



**W M O Arts & Science College, Muttil**  
**DEPARTMENT OF ELECTRONICS**  
**SYLLABUS FOR**  
**HOUSE WIRING TECHNIQUES (30hrs)**

Properties of popular conductors & Insulators.

- Voltage Current Power Energy concepts & relations.
- Basic principles of generation of electricity.
- Various Techniques of electrical energy Generation.
- Measuring Equipment's in the electrical Field in Brief Wireman safety and equipment safety
- Commercial Distribution of electric energy.
- Transformer, Electrical distribution methods brief ideas.
- Types of wiring in brief
- Wires and cables selection in house wiring.
- Load, watts , safety measures
- Simple drawing concepts on house wiring
- Boq preparation
- Main switch boards, sub switch boards ,
- Permissible load, MCB, MCCB ISOLATOR
- Conduits (Open and concealed) , and earthing ; need of earthing
- Earthing techniques and measurements
- Different kind of wiring connections, 1 way 2 way series parallel etc. and testing of wiring.