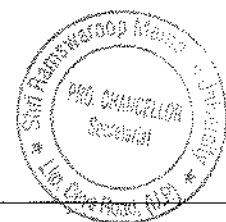
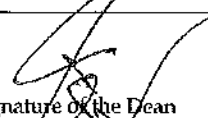
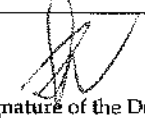
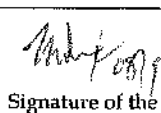


B. Tech.: (CS, EC, EE, CE, ME except Bio-Technology)
I Year: I Semester

S. No.	Course Code	Subject	L	T	P	CIE	ESE	Total	C
THEORY									
1.	BMA1001	Mathematics-I	3	2	-	40	60	100	4
2.	BPH1001 BCY1001	Physics / Chemistry	3	1	-	40	60	100	3
3.	BME1001 BEE1001	Applied Mechanics / Electrical Engineering	3	2	-	40	60	100	4
4.	BEC1001 BCS1001	Electronics Engineering/ Computing Fundamentals	3	1	-	40	60	100	3
5.	BHU1001	Functional English	3	0	-	40	60	100	3
6.	BES1001 BME1002	Environmental Studies/ Manufacturing Processes	2/ 3	0	-	20/ 40	30/ 60	50/ 100	2/ 3
PRACTICAL/TRAINING/PROJECT									
7.	BPH1501 BCY1501	Physics Lab / Chemistry Lab	-	-	2	80	20	100	1
8.	BME1501 BEE1501	Applied Mechanics Lab / Electrical Engineering Lab	-	-	2	80	20	100	1
9.	BHU1501 BCS1501	English Language Lab / Computing Fundamentals Lab	-	-	2	80	20	100	1
10.	BME1503 BME1502	Engineering Graphics Lab / Manufacturing Processes Lab	-	-	4	80	20	100	2
Total			17/ 18	6	10	540/ 560	410/ 440	950/ 1000	24/ 25

L - Lecture
 T -Tutorial
 P -Practical
 CIE -Continuous Internal Evaluation
 ESE -End Semester Exam
 C - Credit

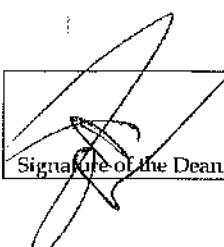
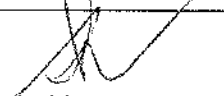
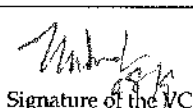


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B. Tech.: (CS, EC, EE, CE, ME except Bio-Technology)
I Year: II Semester

S. No.	Course Code	Subject	L	T	P	CIE	ESE	Total	C
THEORY									
1.	BMA2001	Mathematics-II	3	2	-	40	60	100	4
2.	BCY2001 BPH2001	Chemistry / Physics	3	1	-	40	60	100	3
3.	BEE2001 BME2001	Electrical Engineering / Applied Mechanics	3	2	-	40	60	100	4
4.	BCS2001 BEC2001	Computing Fundamentals/ Electronics Engineering	3	1	-	40	60	100	3
5.	BHU2001	Advanced Functional English	3	0	-	40	60	100	3
6.	BME2002 BES2001	Manufacturing Processes / Environmental Studies	3/ 2	0	-	40/ 20	60/ 30	100/ 50	3/ 2
PRACTICAL/TRAINING/PROJECT									
7.	BCY2501 BPH2501	Chemistry Lab / Physics Lab	-	-	2	80	20	100	1
8.	BEE2501 BME2501	Electrical Engineering Lab / Applied Mechanics Lab	-	-	2	80	20	100	1
9.	BCS2501 BHU2501	Computing Fundamentals Lab/ English Language Lab	-	-	2	80	20	100	1
10.	BME2502 BME2503	Manufacturing Processes Lab/ Engineering Graphics Lab	-	-	4	80	20	100	2
Total			18/ 17	6	10	560/ 540	440/ 410	1000/ 950	25/ 24



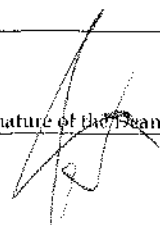

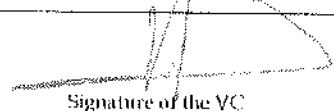
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B. Tech.: Electrical Engineering
II Year: III Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
THEORY									
1.	BMA3001/ ---	Mathematics-III/ Science Based Open Electivel ¹	3	2	0	40	60	100	4
2.	BHU3018/ BHU3019	Organizational Psychology/ Organizational Sociology	2	0	0	40	60	100	2
3.	BEC3008	Analog and Digital Electronics	3	2	0	40	60	100	4
4.	BME3004	Basics of Thermodynamic	3	1	0	40	60	100	3
5.	BEE3001	Network Analysis and Synthesis	3	2	0	40	60	100	4
6.	BEE3002	Engineering Material	3	2	0	40	60	100	4
PRACTICAL/TRAINING/PROJECT									
7.	BEC3505	Electronics Lab	0	0	2	80	20	100	1
8.	BEE3501	Electrical Simulation Lab	0	0	2	80	20	100	1
9.	BEE3502	Network Lab	0	0	2	80	20	100	1
10.	BEE3503	Industrial Visit-I	0	0	0	100	-	100	1
TOTAL			17	9	6	580	420	1000	25

- L - Lecture
 T - Tutorial
 P - Practical
 CIE - Continuous Internal Evaluation
 ESE - End Semester Exam
 C - Credit



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B. Tech.: Electrical Engineering
II Year: IV Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
1.	---/ BMA4001	Science Based Open Elective I / Mathematics-III	3	2	0	40	60	100	4
2.	BHU4019/ BHU4018	Organizational Sociology / Organizational Psychology	2	0	0	40	60	100	2
3.	BEC4008	Micro-Processor and Micro Controller	3	1	0	40	60	100	3
4.	BEE4001	EMMI	3	1	0	40	60	100	3
5.	BEE4002	EMEC-I	3	2	0	40	60	100	4
6.	BE4003	Signal and System	3	2	0	40	60	100	4
PRACTICAL/TRAINING/PROJECT									
7.	BEC4506	Micro-Processor Lab	0	0	2	80	20	100	1
8.	BEE4501	Electrical Measurement Lab	0	0	2	80	20	100	1
9.	BEE4502	EMEC-I Lab	0	0	2	80	20	100	1
10.	BEE4503	Industrial Visit-II	0	0	0	100	-	100	1
TOTAL			17	8	6	580	420	1000	24

University Mandatory Non-Credit Course									
1.	XHUX601	Human Values and Ethics	2	-	-	100	-	100	0



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B. Tech.: Electrical Engineering
III Year: V Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
1.	BMG5006/ BMG5007	Engineering and Managerial Economics / Principles of Management	3	0	0	40	60	100	3
2.	BEE5001	EMEC-II	3	2	0	40	60	100	4
3.	BEE5002	Control System	3	2	0	40	60	100	4
4.	BEE5003	Electrical Instrumentation and Process Control	3	0	0	40	60	100	3
5.	BEE5004	Fundamentals of EM Field Theory	3	2	0	40	60	100	4
6.	BEE5005	Element of Power System	3	2	0	40	60	100	4
PRACTICAL/TRAINING/PROJECT									
7.	BEE5501	EMEC-II Lab	0	0	2	80	20	100	1
8.	BEE5502	Control Lab	0	0	2	80	20	100	1
9.	BEE5503	Instrumentation Lab	0	0	2	80	20	100	1
10.	BSS5501	Soft Skill	0	0	2	100	-	100	1
11.	BAP5501	Aptitude & Reasoning and Online Test	0	0	2	100	-	100	1
12.	BEE5504	Industrial Visit-III	0	0	0	100	-	100	1
TOTAL			18	8	10	780	420	1200	28

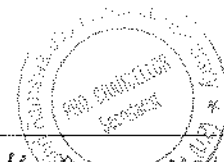
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Signature of the Director

Signature of the VC


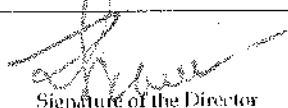
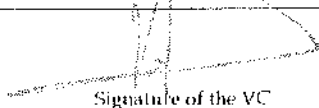
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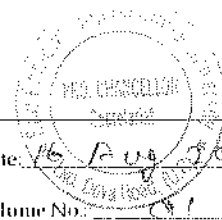
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B. Tech.: Electrical Engineering
III Year: VI Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
1.	BMG6006/ BMG6007	Engineering and Managerial Economics/ Principles of Management	3	0	0	40	60	100	3
2.	BEC6008	Communication Engineering	3	0	0	40	60	100	3
3.	BEE6001	Power Electronics	3	2	0	40	60	100	4
4.	BEE6002	Power System Analysis	3	2	0	40	60	100	4
5.	BEE6003	Power System Operation and Control	3	2	0	40	60	100	4
6.	---	Department Elective-I	3	1	0	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
7.	BEC6508	Communication Engineering Lab	0	0	2	80	20	100	1
8.	BEE6501	Power Electronics Lab	0	0	2	80	20	100	1
9.	BEI6502	Seminar	0	0	2	100	-	100	1
10.	BSS6501	Soft Skill	0	0	2	100	-	100	1
11.	BAP6501	Aptitude & Reasoning and Online Test	0	0	2	100	-	100	1
12.	BEE6505	Industrial Visit-IV	0	0	0	100	-	100	1
TOTAL			18	7	10	800	400	1200	27

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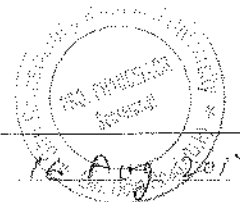




B. Tech.: Electrical Engineering
IV Year: VII Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
1.	BEE7001	Electric Drives	3	2	0	40	60	100	4
2.	BEE7002	Switch Gear and Protection	3	1	0	40	60	100	3
3.	BEE7003	High Voltage Technique	3	1	0	40	60	100	3
4.	---	Department Elective II	3	1	0	40	60	100	3
5.	---	Open Elective - I	3	0	0	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
6.	BEE7501	Electric Drives Lab	0	0	2	80	20	100	1
7.	BEE7502	Power System Lab	0	0	2	80	20	100	1
8.	BEE7503	Summer Training	0	0	2	100	-	100	1
9.	BEE7504	Project-I	0	0	2	100	-	100	2
10.	BEE7505	Industrial Visit-V	0	0	0	100	-	100	1
TOTAL			15	5	8	660	340	1000	22

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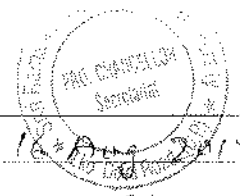




B. Tech.: Electrical Engineering
IV Year: VIII Semester

S. No.	Subject Code	Subject	L	T	P	CIE	ESE	Total	C
1.	BEE8001	Utilization of Electrical Energy and Traction	3	2	0	40	60	100	4
2.	---	Department Elective III	3	1	0	40	60	100	3
3.	---	Department Elective IV	3	1	0	40	60	100	3
4.	---	Open Elective—II	3	0	0	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
5.	BEE8501	Project-II	0	0	4	80	20	100	6
6.	BEE8503	Industrial Visit-VI	0	0	0	100	-	100	1
TOTAL			12	4	4	340	260	600	20
GRAND TOTAL			97	41	44	3740	2260	6000	146

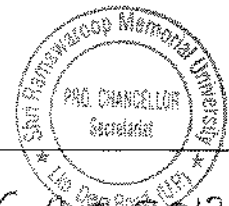
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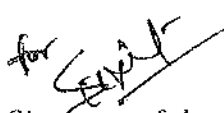

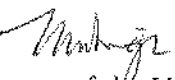


B. Tech.: Electrical Engineering

List of Electives

S. No.	Subject Code	Subject
<u>Science Based Open Electives I</u>		III/IV Semester
1.	BCY3301/BCY4301	Industrial Chemical and Environment
2.	BCY3302/BCY4302	Polymer Technology
3.	BMA3301/BMA4301	Discrete Mathematics
4.	BST3301/BST4301	Statistical and Numerical Analysis
5.	BPH3301/BPH4301	Nano Science
6.	BPH3302/BPH4302	Space Science
<u>Department Elective-I</u>		VI Semester
1.	BEE6101	Special Electrical Machine
2.	BEE6102	Digital control system
3.	BEE6103	Intelligent instrumentation
4.	BCS6105	Object oriented system and C++
<u>Open Elective-I</u>		VII Semester
1.	BEE7301	Renewable Source of Energy and Energy Storage System
2.	BEE7302	High Voltage DC Transmission Systems
3.	BEE7303	Non conventional energy resources
4.	BEE7305	Energy Auditing and Management
<u>Department Elective-II</u>		VII Semester
1.	BEC7106	Digital Signal Processing
2.	BEE7101	Power System Planning
3.	BEE7104	Reactive Power Control and FACTS
4.	BEE7103	Power Generation Systems
<u>Open Elective-II</u>		VIII Semester
1.	BEE8301	Fuzzy System and its Application
2.	BEE8302	Industrial Power System Analysis and Design
3.	BEE8303	Solar and Wind Power Conversion
4.	BEE8304	Power Distribution Systems



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Department Elective-III

1. BCS8107
2. BEC8105
3. BEE8101
4. BEE8102

VIII Semester

- Computer networks
- Digital communication
- Energy efficiency and conservation
- Distributed Generation and Micro Grid

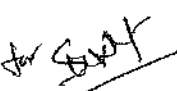

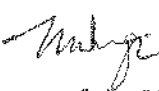
Department Elective-IV

1. BCS8207
2. BEE8201
3. BEE8202
4. BEE8203

VIII Semester

- Cryptography and network security
- Advanced control system
- Power Electronics Applications to Power Systems
- Conventional and CAD of electrical machines



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