

4-Year BE-IEE Course Curriculum

FIRST YEAR FIRST SEMESTER						
Code No.	Subject	Pds / week			Marks	
		L	T	S	Exam	Sessional
Hum/T/A	Humanities-A	4	0	0	100	
IEBE/PE/T/112	Engineering Mechanics-I	3	1	0	100	
IEBE/Chem/T/113	Chemistry-I	4	0	0	100	
IEBE/Math/T/114	Mathematics-IJ	4	0	0	100	
IEBE/Math/T/115	Mathematics-III	4	0	0	100	
Ph/T/1A	Physics-IA	4	0	0	100	
Ph/S/111	Physics Lab-I	0	0	3		100
IEBE/Chem/S/112	Chemistry Lab-I	0	0	3		100
IEBE/PE/S/113	Engineering Drawing-I	0	0	3		100
IEBE/PE/S/114	Workshop - I	0	0	3		100
	Sub - Total	23	1	12	600	400
	Total :		36			1000

FIRST YEAR SECOND SEMESTER

FIRST YEAR SECOND SEMESTER						
Code No.	Subject	Pds / week			Marks	
		L	T	S	Exam	Sessional
IEBE/PE/T/121	Engineering Mechanics-II	3	1	0	100	
IEBE/PE/T/122	Applied Thermodynamics	3	1	0	100	
IEBE/Chem/T/123	Chemistry-II	4	0	0	100	
IEBE/Math/T/124	Mathematics - IIIJ	4	0	0	100	
IEBE/CSE/T/125	Numerical Methods & Computer Programming	3	1	0	100	
Ph/T/2A	Physics - IIA	4	0	0	100	
Ph/S/121	Physics Lab-II	0	0	3		100
IEBE/CSE/S/122	Computer Programming Lab-I	0	0	3		100
IEBE/Chem/S/123	Chemistry Lab-II	0	0	3		100
IEBE/PE/S/124	Engineering Drawing-II	0	0	3		100
	Sub - Total	21	3	12	600	400
	Total :		36			1000

SECOND YEAR FIRST SEMESTER

Code No.	Subject	Pds / week			Marks	
		L	T	S	Exam	Sessional
IEBE/ET/T/211	Electronic Devices	4	0	0	100	
IEBE/T/212	Circuit Theory	3	1	0	100	
IEBE/ET/T/213	Material Science	4	0	0	100	
IEBE/Math/T/214	Mathematics-IVJ	4	0	0	100	
IEBE/PE/T/215	Electrical Machines-I	4	0	0	100	
IEBE/PE/T/216	Applied Fluid Mechanics	4	0	0	100	
IEBE/S/211	Electronic Workshop	0	0	3		100
IEBE/S/212	Instrument Workshop	0	0	3		100
IEBE/PE/S/213	Electrical Engineering Lab-I	0	0	3		100
IEBE/PE/S/214	Workshop - II	0	0	3		100
	Sub - Total	23	1	12	600	400
	Total :	36			1000	

SECOND YEAR SECOND SEMESTER

Code No.	Subject	Pds / week			Marks	
		L	T	S	Exam	Sessional
IEBE/T/221	Fundamentals of Instrumentation	3	1	0	100	
IEBE/ET/T/222	Electronic Circuits-I	3	1	0	100	
IEBE/PE/T/223	Electrical Machines-II	4	0	0	100	
IEBE/PE/T/224	Electrical Measurements	4	0	0	100	
IEBE/T/225	Digital Electronics	3	1	0	100	
IEBE/IT/T/226	Data Structures & Algorithms	4	0	0	100	
IEBE/S/221	Electronic Circuits Lab-I	0	0	3		100
IEBE/PE/S/222	Electrical Engineering Lab-II	0	0	3		100
IEBE/PE/S/223	Electrical Measurements Lab	0	0	3		100
IEBE/S/224	Digital Electronics Lab	0	0	3		100
	Sub - Total	21	3	12	600	400
	Total :	36			1000	

THIRD YEAR FIRST SEMESTER

Code No.	Subject	Pds / week			Marks	
		L	T	S	Exam	Sessional
IEBE/T/311	Electronic Circuits-II	3	1	0	100	
IEBE/T/312	Analog Integrated Circuits	3	1	0	100	
IEBE/T/313	Process Instrumentation-I	3	1	0	100	
IEBE/T/314	Linear Control Systems	3	1	0	100	
IEBE/T/315	Signal Processing and Transmission	3	1	0	100	
IEBE/T/316	Microprocessors – Theory & Applications	3	1	0	100	
IEBE/S/311	Electronic Circuits Lab-II	0	0	3		100
IEBE/S/312	Control Engg. Lab	0	0	3		100
IEBE/IT/S/313	Computer Programming Lab-II	0	0	3		100
IEBE/S/314	Process Instrumentation Lab	0	0	3		100
	Sub - Total	18	6	12	600	400
	Total :		36			1000

THIRD YEAR SECOND SEMESTER

Code No.	Subject	Pds / week			Marks	
		L	T	S	Exam	Sessional
IEBE/IT/T/321	Object Oriented Programming	3	1	0	100	
IEBE/T/322	Process Control-I	3	1	0	100	
IEBE/T/323	Process Instrumentation-II	3	1	0	100	
IEBE/T/324	Digital Signal Processing	3	1	0	100	
IEBE/T/325	Microcontrollers – Theory & Applications	3	1	0	100	

IEBE/IT/T/326	Computer Organization & Networking	3	1	0	100	
IEBE/S/321	Process Control Lab	0	0	3		100
IEBE/IT/S/322	Advanced Programming Lab	0	0	3		100
IEBE/S/323	Microprocessor and microcontroller lab	0	0	3		100
IEBE/S/324	Seminar	0	0	3		100
	Sub - Total	18	6	12	600	400
	Total :		36			1000

FOURTH YEAR FIRST SEMESTER						
Code No.	Subject	Pds / week			Marks	
		L	T	S	Exam	Sessional
IEBE/T/411	Electronic Instrumentation	3	1	0	100	
IEBE/T/412	Process Control-II	3	1	0	100	
IEBE/T/413	Power Electronics	3	1	0	100	
IEBE/T/414	Optical Instruments and Opto-electronics	3	1	0	100	
IEBE/T/415	Elective-I	3	1	0	100	
IEBE/S/411	IC Applications Lab	0	0	3		100
IEBE/S/412	Signal Processing Lab	0	0	3		100
IEBE/S/413	Electronic Design Lab	0	0	3		100
IEBE/S/414	Project	0	0	4		100
	Sub - Total	15	5	13	500	400
	Total :		33			900

FOURTH YEAR SECOND SEMESTER

Code No.	Subject	Pds / week			Marks	
		L	T	S	Exam	Sessional
IEBE/Prod/T/421	Industrial Management	3	1	0	100	
IEBE/T/422	Analytical Instrumentation	3	1	0	100	

IEBE/T/423	Telemetry & Remote Control	3	1	0	100	
IEBE/T/424	Elective-II	3	1	0	100	
IEBE/T/425	General Viva Voce	3	1	0	100	
IEBE/S/421	Power Electronics Lab	0	0	3		100
IEBE/S/422	Telemetry & Remote Control Lab	0	0	3		100
IEBE/S/423	Optical and Analytical Instrumentation Lab	0	0	3		100
IEBE/S/424	Project	0	0	4		100
	Sub - Total	12	4	13	500	400
	Total :		29			900