



BIKANER TECHNICAL UNIVERSITY, BIKANER
Scheme & Syllabus
IV Year- VII & VIII Semester: B. Tech. (Electrical Engineering)

Teaching & Examination Scheme
B. Tech.: Electrical Engineering
4th Year - VII Semester

SN	Course Type	Course		Hours per Week			Marks				Cr
		Code	Name	L	T	P	Exm Hrs	IA	ETE	Total	
1	PEC	7EE5-11	Wind and Solar Energy Sys-tems.	3	0	0	3	30	120	150	3
2		7EE5-12	Power Quality and FACTS								
3		7EE5-13	Control System Design.								
4	OE		Open Elective-I	3	0	0	3	30	120	150	3
	SUB TOTAL			6	0	0		60	240	300	6
PRACTICAL & SESSIONAL											
5	PCC	7EE4-21	Embedded Systems Lab	0	0	4	2	60	40	100	2
6	PCC	7EE4-22	Advance control system lab	0	0	4	2	60	40	100	2
7	PSIT	7EE7-30	Industrial Training	1	0	0		75	50	125	2.5
8		7EE7-40	Seminar	2	0	0		60	40	100	2
9	SODE-CA	7EE8-00	Social Outreach, Discipline & Extra Curricular Activities	0	0	0		0	25	25	0.5
			SUB TOTAL	3	0	8		255	195	450	6
			TOTAL OF VII SEMESTER	9	0	8		315	435	750	15

L: Lecture, **T:** Tutorial, **P:** Practical, **Cr:** Credits

ETE: End Term Exam, **IA:** Internal Assessment



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THEORY											
SN	Course Type	Course		Hours per Week			Marks				Cr
		Course Code	Course Name	L	T	P	Exm Hrs	IA	ETE	Total	
1	PEC	8EE4-11	HVDC Transmission System.	3	0	0	3	30	120	150	3
2		8EE4-12	Line Commutated and active rectifiers.								
3		8EE4-13	Advanced Electric Drives.								
4	OE		Open Elective-II	3	0	0	3	30	120	150	3
				6	0	0		60	240	300	6
PRACTICAL & SESSIONAL											
			SUB TOTAL	6	0	0		60	240	300	6
5	PCC	8EE4-21	Energy Systems Lab	0	0	4	3	60	40	100	2
6	PSIT	8EE7-50	Project	3	0	0		210	140	350	7
7	SODE-CA	8EE8-00	SODECA	0	0	0			25	25	0.5
			SUB TOTAL	3	0	4		270	205	475	9.5
			TOTAL OF VIII SEMESTER	9	0	4		330	445	775	15.5

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