



Orissa School of Mining Engineering Keonjhar

Department of Electrical Engineering

Lesson Plan (

VISION OF OUR DEPARTMENT:

provide excellent knowledge and enrich the problem solving skills of the students in the field of Electrical Engineering with a focus to prepare the students for industry need, recognized as innovative leader, responsible citizen and improve the environment.

MISSION OF OUR DEPARTMENT:

1. Prepare the students with strong fundamental concepts, analytical capability, and problem solving skills. Create an ambience of education through faculty training, self-learning, sound academic practices and research endeavors.
2. Provide opportunities to promote organizational and leadership skills in students through various extra- curricular and co-curricular events.
3. To make the students as far as possible industry ready to enhance their employability in the industries.
4. To improve department industry collaboration and to maintain effective operational environment.

Program Educational Objectives

The Program Educational Objectives (PEOs) of the Electrical Engineering Department are given below:

1. PEO1- To engage in Design of Systems, tools and applications in the field of electrical Engineering and allied engineering Industries.
2. PEO2- To apply the knowledge of electrical engineering to solve problems of social relevance and/or pursue higher education
3. PEO3- To work effectively as individuals and as team members in multidisciplinary projects by exhibit leadership capability, triggering social and economic commitment and inculcate community services and protect environment
4. PEO4- Engage in lifelong learning, career enhancement and adapt to changing professional and societal needs.



DEPARTMENT OF ELECTRICAL ENGINEERING
ORISSA SCHOOL OF MINING ENGINEERING KEONJHAR
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LESSON PLAN

Discipline- ELECTRICAL ENGINEERING	Semester- 4th	Name of the Teaching faculty- ER. SHRADHA PATRA		
Practical- ELECTRICAL DRAWING Practical Code- Pr4	No. of days/week lab allotted-02	Semester From Date: 14/02/2023 To Date: 23/05/2023 Number of weeks- 15		
MONTH	WEEK	NO. OF PERIODS AVAILABL E	CLASS DAY	DRAWINGS TO BE CONDUCTED
FEBRUARY	1st	3	15/02/2023	WIRING DIAGRAM AND CONTROL CIRCUIT- 3 point D. C. motor starter.
		3	16/02/2023	4 point D.C. motor starter.
	2nd	3	22/02/2023	DOL starter
		3	23/02/2023	Star delta starter.
MARCH	3rd	3	01/03/2023	Auto Transformer Starter.
		3	02/03/2023	Rotor resistance starter
	4th	3	09/03/2023	DRAW D.C. M/C PARTS (Dimensional Drawing) Pole with pole shoes.
		3	15/03/2023	Commutator
	5th	3	16/03/2023	Armature
		3	22/03/2023	DC. armature winding- 1) Simple lap winding
	6th	3	23/03/2023	DC. armature winding- 1) Simple wave winding
		3	29/03/2023	DRAW 1-PHASE & 3-PHASE TRANSFORMER (Assembly Drawing) 1) Stepped core type.
APRIL	8th	3	05/04/2023	2) Plane shell type
		3	06/04/2023	DRAW SKETCHES OF THE FOLLOWING AS PER B.I.S AND REC SPECIFICATIONS 1) Earthing installation.
	9th	3	12/04/2023	2) Double pole structure for LT and HT distribution lines

		3	13/04/2023	Single line diagram of 33/11kV distribution substation.
	10th	3	19/04/2023	Single line diagram of a 11/0.4 kV distribution substation.
		3	20/04/2023	Draw Electrical symbols using AUTOCAD
	11th	3	26/04/2023	Draw Electrical symbols using AUTOCAD
		3	27/04/2023	Draw D.C. m/c parts using AUTOCAD
MAY	12th	3	03/05/2023	Draw D.C. m/c parts using AUTOCAD
		3	04/05/2023	Draw A.C. m/c parts using AUTOCAD
	13th	3	10/05/2023	Draw A.C. m/c parts using AUTOCAD
		3	11/05/2023	Draw electrical layout of diagram of Electrical Installation of abuilding using AUTOCAD
	14th	3	17/05/2023	Draw electrical layout of diagram of Electrical Installation of abuilding using AUTOCAD
		3	18/05/2023	SESSIONAL

Total Class - 78 out of 90

Shradha
10/02/2023

PREPARED BY
SHRADHA PATRA
PTGF ELECTRICAL DEPT
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10/2/23

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