Name of the Faculty

Discipline ELECTRICAL ENGG.

Semester 4TH

Subject IMEE

Lesson Plan Duration 15 weeks

Week	Day	Theory Topic/ Assignment/ Test
1st	1	discussion of learning outcomes
	2	Unit-1 Tools and accessories introduction Tools required for maintenance and repair work
	3	IER rules
	4	Safety codes ,accidents and its causes. Artificial respiration.
2nd	1	Unit 2- Installation of transmission and distribution lines.
	2	Erection of steel structures, jumpers tee off points and dead ends.
	3	Crossing of roads, streets, power/telecommunication lines, railway line crossings.
	4	Earthing of transmission lines and guarding, spacing of conductors.
3rd	1	Suspension and strain insulators, birds guards. Anticlimbing devices.
	2	Danger plates etc.
	3	Laying of service lines, earthing provision of service lines, installation of energy meters.
	4	Laying of underground cable, transportation and handling of cables
4th	1	Laying of cable methods.
	2	Laying of cables.
	3	Laying of cables cont.
	4	Revision/problem solution.
5th	1	Handling of transformer.
	2	Substation and its types.
	3	Above will continue.
	4	Testing of electrical motors.
6th	1	Revision/Problem solution
	2	Motor control centres, power control centres.
	3	Lighting arrangements., pre installation checks drying out.
	4	Any left out topic/students problem discussion
7th	1	Class test
	2	Evaluation and display of marks.
	3	Unit 3 introduction of maintenance
	4	Authorized person, danger notice and caution notice.
8th	1	Permit to work.
	2	Temporary earthing cancellation of permit to work.
	3	Patrolling and inspection of lines.
	4	Special and night inspections.
9th	1	Fault location using meggar.
	2	Fuses on service lines, dim and flickering lights.
	3	Revision of above.
	4	Class Test/Assignment
	1	Evaluation and Display of marks.

10th	2	Maintenance of distribution of transformers
	3	Checking of insulation resistance, BDV oil test.
	4	Grid substations, busbars.HT/LT.
11th	1	Power transformers.
	2	Students any problem.
	3	Any other left out topics
	4	Sub station visit. Tentative class/ sessional test -2
12th	1	Evaluation/display of marks.
	2	Over hauling of motors. Preventive maintenance.
	3	Trouble shooting of electric motors.
	4	Domestic installation introduction.
13th	1	Testing of electrical installation.
	2	Testing of electrical insulation to earth.
	3	Testing of insulation and resistance between conductors.
	4	Continuity or open circuit test.
14th	1	Any left topic.
	2	Students problem solution.
	3	Home assignment copy checking.
	4	Home assignment copy checking.
15th	1	Class/sessional 3
	2	Evaluation and display of marks.
	3	Students problem discussion/previous hsbte paper discussion.
	4	Revision/Problem solution