Department of Electrical & Electronics Engineering

Course Structure for B.E. (EEE)

(Applicable to 2011 onwards)

I Semester

Code	Name of Subjects	L	T	P	C
	THEORY				
HU 1101	*Technical English	**3**	**0**	**0**	**3**
PH 1201	Physics	3	1	0	4
CH 1401	Engineering Chemistry	3	0	0	3
MA 1201	Engineering Mathematics	3	1	0	4
AM 1201	Engineering Mechanics	3	1	0	4
	SESSIONAL / LABORATORY				
ME 1202	Engineering Graphics	1	0	3	3
CS 1302	Fundamental of Unix & C Programming	1	0	3	3
PH 1202	Physics Lab	0	0	3	2
PE 1202	Workshop Practice	0	0	3	2
GA 1002 / GA 1004 / GA 1006 / GA 1008	NCC / NSS / PT & Games / Creative Art	0	0	2	1
	TOTAL CREDIT	**17**	**03**	**14**	**29**

II Semester

CODE	Name of Subjects	L	T	P	C
	THEORY				
MA 2201	Advance Engineering Mathematics	3	1	0	4
EE 2201	Principles of Electrical Engineering	3	1	0	4
CH 2203	*Environmental Science	3	0	0	3
CS 2301	Fundamental of Data Structure	3	1	0	4
EC 2001	Principles of Electronics Engineering	3	0	0	3
ME 2001	Principles of Mechanical Engineering	3	0	0	3
	SESSIONAL / LABORATORY				
CH 1402	Chemistry Lab	0	0	3	2
AM 2202	Engineering Mechanics Lab.	0	0	3	2
CS 2302	Data Structure Lab	0	0	3	2
EC 2002	Basic Electronics Engineering Lab.	0	0	3	2
GA 2002 / GA 2004 / GA 2006 / GA 2008	NCC / NSS / PT & Games / Creative Art	0	0	2	1
	TOTAL	**18**	**03**	**14**	**30**

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III Semester

CODE	Name of Subjects	L	T	P	C
	THEORY				
BT 3021	*Biological Science	3	0	0	3
EE 3201	Introduction to System Theory	3	0	0	3
EE 3205	Network Theory	3	1	0	4
EE 3207	Electric Energy Generation & Control	3	0	0	3
EC 3201	Digital Electronics	3	1	0	4
	SESSIONAL / LABORATORY				
EE 3202	Basic Electrical Engineering Lab.	0	0	3	2
EC 3202	Digital Electronics Lab	0	0	3	2
EE 3212	Computing Lab	0	0	3	2
GA 3002 / GA 3004 / GA 3006 / GA 3008	NCC / NSS / PT & Games / Creative Art	0	0	2	1
	TOTAL	**15**	**2**	**11**	**24**

IV Semester

CODE	Name of Subjects	L	T	P	C
	THEORY				
HU 4001/ HU 4003	*French / *German	3	0	0	3
EE 4201	Electrical Measurement & Instrumentation	3	0	0	3
EE 4203	Electrical Machines – I	3	0	0	3
EE 4207	Digital Signal Processing	3	1	0	4
EE 4209	Engineering Electromagnetics	3	1	0	4
	SESSIONAL / LABORATORY				
EE 4202	Measurement & Electronic Instrumentation Lab	0	0	3	2
EE 4204	Electrical Machine Lab –I	0	0	3	2
EE 4208	Digital Signal Processing Lab	0	0	3	2
GA 4002 / GA 4004 / GA 4006 / GA 4008	NCC / NSS / PT & Games / Creative Art	0	0	2	1
	TOTAL	**15**	**2**	**11**	**24**

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V Semester

CODE	Name of Subjects	L	T	P	C
	THEORY				
	*Breadth Paper	3	0	0	3
EE 5201	Microprocessor & Microcontroller	3	0	0	3
EE 5203	Electrical Machines – II	3	0	0	3
EE 5205	Power Electronics	3	1	0	4
EE 5207	Power System – I	3	0	0	3
	SESSIONAL / LABORATORY				
EE 5202	Microprocessor Lab	0	0	3	2
EE 5204	Electrical Machine Lab –II	0	0	3	2
EE 5206	Power Electronics Lab	0	0	3	2
	TOTAL	**15**	**1**	**9**	**22**

VI Semester

CODE	Name of Subjects	L	T	P	C
	THEORY				
	*Breadth Paper	3	0	0	3
EE 6201	Control Theory	3	0	0	3
EE 6203	Power System – II	3	0	0	3
EE 6205	Industrial Drives and Control	3	1	0	4
	SESSIONAL / LABORATORY				
EE 6202	Control System Lab.	0	0	3	2
EE 6208	Computer Aided Machine Design	0	0	3	2
EE 6210	Electrical Workshop	0	0	3	2
	TOTAL	**12**	**1**	**9**	**19**

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Course Structure for B.E. (EEE)

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VII Semester

CODE	Name of Subjects	L	T	P	C
	THEORY				
	*Breadth Paper	3	0	0	3
EE 7203	Switchgear & Protection	3	0	0	3
	Elective - I	3	0	0	3
	Free Elective	3	0	0	3
	SESSIONAL / LABORATORY				
	Elective – I Sessional	0	0	3	2
EE 7204	Power System Lab	0	0	3	2
EE 7210	Minor Project	0	0	3	2
	TOTAL	**12**	**0**	**9**	**18**

VIII Semester

CODE	Name of Subjects	L	T	P	C
	THEORY				
	Elective - II	3	0	0	3
	SESSIONAL / LABORATORY				
EE 8202	Simulation Lab	0	0	3	2
EE 8204	Comprehensive viva	0	0	0	2
EE 8210	Major Project	0	0	9	6
	TOTAL	**3**	**0**	**12**	**13**

NOTES:

1. **Total credit is 175+4 (Games etc)** for BE Program
2. * Marked are Breadth papers

LIST OF ELECTIVE – I

1. EE 7211 Computer Aided Power System Analysis
2. EE 7213 Microprocessor Applications
3. EE 7215 Bio-Electronics Instrumentation
4. EE 7217 Neural Network
5. MEE 1119 Control System Design
6. MEE 1151 Advanced Power Electronics

LIST OF ELECTIVE – I SESSIONAL

1. EE 7212 Computer Aided Power System Analysis Sessional
2. EE 7214 Microprocessor Applications Laboratory
3. EE 7216 Bio-Electronics Instrumentation Laboratory
4. EE 7218 Neural Network laboratory
5. EE 7220 Control System Design Laboratory
6. EE 7222 Advanced Power Electronics Laboratory

LIST OF ELECTIVE- II

1. EE 8211 Information Technology
2. EE 8213 Robotics
3. EE 8215 High Voltage Engineering
4. EE 8217 EHV Power Transmission
5. EE 8219 Fundamentals of Communication System
6. EE 8221 Utilization of Electrical Power
7. EE 8223 Artificial Intelligence
8. MEE 2115 Embedded System and Applications
9. MEE 2101 Soft Computing Techniques
10. MEE 2157 Renewable Sources of Electrical Energy
11. EE 8225 Applied Control Theory
12. EE 8227 VLSI Design
13. EE 8229 Testing and Commissioning of Electrical Equipment

LIST OF FREE ELECTIVE FOR OTHER DEPARTMENTS

1. EE 3207 Electric Energy Generation & Control
2. EE 8213 Robotics
3. MEE 2101 Soft Computing Techniques
4. MEE 2157 Renewable Sources of Electrical Energy

LIST OF BREADTH PAPERS

V Semester

1. MSH 1113 Environmental Psychology
2. MSH 1125 Organisation Behavior
3. MSH 1131 Principles of Management
4. PE 5009 Industrial Organisation and Management
5. PE 5011 Project Engineering
6. AR 3039 Art and Culture

VI Semester

1. MSH 1117 Financial Management
2. MSH 1137 Economics
3. PE 6009 Engineering Economy

VII Semester

1. MSH 1103 Business Ethics
2. MSH 1109 Entrepreneurship and Small Business Management
3. MSH 1149 IPR