

SHABDKOSH

NEWS LETTER

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2021-22

DEPARTMENT OF MECHANICAL ENGINEERING



ADITYA ENGINEERING COLEEGE (A)
ADITYA NAGAR, SURAMPALEM, EAST GODAVARI DIST.
ANDHRA PRADESH.

ABOUT US

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

M1

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

M2:

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

M3:

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

FACULTY PUBLICATIONS

DEC-FEB 2022

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	Effects of on MnO ₂ nanoparticles behavior of a sardine oil methyl ester operated in thermal barrier coated engine	Journal of Thermal Analysis and Calorimetry	Springer	Jan - 2022	4.7 (SCI)
2.	N.Nagabhoos hanam	Investigations of Nanoparticles (Al ₂ O ₃ -SiO ₂) Addition on the Mechanical Properties of Blended Matrix Polymer Composite	Journal of Nanomaterials	Hindwai	Jan - 2022	3.79 (SCI)
3.	Sandip Kunar	WEDM Machining Performance of Al Based Metal Matrix Composites Reinforced with Rice Husk Ash	Materials Science Forum	Trans Tech	Jan - 2022	2.84 (SCI)

Faculty Conference Publication

Sl. No	Authors	Title of the research paper	Name of the journal	Name of the Publisher	Year of publication	Impact factor
1	V.S.N.Ch. Dattu	Experimentally investigating the influence of static mixers on the performance of a solar water heater	Materials Today Proceeding	Elsevier	Jan 2022	NA
2	V.S.N.Ch. Dattu	Mechanical Characterization of polymer composite reinforced with Bio-fillers	Materials Today Proceeding	Elsevier	Jan 2022	NA

Faculty Attended Conference

S. No.	Name of faculty	Name of Event	Name of organizer	Place/ Location	Dates/ Duration
1	A.S.S. M. Sitaram Murthy	ICAFEV-2021	Alard College of Engineering	Pune	9-10 Dec 2021 / 2 Days
2	S.Anjani Devi	ICAFEV-2021	Alard College of Engineering	Pune	9-10 Dec 2021 / 2 Days
3	Sartaj Patel	ICAFEV-2021	Alard College of Engineering	Pune	9-10 Dec 2021 / 2 Days
4	M.Zubairuddin	ICEMMM - 2021	SSN College of Engineering	Chennai	16-17 Dec 2021 / 2 Days
5	Zeeshan Ahmad	ICFAMMTS - 2022	IITRM	Ahmedabad	20-21, Jan 2022 / 2 Days
6	Pritam Kumar Das	ICMMRE - 2022	Sikkim Manipal Institute of Technology	Sikkim	11 to 12 Feb 2022 / 2 Days
7	Sandip Kunar	ICMMRE - 2022	Sikkim Manipal Institute of Technology	Sikkim	11 to 12 Feb 2022 / 2 Days

Faculty Book Chapter

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	Hydrogen in spark ignition engines	Energy, Environment, and Sustainability	Springer	June - 2021	NA (Scopus)

The social clubs at our college (Aditya Engineering College and NSS unit) successfully conducted the mega vaccination drive in December 2022. Students from our department took an active role in this event, successfully vaccinating 135 people with the help of our local health volunteers.



SEMINAR ON “INTELLECTUAL PROPERTY RIGHTS AND PATENT PROSECUTION (IPR&PP)”

The IPR & Patent Prosecution aims to address the gaps present between innovation and IPR findings. The webinar session also address the following:

- Knowledge economy, Digital age and IPR Protection.
- Importance and types of IPR's, Ownership, Prior Art Analytics in Patent Parlance, Identifying various steps involved in IPR searching, filing, prosecution and mentorization via Technology Transfer.
- Career opportunities in IPR domain: National and International perspective

Event Dates: 27-12-2021

Number of Days: 1 Day

Co-ordinator: Dr. M. Zubairuddin, Assistant Professor, ME

Mrs. A Sirisha Bhadrakali, Associate Professor, ME

No. of Participants: 68

Experts with Designation: Dr. Rajesh Kulkarni, Associate Professor,

Experts' Profile: Dr. Rajesh Kulkarni working as Associate Professor, CSED, MVSREC, Hyd

Venue: Online (Microsoft Teams)

Hospitality/Accommodation: No

Staffing:

1. Mr. D. Ravi Teja, Asst. Professor, ME

OUTCOME

Department of Mechanical Engineering, Aditya Engineering College, organized Online Seminar on “Intellectual Property Rights and Patent Prosecution(IPR&PP)” on 27-12-2021 . The Seminar was designed to provide insights into state-of-the- art recent trends advancements and types of IPR’s, Ownership, Prior Art Analytics in Patent Parlance, Identifying various steps involved in IPR searching, filing, prosecution and mentorization via Technology Transfer. On an average 70 participants benefited from this Seminar.



PLACEMENT DETAILS

DEC-FEB 2022



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