

## Programme Structure for B.E. Electronics and Computer Engineering

Proposed Semester-wise Pattern for Students Admitted to B.E. Electronics & Computer Engineering Programme								
Year	First Semester			U	Second Semester			U
I	BIO	F110	Biology Laboratory	1	MATH	F112	Mathematics II	3
	BIO	F111	General Biology	3	ME	F112	Workshop Practice	2
	CHEM	F110	Chemistry Laboratory	1	CS	F111	Computer Programming	4
	CHEM	F111	General Chemistry	3	EEE	F111	Electrical Sciences	3
	MATH	F111	Mathematics I	3	BITS	F112	Technical Report Writing	2
	PHY	F110	Physics Laboratory	1	MATH	F113	Probability and Statistics	3
	PHY	F111	Mechanics, Oscillations and Waves	3	BITS	F111	Thermodynamics	3
	BITS	F110	Engineering Graphics	2				
			<b>17</b>				<b>20</b>	
II	MATH	F211	Mathematics III	3	ECON	F211	Principles of Economics	3
			Humanities Electives	3(min)			or	or
	ECOM	F213	Object Oriented Programming	4	MGTS	F211	Principles of Management	3
	ECOM	F214	Electronic Devices	3	ECOM	F211	Data Structures & Algorithms	4
	ECOM	F215	Digital Design	4	ECOM	F241	Microprocessors and Interfacing	4
	ECOM	F222	Discrete Structures for CS	3	ECOM	F242	Control Systems	3
					ECOM	F243	Signals & Systems	3
					ECOM	F244	Microelectronic Circuits	3
					BITS	F225	Environmental Studies	3
				<b>20 (min)</b>				<b>23 (min)</b>
<b>Summer BITS F221 Practice School – I (for PS Option Only)</b>								
III			Open/Humanities Electives	3 to 6			Open/Humanities Electives	6 to 9
	ECOM	F313	Analog & Digital VLSI Design	3	ECOM	F321	Real Time Operating Systems	4
	ECOM	F342	Computer Architecture	4	ECOM	F462	Network Programming	3
	ECOM	F343	Communication Networks	3				
			Discipline Electives	3(min)			Discipline Electives	6(min)
			<b>16/19</b>				<b>19/22</b>	
IV			Open Electives	5 to 11	BITS	F412	Practice School-II	20
			Discipline Electives	3			Or	or
					BITS	F421T	Thesis	16
						Or		
						Thesis (9) and Electives (6 to 9)	15 to 18	
			<b>8/14</b>				<b>15/20</b>	