

Revised Syllabus for Semester 1 Exam and Guidelines for Internal Assessment Subject-Robotics & AI

Syllabus for Semester 1 Examination [50 marks]

Class 6

Sl. no.	Topic	Page no.
1.	Section A (complete)	Pages before chapter 1
2.	Section B (excluding port table)	Pages before chapter 1
3.	Section C (Bluetooth connectivity)	Pages before chapter 1
4.	Chapter 1- Lyanna's Light Avoider (building + coding)	Pages 1-6
5.	Chapter 2 - Blake's Basketball Counter (only building)	Pages 7-8

- Building includes only the components being used in the project mentioned on the first page of each chapter.
- Coding includes the understanding of the code blocks being used in the project.

Class 7

Sl. no.	Topic	Page no.
1.	Section A (complete)	Pages before chapter 1
2.	Section B (excluding port table)	Pages before chapter 1
3.	Section C (Bluetooth connectivity)	Pages before chapter 1
4.	Chapter 1- Rishi's RC Car with Indicator (building + coding)	Pages 2-7
5.	Chapter 2 - Aaron's Automatic Street Light (only building)	Pages 8-9

- Building includes only the components being used in the project mentioned on the first page of each chapter.
- Coding includes the understanding of the code blocks being used in the project.

Class 8

Sl. no.	Topic	Page no.
1.	Section A (complete)	Pages before chapter 1
2.	Section B (excluding port table)	Pages before chapter 1
3.	Section C (Bluetooth connectivity)	Pages before chapter 1
4.	Chapter 1- Peter's Parking Assistance (building + coding)	Pages 1-8
5.	Chapter 2 - Sachin's Scrubber with Sprinkler (only building)	Pages 9-10

- Building includes only the components being used in the project mentioned on the first page of each chapter.
- Coding includes the understanding of the code blocks being used in the project.

Internal Assessment Guidelines [30 marks]

Classes 6-8

- There will be no separate practical examination.
- Students will be marked on the basis of their project building during classes out of a total of **30 marks**.
- The syllabus for internal assessment for semester 1 includes the **first two** chapters of classes 6, 7 and 8 (no coding).
- The marks distribution is as following:-
 - Model accuracy - **5 marks**
 - Group participation - **5 marks**
 - Oral questions - **5 marks**
- Each chapter will have a total of **15 marks** of internal assessment based on the above distribution.
- There are in total two chapters each semester for each class i.e. two projects for each class. Therefore total assessment will be of 30 marks (15 marks each).
- Students will be building the projects in groups of 5 according to their roll numbers and will be marked individually as per the marks distribution.
- There will be one internal assessment of 30 marks per semester.