

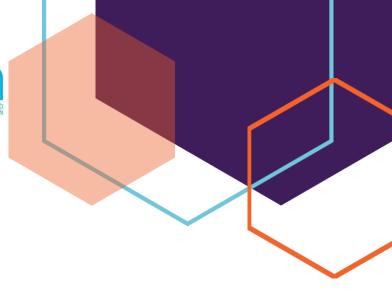
### JEPPIAAR INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)
Self-Belief | Self Discipline | Self Respect

Kunnam, Sunguvarchatram, Sriperumbudur-631604

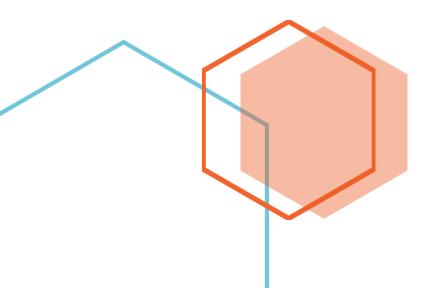






# **DRONE CLUB**

## **DEPARTMENT OF MECHANICAL ENGINEERING**





#### **DEPARTMENT VISION**

To enhance advanced technical education in the field of Mechanical engineering with the view of transformation in societal and industrialized requirements offering a platform for excellence towards mankind.

#### **DEPARTMENT MISSION**

- ❖ To develop quality education with the global need.
- ❖ To provide state of art facilities to faculty members and students to apply their innovative thoughts towards communal development.
- ❖ To facilitate team work culture and promote student community to adapt industrial setup.
- ❖ To develop the research fervour among the students and encourage them to shape inventive ideas.
- ❖ To serve the global community by ethical values and core skills.

#### **Table of Contents**

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DRONE CLUB

#### **OBJECTIVE OF THE CLUB**

The club aims to technically strengthen the students by integrating their skills in the various fields of Engineering & technology, to cope up with the highly competitive environment. The activities of the club include:

- ❖ Develop, improve, and or explore transmission and substation maintenance and operations by developing or improving one or more areas of interest with an using Unmanned Aerial Vehicle (UAV) Drone.
- ❖ Investigate the use of UAVs (Drones) for Transmission Line Inspection & Maintenance.
- ❖ Improve repair times / eliminate the need for helicopter survey.
- Improve Power Outage restoration times, find broken components quickly with better success.

### **PREREQUISITE**

A learner who wants to go ahead with this tutorial needs to have basic concepts on drone and its working principles with Applications in various fields.

#### **STAFF COORDINATORS**

1. Mr.M.Kubendiran, Assistant Professor, Department of Mechanical Engineering.

### **CLUB EVENTS**

### 2023 - 2024

| S.No | Date of The<br>Event           | Event Description  | Number of<br>Participants |
|------|--------------------------------|--|---------------------------|
| 1.   | 16.03.2024<br>to<br>17-03-2024 | Value added Course "MVA001-Small Unmanned Aerial Vehicle (sUAV) - DRONE"  1. Mr.M.Kubendiran | 60                        |

# **GALLERY**







