





Department of Electrical Engineering

Details of Departmental Laboratories

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|-----------------------------------|--|---|-----------------------|
| Lab 01: | Electrical Machine Lab | Lab No: B Ground Floor | Area: 90 sq.m. |
| Lab Incharge: | Dr.S.R.Karpe |  | |
| Laboratory Resources: | 6 sets of DC Machine, 8 Sets of AC Machines, Rectifier, Load Banks | | |
| Utilization of Laboratory: | For conducting practicals of Electrical Machine-1, Electrical Machine-II | | |

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| Lab 02: | High Voltage and Measurement Lab | Lab No: B Ground floor | Area: 90 sq.m. |
| Lab Incharge: | Prof. S.V.Kale |  | |
| Laboratory Resources: | Three phase Energy meter, Current Transformer, Potential Transformer, Rheostat 30Kv AC/40KV DC source With necessary Jigs, Horn Gap Apparatus, Schering bridge Transformer oil kit Tester | | |
| Utilization of Laboratory: | For conducting practicals of Electrical and Electronic Measurement and High Voltage Engineering | | |





CSMSS
Chhatrapati Shahu Maharaj Shikshan Sanstha's
CHH. SHAHU COLLEGE OF ENGINEERING

Kanchanwadi, Paithan Road, Aurangabad, 431 011
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| Lab 03: | Industrial Automation and Microcontroller Lab | Lab No: B216 | Area: 88.99 sq.m. |
| Lab Incharge: | Prof. N. N.Nikam |  | |
| Laboratory Resources: | 2 kits of Microcontroller, 2 kits of Microprocessor, 4 kits Interfacing kits of Microcontroller and Microprocessor, PLC automation trainer kit Siemens 1200, 8 input output trainer kit, Extended IO trainer kit, HMI Trainer kit, Function of OPAM | | |
| Utilization of Laboratory: | For conducting practicals of Industrial Automation and Microcontroller, Analog and Digital Electronics. | | |


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| Lab 04: | Power System & Software Lab | Lab No: B206 | Area: 74.24 sq.m. |
| Lab Incharge: | Prof. A.D.Salpe |  | |
| Laboratory Resources: | NVIS Transmission line kit, Wooden Model for Thermal, Hydro, Nuclear power plant, 14 Computer system, 1 KW Renewable energy system | | |
| Utilization of Laboratory: | For conducting practicals of Power system | | |




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| Lab 05: | Power Electronics & Industrial drives Lab | Lab No: B201 | Area: 88.99 sq.m. |
| Lab Incharge: | Dr Mithun G Aush |  | |
| Laboratory Resources: | Trasformer, Alternator, Motor Protection Kit, Power Electronic Kit | | |
| Utilization of Laboratory: | For conducting practicals Power Electronics and Switchgear | | |

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|-----------------------------------|--|--|-------------------------|
| Lab 06: | Network & Control System Lab | Lab No: B402B | Area: 68.3 sq.m. |
| Lab Incharge: | Prof. S.S.Chandankar |  | |
| Laboratory Resources: | Superposition, Thevin, MPPT Kits, PID Controller, Transfer function of Armature DC servo motor, Time response of Second order system | | |
| Utilization of Laboratory: | For conducting practicals of Electrical Network and Control System Lab | | |