

STUDY & EVALUATION SCHEME
INTEGRATED B.TECH + M.B.A.: ELECTRONIC & COMMUNICATION
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 Elective ¹	3	2	-	40	60	100	4
2	BHU3018/ BHU3019	Organizational Psychology/ Organizational Sociology	2	0	-	40	60	100	2
3	BEC3002	Electro-Magnetic Field Theory	3	2	-	40	60	100	4
4	BEC3003	Network Analysis and Synthesis	3	2	-	40	60	100	4
5	BEC3004	Fundamentals of Electronic Devices	3	1	-	40	60	100	3
6	BEC3009	Digital Electronics	3	2	-	40	60	100	4
PRACTICAL/TRAINING/PROJECT									
7	BEC3502	Electronics Lab – I	0	0	2	80	20	100	1
8	BEC3503	Electronics Workshop & PCB Lab	0	0	2	80	20	100	1
9	BEC3507	Digital Electronics Lab-I	0	0	2	80	20	100	1
TOTAL			17	9	6	480	420	900	24

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C – Credit

STUDY & EVALUATION SCHEME
INTEGRATED B.TECH + M.B.A.: ELECTRONIC & COMMUNICATION
ENGINEERING
II YEAR: IV SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	BMA4001	Science Based Open Elective ¹ / Mathematics-III	3	2	-	40	60	100	4
2	BHU4019/ BHU4018	Organizational Sociology/ Organizational Psychology	2	0	-	40	60	100	2
3	BEC4002	Electronics Circuits	3	1	-	40	60	100	3
4	BEC4004	Electronic Instrumentation and Measurement	3	1	-	40	60	100	3
5	BEC4010	Signals and Systems	3	2	-	40	60	100	4
6	BEC4011	Computer Organization	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
7	BEC4502	Electronics Lab-II	0	0	2	80	20	100	1
8	BEC4504	Measurement Lab	0	0	2	80	20	100	1
9	BEC4508	Signals and Systems Lab	0	0	2	80	20	100	1
10	BEC4509	Computer Organization Lab	0	0	2	80	20	100	1
TOTAL			17	7	8	560	440	1000	23

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III YEAR: V SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	BMG5006/ BMG5007	Engineering and Managerial Economics / Principles of Management	3	0	-	40	60	100	3
2	BEC5001	Integrated Circuits	3	2	-	40	60	100	4
3	BEC5002	Analog Communication	3	2	-	40	60	100	4
4	BEC5004	Control Systems	3	2	-	40	60	100	4
5	BEC5005	Microwave Antenna	3	1	-	40	60	100	3
6	BEC5011	Microprocessor	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
8	BEC5501	IC Lab	0	0	2	80	20	100	1
9	BEC5502	Communication Lab-I	0	0	2	80	20	100	1
10	BEC5504	Control System Lab (Mat Lab)	0	0	2	80	20	100	1
11	BEC5509	Microprocessor Lab	0	0	2	80	20	100	1
TOTAL			18	8	8	560	440	1000	25

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III YEAR: VI SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	BMG6006/ BMG6007	Engineering and Managerial Economics / Principles of Management	3	0	0	40	60	100	3
2	BEC6001	Digital Communication	3	2	-	40	60	100	4
3	BEC6002	DSP	3	2	-	40	60	100	4
4	BEC6003	Microwave Engineering	3	1	-	40	60	100	3
5	BEC6004	Satellite Communication	3	1	-	40	60	100	3
6	-	Department Elective-I	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
7	BEC6501	Communication Lab-II	0	0	2	80	20	100	1
8	BEC6502	DSP Lab	0	0	2	80	20	100	1
9	BEC6503	Microwave Lab	0	0	2	80	20	100	1
10	BEC6504	Seminar	0	0	2	100	-	100	1
11	BEC6505	Industrial Visit	0	0	-	100	-	100	1
TOTAL			18	7	8	680	420	1100	25

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IV YEAR: VII SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	BEC7001	Optical Fiber Communication	3	1	-	40	60	100	3
2	BEC7002	Telecommunication Switching	3	2	-	40	60	100	4
3	BEC7003	VLSI Design	3	1	-	40	60	100	3
4	MST7001	Statistics for Decision Making	3	1	0	40	60	100	3
5	MMG7001	Marketing Management-I	3	1	0	40	60	100	3
6	MMG7002	Business Issues	3	1	0	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
7	BEC7501	OFC Lab	0	0	2	80	20	100	1
8	BEC7502	Communication Lab-III	0	0	2	80	20	100	1
9	BEC7503	Summer Training***	0	0	2	100	-	100	1
10	MEC7502	Engineering Design Project	0	0	6	80	20	100	3
TOTAL			18	7	12	580	420	1000	25

L - Lecture

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***Semester End Activity – Summer Training

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IV YEAR: VIII SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MMG8001	Research Methodology	3	1	0	40	60	100	3
2	MMG8002	Human Resource Management	3	1	0	40	60	100	3
3	MCM8001	Financial Management	3	1	0	40	60	100	3
4	MMG8003	Marketing Management -II	3	1	0	40	60	100	3
5	MMG8004	Production and Operations Management	3	1	0	40	60	100	3
6	BEC8001	Wireless Communication	3	2	0	40	60	100	4
PRACTICAL/TRAINING/PROJECT									
7	MMG8501	Computer Statistical Tool (SPSS)	-	-	4	80	20	100	2
8	MEC8503	Integrated Project Part-I	0	0	4	80	20	100	2
TOTAL			18	7	8	400	400	700	25

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V YEAR: IX SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MCS9001	Management Information Systems & Internet Technologies	3	1	-	40	60	100	3
2	MMG9001	Corporate Governance & Business Ethics	3	1	-	40	60	100	3
3	MMG9002	Entrepreneurship	3	1	-	40	60	100	3
4	MCM9001	Accountancy- Foundation Course	3	1	-	40	60	100	3
5	MMG9003	Organizational Behavior, Leadership and Team work	3	1	-	40	60	100	3
6	---	Specialization-1: Paper 1	3	1	-	40	60	100	3
7	---	Specialization-1: Paper 2	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
8	MEC9503	Integrated Project Part-II	-	-	4	80	20	100	4
9	MEC9504	Summer Training - Project Report	0	0	2	100	-	100	1
TOTAL			21	7	6	460	440	900	26

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V YEAR: X SEMESTER

S. NO	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	MMG0001	Legal Aspects of Business	3	1	-	40	60	100	3
2	MMG0002	Business Environment	3	1	-	40	60	100	3
3	MMG0003	Strategic Management	3	1	-	40	60	100	3
4	---	Specialization-1: Paper 3	3	1	-	40	60	100	3
5	---	Specialization-1: Paper 4	3	1	-	40	60	100	3
PRACTICAL/TRAINING/PROJECT									
6	MMG0501	Entrepreneurship Lab- (Launch a new business- micro project)	0	0	2	80	20	100	2
7	MEC0503	Integrated Project – Part 3	0	0	4	80	20	100	4
8	MEC0502	Comprehensive Viva	0	0	0	100	0	100	2
TOTAL			15	5	6	460	340	800	23

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LIST OF ELECTIVES

SCIENCE BASED OPEN ELECTIVES

S. No.	SUBJECT CODE	SUBJECT	SEMESTER
1	BCY3301 / BCY4301	Industrial Chemical & Environment	III / IV
2	BCY3302 / BCY4302	Polymer Technology	III / IV
3	BMA3301 / BMA4301	Discrete Mathematics	III / IV
4	BST3301 / BST4301	Statistical & Numerical Analysis	III / IV
5	BPH3301 / BPH4301	Nano Science	III / IV
6	BPH3302 / BPH4302	Space Science	III / IV

DEPARTMENT ELECTIVE-I

S. No.	SUBJECT CODE	SUBJECT	SEMESTER
1	BEC6101	Advanced Semiconductor Devices	VI
2	BEC6102	Microcontroller	VI
3	BEC6103	Filter Design	VI

SPECIALLIZATION: I

S. No.	SUBJECT CODE	SUBJECT	SEMESTER
Specialization Group : Marketing			
1	MMG9001-MK	Sales and Distribution Management	IX
2	MMG9002-MK	Marketing of Services	IX
3	MMG0001-MK	Consumer Behavior & Customer Relationship Marketing	X
4	MMG0002-MK	Retailing/ Mall Management	X
Specialization Group : Finance			
1	MCM9001-FM	Financial Institutions and Services	IX
2	MCM9002-FM	Security Analysis and Portfolio Management	IX
3	MCM0001-FM	Taxation & Tax Planning	X
4	MCM0002-FM	Financial Derivatives	X
Specialization Group : Human Resource			
1	MMG9001-HR	Employee Relations and Industrial Law	IX
2	MMG9002-HR	Performance Appraisal and Management	IX

3	MMG0001-HR	Managing Change in Organizations	X
4	MMG0002-HR	Human Resource Planning	X
Specialization Group : Operations Management			
1	MMG9001-OM	Project Management	IX
2	MMG9002-OM	Production Planning and Control	IX
3	MMG0001-OM	Operations Strategy (TQM, Environment Safety etc.)	X
4	MMG0002-OM	Supply Chain Modeling	X
Specialization Group : Information Technology			
1	MCS9001-IT	ERP Systems: Technology Planning & Implementation	IX
2	MCS9002-IT	Software Project Management	IX
3	MCS0001-IT	Network Application & Management	X
4	MCS0002-IT	E-Commerce Technology	X
Specialization Group: International Business			
1	MMG9001-IB	International Marketing Management	IX
2	MMG9002-IB	International Financial Management	IX
3	MMG0001-IB	International Human Resource Management	X
4	MMG0002-IB	Export Management & Documentation	X