

Instrumentation and Process Control



Faculty in charge	Prof. A. K. Bandsode
Laboratory Area	120 m ²
Location	C-01/02, First Floor, Chemical Block
Seating Capacity	20
Infrastructure & Facility	<ol style="list-style-type: none">1. 2 Student's Tables2. 2 Faculty Tables3. 20 Stools
List of Equipment Available	<ol style="list-style-type: none">1. Dynamics Of First & Second Order System2. Dynamic Of Interacting Firstorder & Non Interacting Firstorder System.3. Temperature Measurement.4. Temperature Control Trainer.5. Pressure Control Trainer (314 A).6. Mini Compressor7. Compressor (7 Kg/Cm2).8. 03 Computers

<p>List of Experiments Performed</p>	<p>Odd Sem</p> <ol style="list-style-type: none"> 1. Response of First Order System. 2. Response of Second Order System. 3. Response of Single Tank. 4. Response of two tanks non-interacting system. 5. Response of two tanks interacting system. 6. Pressure Control Using ON-OFF Controller 7. Development of empirical model for pressure tank 8. Pressure Control Using Proportional Controller 9. Pressure Control Using PI Controller 10. Pressure Control Using PID Controller <p>Even Sem</p> <p>Desmostration of various concepts in Instrumentation</p>
<p>Total Expenditure</p>	<p>` 3,24,908 Rs.</p>