



# Indian Institute of Technology Hyderabad

Digital Fabrication, 2023-24

Report On

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## 3D Printing of Drone

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### **Project by: FAB 5**

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### **Instructors:**

Prof. Anil Agrawal

- 1 Selection of Cad Model
  - 1.1 Object Description
  - 1.2 Special Features
  - 1.3 Why was "Drone" selected as Project?
- 2 Making of Drone on Solid Edge
  - 2.1 Parts
  - 2.2 Body
  - 2.3 Projections
  - 2.4 Propeller
  - 2.5 Screws
- 3 Conversion to STL file
- 4 Final result as 3D Printing
  - 4.1 Viewing Features
  - 4.2 inaccuracies
- 5 Observations
  - 5.1 Experience
  - 5.2 Challenges
  - 5.3 Learnings from 3D printing