



**SHRI VILE PARLE KELAVANI MANDAL'S  
INSTITUTE OF TECHNOLOGY, DHULE-424001  
DEPARTMENT OF MECHANICAL ENGINEERING**

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**WORKSHOP REPORT**

**Title of the Program: Aero design and Aerospace modelling**

**Number of Day(s): 01**

**Dates(s) of Conduction: 24<sup>th</sup> Feb. 2019**

**From 10:00 am to 4:30 pm**

**Venue: Class room 109**

**Number of Participants: 68 Male: 60**

**Female: 8**

**Program Objectives:**

The program organised by MESA (Mechanical Engineering Student Association) with an aim to play a pivotal role in the development of students as engineers by various out-of-curriculum and extra-curricular activities. MESA aims to inculcate among its members an awareness and appreciation of the various disciplines of not just Mechanical Engineering but also other relevant fields.

**The objective of workshop are:**

1. Aiming to provide information about the basics of aeroplanes.
2. To encourage students to participate in different competitions with their own tem.
3. How to solve problems which they face during designing air vehicle.
4. Introduction of Software for designing of Air Vehicle.

**Name & Contact Details of the Resource Person(s):**

1. Mr. Rohit Kagane

**Mobile:08329270217**



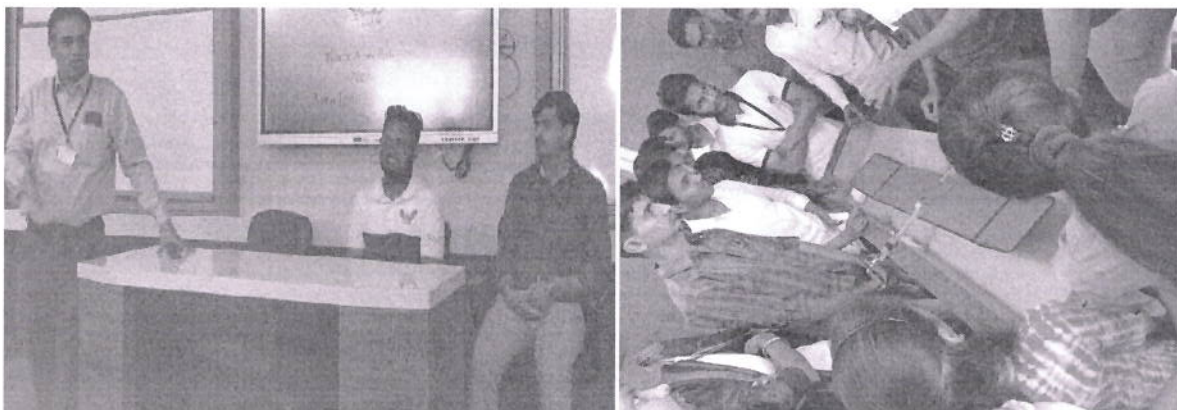
### **Description of the workshop:**

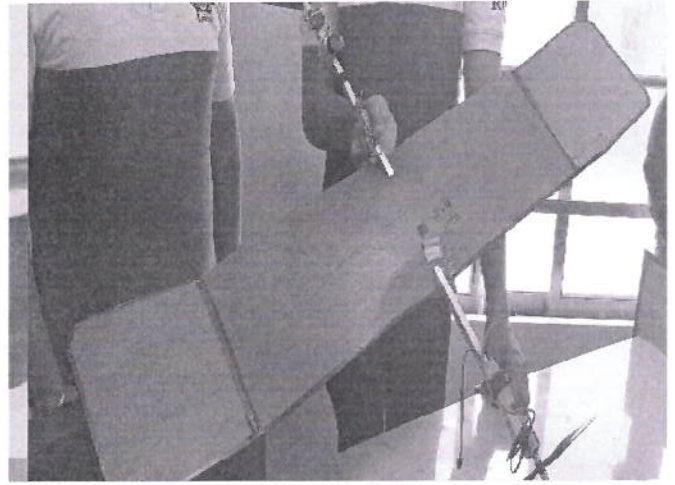
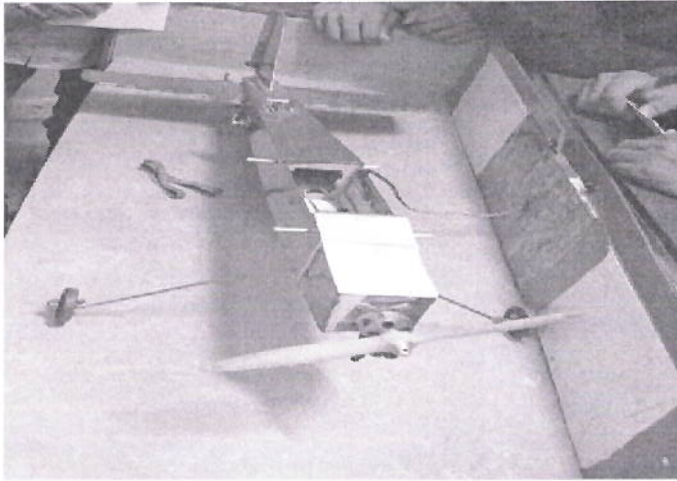
Aero design and aero modelling workshop involves the following points in which introductory session conducted. The activity is planned to support the design and development of small air vehicles. The essential components for the air vehicles

### **The Workshop Includes Following Points:**

- 1. Introduction Of Air Vehicle**
  1. Forces acting on aircraft
  2. Parts of Aircraft
  3. Landing Gear
  4. How to calculate centre of gravity
  
- 2. Design**
  1. Types of wings
  2. Wing Position
  3. Types of landing gear
  4. Types of Radar
  
- 3. Electronics and software**
  1. Motor used for rotar
  2. Introduction of electronic speed control(E.S.C)
  3. Battery(Lion-Polymer)
  4. Receiver
  5. Software
  
- 4. Question And Answer**
  
- 5. Quiz competition**

### **Photographs of the workshop:**





**Mr. Satish. R. Patil**  
Event Coordinator

**Prof. M. Juneduddin**  
Head, Mech. Engg. Department  
**H.O.D. Mechanical Dept.**  
**SVKM's Institute of Technology, Dhule**

**Dr. Nilesh Salunke**  
Principal & Patron  
**Principal**  
**SVKM's Institute of Technology, Dhule**

