

Gautam Buddha University
School of Engineering
Department of Electrical Engineering
Course structure of B.Tech. (Continuing Education/Evening) Electrical Engineering

I Semester


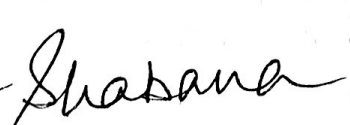


S. No.	Course Title	Credits			Total
		L	T	P	
01	Engineering Mathematics-I	3	-	-	3
02	Electrical Technology	3	-	-	3
03	Engineering Physics	3	-	-	3
05	Engineering Workshop	3	-	-	3
06	Electrical Technology Lab	-	-	3	3
07	Environmental Science	4	-	-	4
				Total	19

II Semester

S.No.	Course Title	Credits			Total
		L	T	P	
01	Engineering Mathematics-II	3	-	-	3
02	Electrical Machines-I	3	-	-	3
03	Engineering Chemistry		-	3	3
04	Introduction to Computer Programming	3			3
05	Basic Electronics	3			3
06	Electrical Machines I Lab	-	-	3	3
				Total	18

III Semester

S.No.	Course Title	Credits			Total
		L	T	P	
01	Electronic Devices and Circuits (EDC)	3	-	-	3
02	Measurements & Instrumentation	3	-	-	3
03	Electrical Machines-II	3	-	-	3
04	Electrical Engineering Materials	3	-	-	3
05	Measurement & Instrumentation Lab	-	-	3	3
06	Electrical Machines-II Lab	-	-	3	3
				Total	18

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IV Semester

S.No.	Course Title	Credits			Total
		L	T	P	
01	Circuit Theory	3	-	-	3
02	Electromagnetic Field Theory	3	-	-	3
03	Control Systems I	3	-	-	3
04	Communication Systems	3	-	-	3
05	Control Systems Lab I	-	-	3	3
06	Circuit Theory Lab	-	-	3	3
				Total	18

V Semester

S.No.	Course Title	Credits			Total
		L	T	P	
01	Digital Electronics	3	-	-	3
02	Signals and Systems	3	-	-	3
03	Non-Conventional Energy Sources	3	-	-	3
04	Transmission and Distribution of Electric Power	3	-	-	3
05	MATLAB Programming Lab	-	-	3	3
06	Digital Electronics Lab	-	-	3	3
				Total	18

VI Semester

S.No.	Course Title	Credits			Total
		L	T	P	
01	Power System-I	3	-	-	3
02	Power Electronics and Drives	3	-	-	3
03	Micro Processor and Micro Controller	3	-	-	3
04	Power System Lab	-	-	3	3
05	Power Electronics and Drives Lab	-	-	3	3
06	Micro Processor and Micro Controller Lab	-	-	3	3
				Total	18

V. Singh *Shabana*

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VII Semester

S.No.	Course Title	Credits			Total
		L	T	P	
01	Introduction to Neural Networks, AI and Neural Networks	3	-	-	3
02	Power System-II	3	-	-	3
03	Switch Gear and Protection	3	-	-	3
04	Elective I	3	-	-	3
05	Switch Gear and Protection Lab	-	-	3	3
06	Advance Power Electronics Lab	-	-	3	3
				Total	18

VIII Semester

S. No.	Course Title	Credits			Total
		L	T	P	
01	Process Modelling and Control	3	-	-	3
02	Power Station Practice	3	-	-	3
03	Power System Planning and Reliability	3	-	-	3
04	Traction & Utilization of Electrical Energy	3	-	-	3
05	Elective-II	3	-	-	3
06	Project	8	-	-	8
				Total	23

TOTAL CREDITS: 150

Electives of B. Tech. Regular courses will be implemented.

Vsingh *Dr. Shabana*