

DISCIPLINE		SEMESTER	NAME OF THE TEACHING FACULTY	
ELECTRICAL		6TH	MISS.SINDHUJA PANIGRAHI(GF)	
SUBJECT:ELECTRICAL WORKSHOP PRACTICE		NO. OF DAYS PER WEEK CLASS ALLOTTED : 06	SEMESTER FROM 04/02/2025 TO 17/05/2025	
			NO. OF WEEKS : 15 NOS.	
WEEKS	CLASS DAYS	PRACTICAL TOPICS		
1ST WEEK	1ST	Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminum PVC, VIR & Weather proof (WP) wire		
	2ND	Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminum PVC, VIR & Weather proof (WP) wire		
	3RD	Identification of single core (SC), twin core (TC), three cores (3c), four cores (4c); copper and aluminum PVC, VIR & Weather proof (WP) wire		
	4TH	Preparation of Britannia T- joint		
	5TH	Preparation of Britannia T- joint		
	6TH	Preparation of Britannia T- joint		
2ND WEEK	1ST	Preparation of Britannia T- joint with record check and rubrics		
	2ND	Preparation of Britannia T- joint with record check and rubrics		
	3RD	Preparation of Britannia T- joint with record check and rubrics		
	4TH	Preparation of Married joint		
	5TH	Preparation of Married joint		
	6TH	Preparation of Married joint		
3RD WEEK	1ST	Preparation of Married joint with record check and rubrics		
	2ND	Preparation of Married joint with record check and rubrics		
	3RD	Preparation of Married joint with record check and rubrics		
	4TH	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section.		
	5TH	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section.		
	6TH	Cutting copper and aluminum cable and crimping lug to them from 2.5mm ² to 6 mm ² cross section.		
4TH WEEK	1ST	Connection and testing of fluorescent tube light, with record check and rubrics		
	2ND	Connection and testing of fluorescent tube light, with record check and rubrics		
	3RD	Connection and testing of fluorescent tube light, with record check and rubrics		
	4TH	Connection and testing of High pressure M.V. lamp, with record check and rubrics		
	5TH	Connection and testing of High pressure M.V. lamp, with record check and rubrics		
	6TH	Connection and testing of High pressure M.V. lamp, with record check and rubrics		
5TH WEEK	1ST	Connection and testing of Sodium vapor lamp		
	2ND	Connection and testing of Sodium vapor lamp		
	3RD	Connection and testing of Sodium vapor lamp		
	4TH	Connection and testing of M.H lamp,with record check and rubrics		
	5TH	Connection and testing of M.H lamp,with record check and rubrics		
	6TH	Connection and testing of M.H lamp,with record check and rubrics		
	1ST	Connection and testing of CFL and latest model lamps ,with record check and rubrics		
	2ND	Connection and testing of CFL and latest model lamps ,with record check and rubrics		

6TH WEEK	3RD	Connection and testing of CFL and latest model lamps,with record check and rubrics
	4TH	Study battery charger and make charging of lead acid battery
	5TH	Study battery charger and make charging of lead acid battery
	6TH	Study battery charger and make charging of lead acid battery
7TH WEEK	1ST	Study battery charger and make charging of lead acid battery ,with record check and rubrics
	2ND	Study battery charger and make charging of lead acid battery,with record check and rubrics
	3RD	Study battery charger and make charging of lead acid battery ,with record check and rubrics
	4TH	Erection of residential building wiring by CTS and conduit wiring system using main two points and test installation by test lamp method and a meggar
	5TH	Erection of residential building wiring by CTS and conduit wiring system using main two points and test installation by test lamp method and a meggar
	6TH	Erection of residential building wiring by CTS and conduit wiring system using main two points and test installation by test lamp method and a meggar
8TH WEEK	1ST	Erection of residential building wiring by CTS & conduit wiring system using main two points and test installation by test lamp method and a meggar,with record check and rubrics
	2ND	Erection of residential building wiring by CTS & conduit wiring system using main two points and test installation by test lamp method and a meggar,with record check and rubrics
	3RD	Erection of residential building wiring by CTS & conduit wiring system using main two points and test installation by test lamp method and a meggar,with record check and rubrics
	4TH	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts
	5TH	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts
	6TH	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts
9TH WEEK	1ST	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts,with record check and rubrics
	2ND	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts,with record check and rubrics
	3RD	Fault finding & repairing of Ceiling Fan – prepare an inventory list of parts,with record check and rubrics
	4TH	Find out fault of D.C. generator, repair and test it to run
	5TH	Find out fault of D.C. generator, repair and test it to run
	6TH	Find out fault of D.C. generator, repair and test it to run
10TH WEEK	1ST	Find out fault of D.C. generator, repair and test it to run,with record check and rubrics
	2ND	Find out fault of D.C. generator, repair and test it to run,with record check and rubrics
	3RD	Find out fault of D.C. generator, repair and test it to run,with record check and rubrics
	4TH	Find out fault of D.C. motor starters – prepare an inventory list of parts used in different starters
	5TH	Find out fault of D.C. motor starters – prepare an inventory list of parts used in different starters
	6TH	Find out fault of D.C. motor starters – prepare an inventory list of parts used in different starters.
	1ST	Find out fault of D.C. motor starters – prepare an inventory list of parts used in different starters,with record check and rubrics

11TH WEEK	2ND	Find out fault of D.C. motor starters – prepare an inventory list of parts used in different starters, with record check and rubrics
	3RD	Find out fault of D.C. motor starters – prepare an inventory list of parts used in different starters, with record check and rubrics
	4TH	Find out fault of A.C motor starter – prepare an inventory list of parts used in different starters
	5TH	Find out fault of A.C motor starter – prepare an inventory list of parts used in different starters
	6TH	Find out fault of A.C motor starter – prepare an inventory list of parts used in different starters
12TH WEEK	1ST	Find out fault of A.C motor starter – prepare an inventory list of parts used in different starters, with record check and rubrics
	2ND	Find out fault of A.C motor starter – prepare an inventory list of parts used in different starters, with record check and rubrics
	3RD	Find out fault of A.C motor starter – prepare an inventory list of parts used in different starters, with record check and rubrics
	4TH	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	5TH	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
	6TH	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list.
13TH WEEK	1ST	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list, with record check and rubrics
	2ND	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list, with record check and rubrics
	3RD	Dismantle, over haul and assemble a single phase induction motor. Test and run it. – prepare an inventory list, with record check and rubrics
	4TH	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them
	5TH	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them
	6TH	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them
14TH WEEK	1ST	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them, with record check and rubrics
	2ND	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them, with record check and rubrics
	3RD	Dismantle over haul and assemble a three phase squirrel cage and phase wound motor. Test and run them, with record check and rubrics
	4TH	Overhaul a single phase variac
	5TH	Overhaul a single phase variac
	6TH	Overhaul a single phase variac
15TH WEEK	1ST	Overhaul a single phase variac, with record check and rubrics
	2ND	Overhaul a single phase variac, with record check and rubrics
	3RD	Overhaul a single phase variac, with record check and rubrics
	4TH	Overhaul a 3-phase variac.
	5TH	Overhaul a 3-phase variac.
	6TH	Overhaul a 3-phase variac, with record check and rubrics

From
10/02/25
(GF, ELECT)

Shr
04/02/2025
HOD (ELECTRICAL)
GOVT. POLY.
GAJAPATI