

## MS 101 Spring 2025 - Project Final Evaluation Marking Scheme

The evaluation of final project in MS 101 (Spring 2025) will be based on individual efforts/contributions in the project specific activities. Marks are allocated as follows:

### Project Final Evaluation (Total: 10 marks)

Each student's hands-on involvement in project activities will be assessed with the following distribution:

	Activity	Marks
1	Drone flying 10s or more (Team)	5.0
2	If not 1, Drone flying less than 10s (Team)	4.0
3	If not 1&2, Drone Assembly + Calibration + No Flying (Team)	3.0
4	If not 1&2&3, Drone Assembly without Calibration (Team)	2.5
5	If not 1&2&3&4, Joystick Assembly and Calibration (Team)	2.0
6	Viva (individual)	3.0
7	Video (Team)	2.0

### 1. Viva (Total: 3 marks) distribution

#### 1A. ME Faculty Evaluation (1.5 mark out of 3 marks): Individual assessment

ME faculty will assess the design, manufacturing and assembly of the remote controller and drone.

#### 1B. EE Faculty Evaluation (1.5 mark out of 3 marks): Individual assessment

EE faculty will assess your involvement in the EE part of the project - Joystick PCB design, Soldering, Calibration and overall understanding of the Drone project (its similarity to EE Expt 5).

### 2. Video marks distribution (Total: 2 marks)

1. **Time Duration (2 minutes):** 0.5 mark
2. **Introduction:** Team introduction and individual contribution – 0.25 mark
3. **Content:** Objective, stage-wise progress, and lesson learned – 1 mark
4. **Team Spirit:** Display of team work and synergy – 0.25 mark