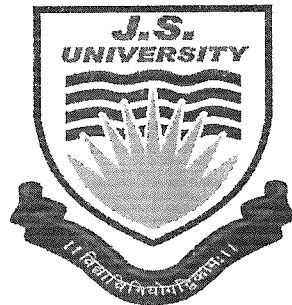


J.S. University, Shikohabad

Established by UP Govt. Act No. 07 of 2015

Recognized by U.G.C. under section 2 (f) of Act-1956




Value Added Course

[VAC-046]

Domestic Wiring Training

Faculty of Engineering

Department of Electrical and Electronics Engineering

	J.S. University, Shikohabad Faculty of Engineering	Value Added Course
		AY: 2019-20

Domestic Wiring Training

[VAC-046]

Learning Objective:

This course will add Domestic Wiring implementation and maintenance skills to the students.


Duration: 30 Hours. (Theory and Practical)

Course Outcomes: -

Maximum Exposure has to be given on Practical Oriented

After completion of the course the student shall be able to:-

1. Energy meter, Distribution board, Wiring for Room, Kitchen, bathroom, balcony, Wiring for Room, Kitchen, bathroom, balcony, Wiring for hall, Stairs
2. Earthing- Introduction, Need, Choosing of right wire, Pipe and plate earthing systems
3. Safety and rules of electricity works, IS-1999 regulations
4. Load Calculations and wiring systems
5. Circuit breakers, Choose the right MCB as per load, Rewirable fuses
6. Electricity fault- Causes, locating faults, basic prevention from the faults

	J.S. University, Shikohabad Faculty of Engineering	Value Added Course
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Syllabus Outline

1. Module-1

House wiring by pvc casing capping including testing and commissioning , house wiring by pvc rigid pipe including testing and commissioning , industrial wiring by ms pipe including testing and commissioning , measurement of earth resistance by earth tester

2. Module-2

Common faults in ac & dc fans , regulators and remedies, trouble shooting of other household appliances (induction heater, electric kettle, mixer / grinder etc.), maintenance of different types of motor wiring , electronic circuit making (led driver making)

3. Module-3

Maintenance of tl, different cfl, led lamps , maintenance of street lighting and flood lighting system (using sodium vapour, metal halide and led lamps), maintenance of storage batteries and condition of cells, maintenance of elevator

4. Module-4

Demonstration of solar based system and maintenance training, maintenance of emergency lighting system (including inverter & ups)

5. Module-5

Wiring installation and maintenance of pump motor, precautions from electric shock and method of shock treatment

References

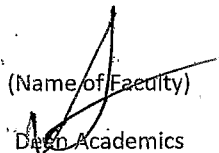
1. Domestic Electrical Wiring: An Introduction to Wiring and Installation Practice by Brian Scaddan
2. Basic Electrical Engineering by D P Kothari and I J Nagrath
3. Electrical Wiring Estimating and Costing by S.L. Uppal
4. Electrical Wiring and Estimating: Residential by David M. Cook
5. Electrical Installation Work by Brian Scaddan



(Name of Faculty)

Course Coordinator

Er. Ravi
Pachoum



(Name of Faculty)

Dean Academics

Dr. Akhilesh



(Name of Faculty)

Director/Principle/Dean of
Faculty/Department

Dr. Adnan
Qasim