



ELECTRICAL MACHINES LABORATORY

Laboratory Incharge : Mr.G.S.Naganathan Technician : Mr.J.Saravanan





Area of the laboratory: 31.03M×12.11M=375.77Sq.M

Description:

- > Electrical machines laboratory has well furnished by AC and DC power supply.
- > AC power supply given to the induction motors through AC panel board
- 100 Amps, 230 Volt Rectifier unit is used to obtain DC supply which is given to the DC motors Through DC panel board.

- > There are 26 experimental working table are provided in this laboratory.
- This laboratory is covering all the Electrical machines related laboratory courses prescribed by Anna university.
- Each experiments working table having proper protecting devices such as fuse and MCB.
- > If required Suitable starters are provided to protect motor during starting.
- > Major Equipments Cost in Electrical Machines Lab: Rs. 14,77,752.56

The following courses are conducted in this Laboratory for the Academic Year (2016-17)

EE6365Electrical Engineering Laboratory 3^{rd} Semester (Mech)EE6411Electrical Machines Laboratory – I 4^{th} Semester (EEE)EE6512Electrical Machines Laboratory – II 5^{th} Semester (EEE)EE6461Electrical Engineering and control Systems 4^{th} Semester (ECE)EE6811Project work 8^{th} Semester (EEE)

Power Electronics Laboratory

Laboratory Incharge : Dr.S.Aiswariya Technician : Mr.S.Ponpandian

Store Room:





Description:

Area of the laboratory: 13.29M×9.12M=121.88Sq.M

- All the experimental kits and components are stored in the separate store room. having selves and racks
- > There are 9 double sided experiment working table in this laboratory.
- This laboratory is covering the Electronic devices and power electronics related laboratory courses prescribed by Anna University.
- Each experiments working table having proper protecting devices such as fuses and MCBs.
- > Major Equipments Cost in Power Electronics Lab: Rs.16,43,172.35

The following courses are conducted in this Laboratory for the Academic Year (2016-17)

- EC6361 Electronics Laboratory
- EE6611 Power Electronics and Drives Laboratory
- EE6811 Project work

3rd Semester (EEE) 6th Semester (EEE) 8th Semester (EEE)

Instrumentation & Control system Laboratory

Laboratory Incharge : Mr.M.Senthil Kumar Technician : Mr.S.Ponpandian

Store Room:



Area of the laboratory: 13.75M×9.12M=125.40 Sq.M

Description:

- All the experimental kits and components are stored in the separate store room. having selves and racks
- > There are 9 double sided experiment working table in this laboratory.
- This laboratory is covering the Control and Instrumentation, Engineering Practices and Electrical Circuits related laboratory courses prescribed by Anna University.

Each experiments working table having proper protecting devices such as fuse and MCB.

> Major Equipments Cost in Instrumentation & Control Lab: Rs. 7,05,851.22

The following courses are conducted in this Laboratory for the Academic Year (2016-17)

GE6162	Engineering Practice Laboratory
EE6211	Circuit Theory Laboratory
EE6511	Control and Instrumentation Laboratory
EE6811	Project work

Ist Semester (All UG Programmes) 2nd Semester (EEE) 5th Semester (EEE) 8th Semester (EEE)

Computer and Embedded systems Laboratory

Laboratory Incharge : Mr.G.Prabhakar Technician : Mr.Sabapathi





Area of the laboratory: 13.29M×9.14M=155.59 Sq.M

Description:

- > There are 72 systems with 16Mbps internet connections provided in this laboratory.
- > The Lab is completely air -conditioned with 6 ton A/C.
- This laboratory cover Anna university syllabus belongs to the Computer, power system simulation related experiments.
- > Major Equipments Cost in Lab: Rs. 20, 15, 928

Configuration Details: Intel Core **i3** 4130 Processor (4th Generation), Intel H81 Chipset Mother board Integrated Gigabit Ethernet card, 4 GB DDR3 Ram @ 1066 MHz (2 RAM Slots), 500 GB 7,200 RPM HDD, 18.5" Flat Panel Monitor

The following courses are conducted in this Laboratory for the Academic Year (2016-17)

CS6461	Object Oriented Programming Laboratory	4 th Semester (EEE)
EE6711	Power System Simulation Laboratory	7 th Semester (EEE)
EE6811	Project work	8 th Semester (EEE)

Project & Research laboratory:

Laboratory Incharge : Mr.A.Jeya Saravanan Technician : Mr.J.Saravanan

Sample Project

An Intelligent Control of mini Drone



The Mini Drone is done by using wireless communication system. It has design to become an indispensable tool for the military. This project includes a camera and telemetry that will allow watching live video from the mini drone on a laptop that is located up to two miles away. The mini drone is controlled through graphical user interface. All signals from sensors are processed by Arduino Uno microcontroller.

Area of the laboratory: 6.7M×9.12M=61.10 Sq.M

- This Laboratory was established to encourage the students for doing projects and research work.
 This Laboratory contains BLDC Motor, Switched Reluctance Motor, Stepper Motor, Power Quality Analyser for analyzing proto-type experimental models related to Power Electronic Converters
- This Laboratory also used to do proto-type models related to Robotics and Control.
 - Establishing Cost of the Laboratory: Rs.3,00,000.