

### IV B. Tech – I Semester

S. No	Category	Course Code	Course Title	Hours per week			Credits	Scheme of Examination (Max. Marks)		
				L	T	P		CIE	SEE	Total
<b>Theory</b>										
1	PC	19APC0423	Digital Image Processing	3	0	0	3	30	70	100
2	PC	19APC0424	Electronic Measurements and Instrumentation	2	0	0	2	30	70	100
3	OE	19APC0510	Open Elective-III (Inter disciplinary)	Computer Networks			3	30	70	100
		19AOE0304		Robotics						
		19AOE0301		Management Science						
4	PE	19APE0407	Professional Elective-III	Radar Systems			3	30	70	100
		19APE0408		Digital System Design						
		19APE0409		RF System Design						
5	PE	19APE0410	Professional Elective-IV	Satellite Communication			3	30	70	100
		19APE0411		Embedded Systems						
		19APE0412		Digital IC Design						
6	HE	19AHE9901	Humanities Elective – II	Technical Writing			2	30	70	100
		19AHE9906		Effective Technical Communication						
<b>Practical</b>										
7	PC	19APC0427	Embedded Systems and UAV Laboratory	0	0	0	1	30	70	100
8	PR	19APR0405	Socially Relevant Projects (15 Hours/Semester)	0	0	0	0.5	50	-	50
9	PR	19APR0406	Industrial Training/Internship/Research Projects in National Laboratories/Academic Institutions	0	0	0	1.5	50	-	50
<b>TOTAL</b>							19	310	490	800

### IV B. Tech – II Semester

S. No	Category	Course Code	Course Title	Hours per week			Credits	Scheme of Examination (Max. Marks)		
				L	T	P		CIE	SEE	Total
<b>Theory</b>										
1	OE	19AOE0101	Open Elective – IV (Inter disciplinary) (MOOC-I)	Structural Health Monitoring			3	-	-	-
		19AOE0516		R Programming						
		19APE0208		Electricity and Safety Measures						
2	PE	19APE0413	Professional Elective-V (MOOC-II)	Electronic Systems for Cancer diagnosis			3	-	-	-
		19APE0414		Wireless Communications						
		19APE0415		Speech Processing						
<b>Practical</b>										
3	PR	19APR0407	Technical Paper Presentation/Seminars	0	0	0	0	50	-	50
4	PR	19APR0408	Project	0	0	0	9	60	140	200
<b>TOTAL</b>							15	110	140	250