

YANTRA

MAGAZINE

VOLUME - VI

2022-23

ISSUE - 1 (JUNE-NOV)

DEPARTMENT OF MECHANICAL ENGINEERING



ADITYA ENGINEERING COLLEGE(A)

APPROVED BY AICTE NEW DELHI AND AFFILIATED TO JNTU KAKINADA

ABOUT MECHANICAL ENGINEERING 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 umpteen 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, I-DEAS, PRO-E, UNIGRAPHICS and SOLID WORKS.

The professional 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 wheel chair, 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

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

MISSION

M1:

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

M2:

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

M3:

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

WORKSHOP ATTENDED:

Brief report on Workshop: Research Advances in Automotive Sheet Materials and Manufacturing an Overview

Year of Students: IIIrd & IVth Year Students

Date: 14-07-2022, Number of Participants: 94

Resource Person

Dr. Ravi Kumar, Department of Mechanical Engineering, Professor, IIT Delhi



PATENTS AWARDED/GRANTED:

1. **Application Number:** 201841038721

Applicant Name: Dr .P.S. Ranjit

Title of Invention: Development of Clutch Based Mechanical Oriented Side Stand Retrieval Mechanism For 2-Wheelers and Method Thereof

2. **Application Number:** 202221045029

Applicant Name: Dr .P.S. Ranjit

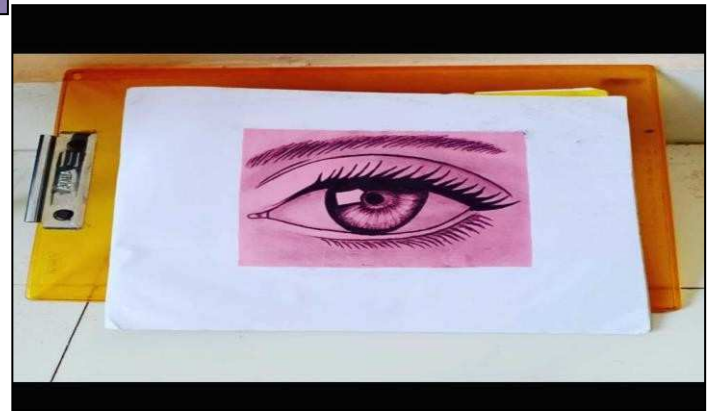
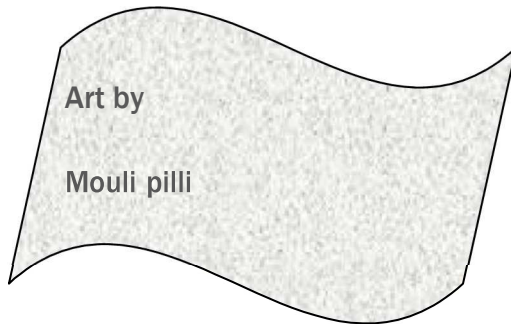
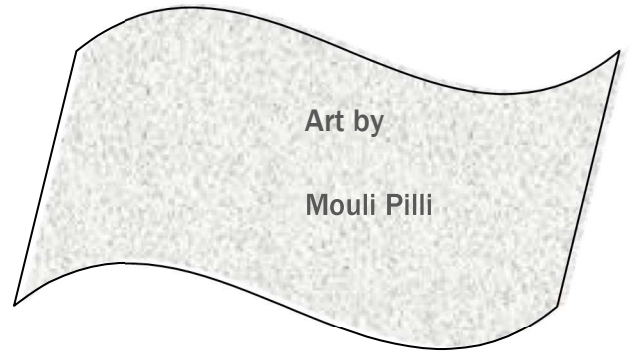
Title of Invention: IoT-based intelligent electric vehicle charging station

3. **Application Number:** 202211075958

Applicant Name: Dr .P.S. Ranjit

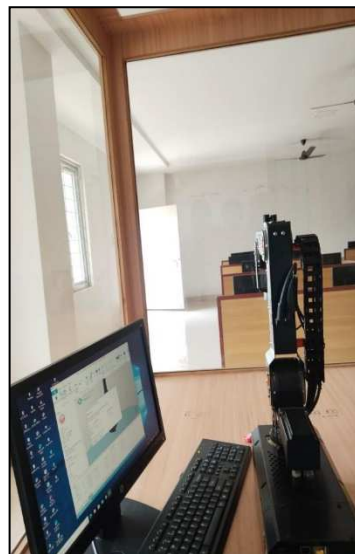
Title of Invention: Analysis of the Efficacy of the Electric and Hybrid Electric Vehicles through the Techniques of Artificial Intelligence

STUDENT ARCHITECTURES



APPLIED ROBOTIC CONTROL:

Empowering The Students Forwards The Future Innovative Minds And Developing Them For A Prior Industry Oriented Knowledge And Levelling Up Their Skills In An Outstanding Manner By Creating Future Minds Of India Through The Advance Certification Programme On Emerging Technologies Under The Apssdc Through State Government Support



STUDENT ATHLETICS:



Adityans Not Only Obsessed With Education But Also Show Cases It Active Participation In Sports And Athletics By Jawaharlal Nehru Technological University Kakinada For Running Competition And K. Durga Prasad From Aditya Engineering College(A) Got Second Place

STUDENT ARCHITECTURES:



G J V D MAHESH 19A91A0374



CH NIKESH 19A91A0366

OUR TESTIMONIAL:

"THE CLASSES ARE NOT ONLY THEORETICAL.

We start with theory but then we jump into practical casThis is really good practice for internships and for professional life in general.

Back In My University, We Get Good Theoretical MaterialWe Do Not Get Taught This Material In Practical"



SAMUEL RAJA
21A95A0342

Engineering Student

STORIES

"In ancient times, a king had his men place a boulder on a roadway. He then hid in the bushes, and watched to see if anyone would move the boulder out of the way. Some of the king's wealthiest merchants and courtiers passed by and simply walked around it.

Many people blamed the King for not keeping the roads clear, but none of them did anything about getting the stone removed.

One day, a peasant came along carrying vegetables. Upon approaching the boulder, the peasant laid down his burden and tried to push the stone out of the way. After much pushing and straining, he finally managed.

After the peasant went back to pick up his vegetables, he noticed a purse lying in the road where the boulder had been.

The purse contained many gold coins and a note from the King explaining that the gold was for the person

BY
SOMESH
21A95A0338

EDITORIAL BOARD

Editor-in-Chief

Dr. M. Sreenivasa Reddy Director

ASSOCIATE EDITOR

Dr. Pritam Kumar Das Professor & HOD

Dr. P.V. Elumalai Asso. Professor

ASSISTANT EDITOR

Mr. B. Srihari Ganesh IVth year

Mr. K. Naga Sandeep IVth year

Mr. K. Akhil Mani Kanta IIIrd year

Mr. N.M.S.V. Karunakar IIIrd year

P. Prasad Mouli IIIrd year

Mr. Kona Prana Arjun IInd year

Mr. Pathi Yesebu IInd year