



SANDIP FOUNDATION'S

SANDIP POLYTECHNIC, NASHIK

DEPARTMENT OF MECHANICAL ENGINEERING

Report on AICTE Sponsored Induction Programme-Phase-1

Title : *Six Days Induction/Orientation Programme for Faculty Members of AICTE Approved Institutions during 02nd and 08th March 2021 on “ADVANCED MECHATRONICS SYSTEM”*

Date : Phase_1- 02nd and 08th March 2021

Participants : Faculty Members of AICTE Approved Institutions

Objectives:

1. To increase the awareness of Mechatronics Field.
2. To know the building blocks of Mechatronics System.
3. To analyze, model and simulate the Mechatronics System.
4. To learn Mechatronics System Design.
5. To be aware of the advances in the field of Mechatronics.
6. To be acquainted with the role of fluid power in Mechatronics.
7. To identify the Role of Industrial Automation in Smart Technology Enabled Manufacturing.
8. To foresee requirements of IoT based Mechatronics System.
9. To study modern Solid Modelling Software's .

1. **Outcomes** : Increased awareness of the Mechatronics Field.
2. Faculties understood the building blocks of Mechatronics System.
3. Analyzed, modeled and simulated the Mechatronics System.
4. Learnt the design Mechatronics System Design.
5. Introduced the advances in the field of Mechatronics.
6. Acquainted with the role of fluid power in Mechatronics.

7. Identified the Role of Industrial Automation in Smart Technology Enabled Manufacturing.

8. 8Visualized requirements of IoT based Mechatronics System

