SAMRAT ASHOK TECHNOLOGICAL INSTITUTE VIDISHA (M.P.)

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV Bhopal)

Scheme of Examination (Semester-VI)

for Batch Admitted in session - 2023-24

Bachelor of Technology (B. Tech.) – Electrical Engineering

Subject Code	Subject Category	Subject Name	Maximum Marks Allotted								Contact Hrs.			Total Credits
			Theory				Practical			Total Marks				
			ES	MS	Assign ment	Quiz	ES	LW	Quiz		L	T	P	
EE-601	DC	Electrical Drives	60	20	10	10	30	10	10	150	3	-	2	4
EE-602	DC	Power System Analysis & Control	60	20	10	10	30	10	10	150	3	-	2	4
EE-603	DC	PLC and Automation	60	20	10	10	-	-	-	100	3	1	-	4
EE- 604	DC	Power Quality	60	20	10	10	-	-	-	100	3	1	-	4
OE-605	OE	OE-II	60	20	10	10	-	-	-	100	3	-	-	3
EE-606	DL	Minor Project	-	-	-	-	60	30	10	100	-	-	4	2
EE-607	DL	Lab-Electrical Simulation					30	10	10	50	-	-	2	1
Total			**300**	**100**	**50**	**50**	**150**	**60**	**40**	**750**	**15**	**2**	**10**	**22**

Internship-III (120 Hrs) External /Institute Level

	ILC	Extracurricular Activities	It is a one credit per year activity to be endorsed in eight semester marksheet											
EE-605	OE- II	1. SCADA & PLC applications 2. Energy audit & management	60	20	10	10	-	-	-	100	3	-	-	**3**

Abbreviations: ES -End Semester, MS- Mid Semester, LW- Laboratory Work/Assignment. (L: Lecture, T: Tutorial, P: Practical)
BSC- Basic Science Course, ESC- Engineering Science Course, HSMC- Humanities Science and Management Course, MAC- Mandatory, Audit Course, AC- Audit Course, HEC- Holistic Education Courses: NSS/NCC/NSO, ITC- Information Technology Course, ILC-Institute Level Course, DC- Department Course, DE-Department Elective, OC- Open Course, DLC- Department Laboratory, PROJ- Project Work, VA-Value Added Course

List of Courses for Honors Degree (MOOCs)												Credits
***NPTEL Session Jan-Feb, Minimum 5 Credits to be earn (Except the subjects which are in the scheme)**												***5**
The MOS Transistor Modeling												
EV - Vehicle Dynamics and Electric Motor Drives												
Design of Power Electronic Converters												
Circuit Analysis for Analog Designers												
Facts Devices												
Intelligent Control of Robotic Systems												
A Brief introduction of Micro - Sensors												
Deep Learning												
List of Courses for Minor Degree (MOOCs) ****NPTEL Session Jan-Feb, Minimum 5 Credits to be earn from Electrical Domain**												**Credits**
Fundamentals of Semiconductor Devices												****5**
Fundamental of Power Electronics												
Analog Circuits												
Introduction to Electrical Engineering												
Microprocessors and Interfacing												
Digital Electronic Circuits												
Network Analysis												
Operation and Planning of Power Distribution Systems Power Quality												
Measurement and Instrumentation												

Total 20 credits required for Honors / Minor degree

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