

PADMASHREE KRUTARTHA ACHARYA INSTITUTE OF
ENGINEERING & TECHNOLOGY, BARGARH



PROGRESS REGISTER
Session-2022-2023

Discipline: Mechanical Engg.

Semester: 5th

Subject: Mechatronics (SecA)

Name of the Teaching Faculty: S.S. Bhoir

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ENGINEERING & TECHNOLOGY, BARGARH



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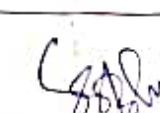
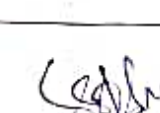
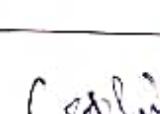

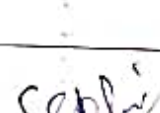
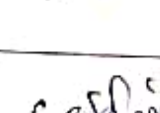
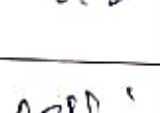
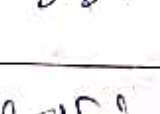
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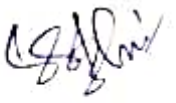
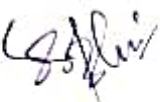
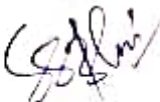

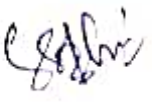

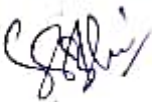

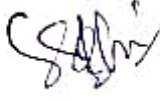

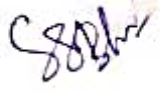
Subject: Mechatronics No. of Days/per week class allotted 04

Semester From Date: 15/09/2022 To Date: 21/01/2023 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
20/9/22	Introduction to mechatronics	Introduction to mechatronics	Introduction	
21/9/22	Application of mechatronics	same	same	
27/9/22	Scope of mechatronics	scope	scope	
28/9/22	Components of mechatronics system	Components	same	
11/10/22	Importance of mechatronics in automation	same	Advantage Disadvantage	
12/10/22	Mechanical Actuators	same	Kinematic link, chain	
18/10/22	Mechanism	mechanism	Slider crank mechanism	
19/10/22	Gear Drive mechanism	same	Spur Gear, Bevel gear	
26/10/22	Belt and belt drive	same	same	
1/11/22	Bearings	Bearings	Bearings	
2/11/22	Introduction to NC machine	Introduction to NC machine	Introduction	

Subject: Mechatronics No. of Days/per week class allotted 04

Semester From Date: 15/09/2022 To Date: 21/01/2023 No. of Weeks: 15

Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (In brief)	Signature of Teacher
9/11/22	CNC machine	CNC machine	CNC machine	
15/11/22	CAD	CAD	CAD	
22/11/22	CAM	CAM	CAM	
29/11/22	Software & Hardware for CAD/CAM	same	same	
29/11/22	Functioning of CAD/CAM system	same	same	
30/11/22	Features and characteristics of CAD/CAM	same	same	
6/12/22	Application of CAD/CAM	same	same	
7/12/22	Elements of CNC machine	same	same	
13/12/22	Machine structure	machine structure	Machine structure	
14/12/22	Guideways/Slideways	same	same	
20/12/22	Factors of design of guideway	same	same	

Subject: Mechatronics No. of Days/per week class allotted 04

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Date	Topics to be covered as per Lesson Plan	Topics actually covered	Points/contents Discussed (in brief)	Signature of Teacher
21/12/22	Spindle drive	spindle drive	spindle drive	<i>[Signature]</i>
27/12/22	Feed drive	Feed drive	Feed drive	<i>[Signature]</i>
28/12/22	Spindle and spindle bearing	same	same	<i>[Signature]</i>
3/1/23	Introduction to Robotics	same	same	<i>[Signature]</i>
4/1/23	Types of industrial robotics	same	same	<i>[Signature]</i>
10/1/23	Robotic system	Robotic system	Robotic system	<i>[Signature]</i>
17/1/23	Advantages and Disadvantages of Robotics	same	same	<i>[Signature]</i>
18/1/23	Overall chapter discussion	Overall chapter discussion	Overall chapter discussion	<i>[Signature]</i>