

KADI SARVA VISHWAVIDYALAYA, GANDHINAGAR

Bachelor of Engineering Electrical Semester 3 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC-301A	Differential Equations And Integral transform	3	2	0	5	5	3	70	30	20	0	120
EE-302	Circuit Theory	4	0	2	6	5	3	70	30	20	30	150
EE-303	Electrical Measurement and Measuring Instruments	3	0	2	5	4	3	70	30	20	30	150
EE-304	Electrical Machines-I	4	0	2	6	5	3	70	30	20	30	150
EE-305	Electronics Devices and Circuits	4	0	2	6	5	3	70	30	20	30	150
EE-306	Electrical and Electronics workshop	0	0	2	2	1	0	0	0	20	30	50
Total		18	2	10	30	25	15	350	150	120	150	770

Bachelor of Engineering Electrical Semester 4 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC-401A	Complex Analysis and Numerical Analysis	3	2	0	5	5	3	70	30	20	0	120
EE-402	Control System	4	0	2	6	5	3	70	30	20	30	150
EE-403	Electrical Machines-II	3+1*	0	2	6	4	3	70	30	20	30	150
EE-404	Analog Electronics	3	0	0	3	3	3	70	30	20	0	120
EE-405	Digital Electronics	3	0	0	3	3	3	70	30	20	0	120
EE-406	Electrical Power - I	3	0	0	3	3	3	70	30	20	0	120
EE-407	Analog and Digital Electronics lab	0	0	2	2	1	0	0	0	20	30	50
EE-408	Simulation laboratory	0	0	2	2	1	0	0	0	20	30	50
Total		19	2	8	30	25	18	420	180	160	120	880

Bachelor of Engineering Electrical Semester 5 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
EE-501	Electrical Power - II	4	0	0	4	4	3	70	30	20	0	120
EE-502	Engineering Electromagnetics	4	2	0	6	6	3	70	30	20	0	120
EE-503	Microprocessor and Interfacing	4	0	2	6	5	3	70	30	20	30	150
EE-504	Power Electronics	4	0	2	6	5	3	70	30	20	30	150
EE-505	Element of Electrical Design and Costing	3	0	2	5	4	3	70	30	20	30	150
EE-506	Signals & Systems	3	0	0	3	3	3	70	30	20	0	120
Total		22	2	6	30	27	18	420	180	120	90	810

Bachelor of Engineering Electrical Semester 6 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
CC-601	Principles of Management	2	0	0	2	2	3	70	30	20	0	120
EE-601	Switchgear	3	0	0	3	3	3	70	30	20	0	120
EE-602	Electrical Machine-III	4	0	2	6	5	3	70	30	20	30	150
EE-603	Microcontrollers and their Applications.	4	0	2	6	5	3	70	30	20	30	150
EE-604	High Voltage Engineering	4	0	2	6	5	3	70	30	20	30	150
EE-605	Industrial Instrumentation	3	0	2	5	4	3	70	30	20	30	150
EE-606	Power System Simulation laboratory	0	0	2	2	1	0	0	0	20	30	50
Total		20	0	10	30	25	18	420	180	140	150	890

Bachelor of Engineering Electrical Semester 7 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
EE-701	Interconnected Power System	4	0	2	6	5	3	70	30	20	30	150
EE-702	Electrical Machine Design-I	3	0	2	5	4	3	70	30	20	30	150
EE-703	Power System Protection	3	0	2	5	4	3	70	30	20	30	150
EE-704	Electrical Power Utilization & Traction	3	0	0	3	3	3	70	30	20	-	120
EE-705	Department Elective-I	4	0	2	6	5	3	70	30	20	30	150
EE-706	Project-I	0	0	6	6	3	-	-	-	50	100	150
Total		17	0	14	31	24	15	350	150	150	220	870
Department Elective-I												
EE-705A	Advanced Power Electronics-I											
EE-705B	Advanced Power System-I											

Bachelor of Engineering Electrical Semester 8 Syllabus

Subject Code	Subject Name	Teaching Scheme				Total Credit	Evaluation Scheme					Total Marks
		L (Hrs)	T (Hrs)	P (Hrs)	TOTAL Hrs		Theory Hrs	Marks	IE Marks	CIA Marks	Practical / Viva Marks	
EE-801	Commissioning of Electrical Equipment	3	0	2	5	4	3	70	30	20	30	150
EE-802	Electrical Machine Design-II	3	0	2	5	4	3	70	30	20	30	150
EE-803	Power system Practice and Design	3	0	2	5	4	3	70	30	20	30	150
EE-804	Renewable Energy Technology	3	0	0	3	3	3	70	30	20	0	120
EE-805	Department Elective-II	4	0	2	6	5	3	70	30	20	30	150
EE-806	Project-II	0	0	8	8	4	-	-	-	50	100	150
Total		16	0	16	32	24	15	350	150	150	220	870
Department Elective-II												
EE-805A	Advanced Power Electronics-II											
EE-805B	Advanced Power System-II											