12.30 NOON	Advances in Laser Welding



"Two Day Workshop on CNC and 3D Printing"

Event Dates: 02-06-2021 to 03-06-2021

Number of Days: 2 Days

Co-ordinator: Mr. K L KISHORE, Associate Professor, Department of ME.

Agenda/Event Flow:

Day-1(session-1): G – CODES & M- CODES

Day-1(session-2): Hands on session on CNC Machine

Day-2(session-1): Introduction to 3D printing

Day-2(session-2): Hands on session on 3D printing

No. of Participants: 15

Experts with Designation: 1. Mrs. M ANUSHA, Asst Professor

2. Mr. RAJESH KUMAR, Asst Professor



VACCINATION DRIVE

JUNE-AUG 2021

In the month of January, the social clubs in our college (Aditya Engineering College and NSS unit) had successfully conducted the mega vaccination drive in our college. In this event students from our department have contributed an active role and successfully vaccinated 125 people, with the support of our area health volunteers.



PLACEMENT DETAILS



ADITYA ENGINEERING COLLEGE (A)
Approved by AICTE Permanently Affiliated to JNTUK Accredited by NAAC with 'A' Grade
 Recognised by UGC under sections 2(f) and 12(B) of UGC Act, 1956

CAMPUS PLACEMENT
2021-2022

DXC Technologies

Package: 4.00 LPA

 Nagavolu Akhil 18A91A0332	 Srinaththirunalakuchapodi Sai Saketh 18A91A0350	 Bharath Kumar V 18A91A0365
 Kondru Durgasai 18A91A0382	 Sayyed Fayazuddin 18A91A0398	 Satya Pujit Sunkara 18A91A03A1
 Venkata Satya Gopala Rao Borusu 18A91A03C0	 Chokkapu Navaneeth Kumar 18A91A03C2	 Naga Sai Manikanta Gadde 18A91A03C6
 Matseti Rupa Srivani 18A91A03E2	 Muryala Pavan Durga Prasad 18A91A03E6	

TCS Ninja


 Package: 3.36 LPA
 Naveen Pragada
18A91A0344

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