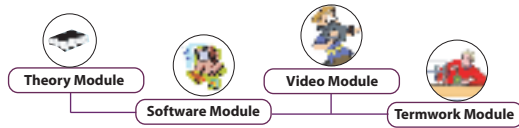


# Repair of Electrical Machines

Introduces Global e-Learning System in Education & Training in the form of Learning Resources with Computer Aided Instructions



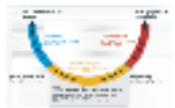
System Requirement:- IBM-PC Compatible with Window-OS, 128 MB RAM/Multimedia Kit

## Theory module

Features : Theory, Figures, Photographs, Animations with controller, Highlighter tool, Note creation facility, Systematic page navigation, Printing facility, Access to Videos at appropriate locations.

## List of Topics

### Introduction to the Maintenance



Role and purpose of maintenance, Routine maintenance, breakdown maintenance, Modern concept of the maintenance, High availability, Administrative shut downs, Hands off maintenance, On condition maintenance, Equipment overhaul, Bath tub curve,

### Basic Aspects of Maintenance planning

Types of planning, strategic maintenance planning, Tactical maintenance planning, Operational maintenance planning, Maintenance planning documentation, The plan package, Critical analysis planning (CAP), Priority control, Financial Monitoring, technical Literature



### Basic Aspects of Maintenance Scheduling



Introduction, basic for preparing the maintenance schedule of electrical Equipment, Scheduling the job/ shop problem. maintenance job expediting.

### Introduction to G.S.F.C.

Power supply to GSFC, Basic features of the power system in GSFC, Steps taken for maintaining and uploading the reliability of the system.



## Maintenance Activities of Switchgear Components and the maintenance



Introduction, Air circuit Breaker, Air break circuit breaker, Construction and operation, Accessory devices, Inspection and maintenance, Air blast circuit breaker, Oil circuit breaker, Isolating switches, Reactors, Fuses, Contactors and magnetic starters, Arching faults in switch board,

## Maintenance Activities of the Transformer and the maintenance

Basic part of a transformer, Inspection and Maintenance of a transformer, Silica gel Breather, Thermometer, Buchholz Relay, magnetic oil level gauge, radiator assembly, Winding temperature Indicator, Insulation, transformer oil purification, Transformer maintenance in GSFC.



## Maintenance Activities of Motor & Common Troubles found in Motor



Construction, Criteria for planning the motor maintenance, Routine Maintenance of motors, On line condition monitoring, Motor overhaul, Motor test/ measurements, Common troubles.

## Maintenance of the battery

General instruction, Float Services, Maintenance Equipment, precaution, Safety, Battery Defects, Weak Calls.



## High Lights of maintenance management



Introduction, Organization, management Philosophy, technical Support .