

IGNITE 2023



A DAILY NEWSLETTER

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PLACEMENT DIVISION



The final year students from the department of MECH, MAE, MHT, ECE and EEE have attended the **Placement Drive** conducted by **JN Machineries Pvt. Ltd**, Chennai at the College Premises on 15th February 2023.

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FEMLOGIC Technologies

Femlogic Technologies

PLACEMENT DRIVE

DATE: 1.2.2023 DESIGNATION: DESIGN ENGINEER PACKAGE: 2.5-3 LPA VENUE: COMPANY PREMISES



The final year students, department of Civil Engineering have attended an **Interview** scheduled by **Femlogic Technologies**, Chennai for the post of CAD Design Engineer at the Company Premises on 15th February 2023

STUDENT ACHIEVEMENT



Kalaiarasan. P, James Santhosh and Anand Raj, III year students, Department of Mechatronics Engineering have won the **Level-2 Monthly Challenge of AU-TNSDC-Autodesk Fusion 360 Mega Challenge 2022** organised by Centre for Excellence in Automobile Technology (CEAT), Madras Institute of Technology (MIT), Chennai as a part of Naan Mudhalvan Upskilling Platform.

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STUDENT ACHIEVEMENT

Dear Sir,

We are pleased to inform you that the following 8 Batches from AGNITE departments are the shortlist of JURY ROUND in Aegis Graham Bell Awards.

Sl. No.	Batch	Topic	Team Lead	Topic
1	2024MEET	312820015002 AMEED NAZHURUDEEN	ameedna77@gmail.com	Marine robotics - Underwater remotely operated vehicle
2	2023MEET	312819150104 GOKUL K	gokul2001@gmail.com	Electric vehicle concept
3	2023MEET	312821115003 D Hari prasanth	hprasanth@act.edu.in	Identify the polluted areas in the atmosphere and to purify with the air purifier
4	2023ET	31281928054 Raghav S	raghavs01act@gmail.com	Programming simulation on various disaster situations
5	2023EEE	312819364004 GOKUL U	gokul19362@gmail.com	Boosting Agricultural Products using Electricity

Stage 1: SHORTLISTING ROUND: The panel comprising of experts, from academic and business background, narrowed the field of applicants down to 10 students from among more than 100 participating applicants using predetermined criteria.

Stage 2: JURY ROUND

Students who have been shortlisted at stage 1, are invited to the jury presentation on February 14, 2023. The students would receive a calendar invitation where they could reserve their 20-minute time window.



Three student teams from the Department of Mechatronics Engineering lead by Ameer Nazhurudeen, Gokul. K and D. Hari Prasanth are shortlisted in the **Jury Round** of **Aegis Graham Bell Awards**.

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STUDENT ACHIEVEMENT



Surya, I year student (CME), Department of Science and Humanities has completed the online course on **Python for Beginners – Live Course** offered by Great Learning Academy in the month of January 2023.

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STUDENT ACHIEVEMENT



Ramakrishnan, I year student (CME), Department of Science and Humanities has completed the online course on **Introduction to R** offered by Great Learning Academy in the month of January 2023.

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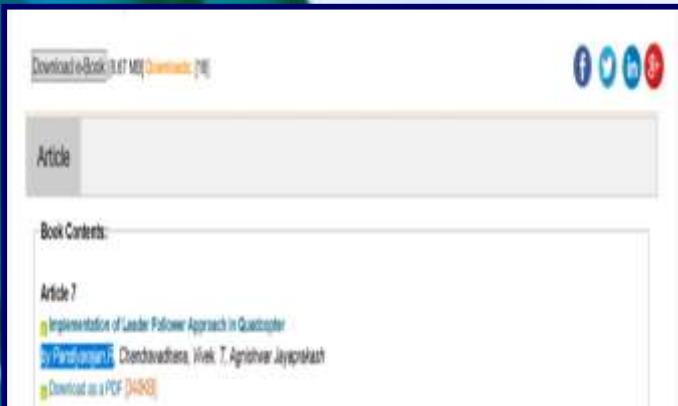
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FACULTY ACHIEVEMENT



Implementation of Leader Follower Approach in Quadcopter

¹Pandiyarajan.R, ²Chandravadhana, ³Vivek. T, ⁴Agnishwar Jayaprakash

^{1,2,3} Department of Mechanical Engineering, Agni College of Technology-OMR, Thalambur, Chennai-600130 Tamilnadu, India.

⁴Garuda Aerospace, OMR Chennai-600130, Tamil Nadu, India.

Email: pandiyarajan8@gmail.com

Abstract

Modern concepts and technology have the potential to address many of the problems we confront on a daily basis and in our professions. In order to demonstrate the advantages of using the control strategy (Leader-Follower) through drones and their comprehensive application-oriented functioning, the project "Implementation of Leader Follower Approach in Quadcopter" has been detailed in this article. Building and using a quadcopter has been shown to be feasible for "Autonomous flight without aid of ground pilot" as the electronic age has progressed. The topic of formation control of numerous quadcopters, which has uses in the entertainment, medical, and defence industries, has been developed in this part. Additionally, "lift-up technologies" utilise it, which today are completed with the assistance of cranes and other tools. Due to the introduction of several cutting-edge technologies, including as GPS, Bluetooth, and other new-age sensors, the design of drones is much more trustworthy and amazing by incorporating both

The faculty members from the department of Mechatronics Engineering, Dr.R. Pandiyarajan, Head and Mr. Vivek. T, Assistant Professor in collaboration with Garuda Aerospace, Mr. Agnishwar Jayaprakash, Founder & CEO, and Vice Chairman and Dr. S. Chandravadhana, Prof and Dean have published an article in the **Proceedings of First International Conference on Smart Systems and Green Energy Technologies** by River Publishers, a Scopus indexed publication in the month of February 2023.

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TRAINING



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DEPARTMENT OF MECHATRONICS ENGINEERING

Organizes

TWO DAYS HANDS ON TRAINING

INDUSTRIAL ROBOTICS

Registration Link:
<https://bit.ly/3JJ573R>

Coordinator
Mr. T. Vivek
Assistant Professor
Dept. of Mechatronics
Contact: +91 90800 01756
Email: vivek.mtr@act.edu.in

Organizing Secretary
Dr. R. Pandiyarajan
Head of the Department
Department of Mechatronics

Principal
Dr. Srinivasan Alavandar
Agni College Of Technology

Course Content:
1. Fundamentals of Robotics
2. RoboDK Simulation
3. K-Roset simulation
4. Hands on-Industrial Robot

Training Fee: **Rs.600**

14th, 15th Feb 2023
9:00am - 3:45pm
Smart Room



The Department of Mechatronics Engineering is organizing a two day **Hands-on-Training on Industrial Robotics** during 14th and 15th February 2023 coordinated by Mr. T. Vivek, Assistant Professor and the course contents includes Fundamentals of Robotics, RoboDK Simulation, K-Roset simulation and Hands on-Industrial Robot.

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STUDENT REPOSITORY



Sakshi Rajesh Bhavsar, II year student, Department of Computer Science and Engineering has portayed a **Pen sketch of Leo Mandala** which represent the self boldness to stay strong in a crowd on 6th February 2023.

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