Equivalence Committee Report

Equivalence of Subjects for Second Year (EXTC) OLD Syllabus

Subject Code	Name of the OLD course	NEW Subject Code	Equivalent New Course
Part I			
EC211	Engineering Mathematics III	-	**No Equivalence**
EC212	Electronic Devices and Circuits I	EC212	Electronic Devices and Circuits - I
EC213	Network and Lines	EC226	Networks and Lines
EC214	Signals and Systems	-	**No Equivalence**
EC215	Digital Electronics	EC213	Digital Electronics
EC216	Industrial Organization	-	**No Equivalence**
EC217	Electronics Lab-I	-	**No Equivalence**
Part II			
EC221	Engineering Mathematics IV	-	**No Equivalence**
EC222	Electronic Devices and Circuits II	EC222	Electronic Devices and Circuits II
EC223	Electronics Measurements & Instrumentation	EC225	Electronics Measurements and Instrumentation
EC224	Principles of Communication System	EC223	Principles of Communication Engineering
EC225	Microprocessor I	-	**No Equivalence**
EC226	Object Oriented Programming with C++	-	**No Equivalence**
EC227	Communication Skills	HU201	Communication Skills

Reference : New SY Syllabus w.e.f. July 2010

Sr. No.	Name of the course	Total No. of credits	Lectures/ week	Tutorials/ week	Practical/ week
Part I					
MA201	Engineering Mathematics III	**4**	**4**	**-**	**-**
EC212	Electronic Devices and Circuits - I	**4**	**3**	**-**	**2**
EC213	Digital Electronics	**4**	**3**	**-**	**2**
EC214	Data Structure and Computer Algorithms	**3**	**3**	**-**	**-**
EC215	Numerical Methods	**3**	**3**	**-**	**-**
EC216	Software Lab-I (EC214+EC215)	**1**	**-**	**-**	**2**
HU201	Communication Skills	**1**	**-**	**-**	**2**
	Sub Total	**20**	**16**	**0**	**8**
Part II					
EC221	Engineering Mathematics IV	**4**	**4**	**-**	**-**
EC222	Electronic Devices and Circuits II	**4**	**3**	**-**	**2**
EC223	Principles of Communication Engineering	**4**	**3**	**-**	**2**
EC224	Microprocessor and Microcontroller	**4**	**3**	**-**	**2**
EC225	Electronics Measurements and Instrumentation	**3**	**3**	**-**	**-**
EC226	Networks and Lines	**3**	**3**	**-**	**-**
EC227	Electronics Lab (EC225+EC226)	**1**	**-**	**-**	**2**
	Sub Total	**23**	**19**	**0**	**8**
	Total	**43**	**35**	**0**	**16**

Equivalence of Subjects for M.Tech. (EC) OLD Syllabus

Part I			
Course Code	**Name of the OLD course**	**NEW Course Code**	**Equivalent New Course**
MEC501	Digital Communication (3-1-2-5)	MEC504	Information Theory and Coding
MEC502	Advanced Digital Signal Processing (3-1-2-5)	MEC502	Advanced Digital Signal Processing
MEC5xx	Program Elective-I (3-1-0-4)		As detailed Below
MEC5xx	Program Elective-II (3-1-0-4)		As detailed Below
MEC5xx	Program Elective-III (3-1-0-4)		As detailed Below
MEC511	Seminar-I (0-0-4-2)		No Equivalence
MEC512	Lab-I (0-0-4-2)		No Equivalence
Program Electives		**Program Electives**	
MEC503	Fuzzy Logic and Neural Networks		No Equivalence
MEC504	Microelectronics		No Equivalence
MEC505	Digital Image Processing	MEC503	Digital Image Processing
MEC506	Advances in Digital Systems	MEC501	Modern Digital System Design
MEC507	Data Communications and Networking		No Equivalence
MEC508	Analysis and Design of Algorithms		No Equivalence
MEC509			
Part II			
Course Code	**Course Name**		
MEC601	Embedded Systems Design (3-1-2-5)	MEC603	Embedded Systems Design
MEC602	Computer Organization (3-1-2-5)	MEC508	Advanced Computer Architecture
MEC6xx	Program Elective-I (3-1-0-4)		As detailed Below
MEC6xx	Program Elective-II (3-1-0-4)		As detailed Below
MEC6xx	Program Elective-III (3-1-0-4)		As detailed Below
MEC611	Seminar-II (0-0-4-2)		No Equivalence
MEC612	Lab-II (0-0-4-2)		No Equivalence
Program Elective		**Program Elective**	
MEC603	VLSI Design	MEC608	Advanced VLSI Design
MEC604	Computer Vision	MEC607	Computer Vision

MEC605	Multimedia Computing	MEC606	Multimedia systems and Applications
MEC606	Statistical Signal Processing	MEC602	Adaptive Signal Processing
MEC607	Data and Network Security		No Equivalence
MEC608	Mobile Computing		No Equivalence
MEC609	Advance Computer Networking		No Equivalence

Reference : New M.Tech (EC) Syllabus w.e.f. July 2010
NEW M.TECH.(EC) Syllabus

PART-I (20 Credits) (15-10-20)		**PART-II (20 Credits) (15-10-20)**	
Course Code	**Course Name**	**Course Code**	**Course Name**
MEC501	Modern Digital System Design (3-0-3)	MEC601	Modern Wireless Communication (3-0-3)
MEC502	Advanced Digital Signal Processing (3-2-4)	MEC602	Adaptive Signal Processing (3-2-4)
MEC503	Digital Image Processing (3-2-4)	MEC603	Embedded Systems Design (3-2-4)
MEC5xx	Program Elective-I (3-2-4)	MEC6xx	Program Elective-III (3-2-4)
MEC5xx	Program Elective-II (3-2-4)	MEC6xx	Program Elective-IV (3-2-4)
MEC509	Seminar-I (0-2-1)	MEC609	Seminar-II (0-2-1)
Program Electives I and II (3-2-4)		**Program Electives-III and IV (3-2-4)**	
MEC504	Information Theory and Coding	MEC604	Soft Computing and Applications
MEC505	Pattern Recognition	MEC605	Data Warehousing and Data Mining
MEC506	Artificial Neural Networks and Applications	MEC606	Multimedia systems and Applications
MEC507	Semiconductor Devices	MEC607	Computer Vision
MEC508	Advanced Computer Architecture	MEC608	Advanced VLSI Design
PART-III (24 Credits)		**PART-IV (24 Credits)**	
MEC701	Project Part-I (0-24-24)	MEC702	Project Part-II (0-24-24)

Above is the proposed equivalence for the old syllabus of SY(EXTC) and MTech(EXTC). Wherever “No Equivalence” is written, no suitable equivalent subject is found. For examination of such subjects, separate paper is to be set.