**Instrumentation and Process Control**

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| **Faculty in charge** | **Prof. D. C. Dengale** |
| **Laboratory Area** |  |
| **Location** | C-01/02, First Floor, Chemical Block |
| **Seating Capacity** | 20 |
| **Infrastructure & Facility** | 1. 2 Student’s Tables 2. 2 Faculty Tables 3. 20 Stools |
| **List of Equipment Available** | 1. Dynamics Of First & Second Order System 2. Dynamic Of Interacting Firstorder & Non Interacting Firstorder System. 3. Temperature Measurement. 4. Temperature Control Trainer. 5. Pressure Control Trainer (314 A). 6. Mini Compressor 7. Compressor (7 Kg/Cm2). 8. 03 Computers |
| **List of Experiments Performed** | **Odd Sem**   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 Cntroller 7. Development of empirical model for pressure tank 8. Pressure Control Using Proportional Cntroller 9. Pressure Control Using PI Cntroller 10. Pressure Control Using PID Cntroller   **Even Sem**  Desmostration of various concepts in Instrumentation |
| **Total Expenditure =** | **` 3,24,908 Rs.** |
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