

Programme: B. Tech/C.S.E.

Semester : II

Year : Jan 2018

Courses to be offered:

Course No.	Course Title	Course Type	L	T	P	Cr	Remarks
MA 102	Mathematics – II	SC	3	1	0	4	
EC 101	Basic Electronics	ESC	3	0	0	3	EE101
PH 101	Engineering Physics	SC	3	1	0	4	
ME 102	Engineering Thermodynamics	ESC	2	0	0	2	
ES 101	Environmental Science	SC	2	0	0	2	
CS 101	Computer Programming	ESC	2	1	0	3	
ME 103	Workshop Practice-I	ESC	0	0	4	2	
EC151	Basic Electronics Lab	ESC	0	0	2	1	
PH151	Engineering Physics Lab	SC	0	0	2	1	
CS151	Computer Programming Lab	ESC	0	0	2	1	
			15	3	10		
		Total		28		23	

Programme: B. Tech/C.S.E.

Semester : IV

Year : Jan 2018

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	L	T	P	Cr
CS 204	Computer Organization & Architecture	DC	CS 201		3	1	0	4
CS 205	Algorithms	DC	CS 202		3	1	0	4
CS 206	Database Systems	DC	CS 202		3	0	0	3
CS 208	Data Communication	DC	EC203		3	0	0	3
CSxxx	DE-II	DE			3	0	0	3
xxx	Science Elective (To be incorporated)	SE			3	0	0	3
CS254	Computer Organization & Architecture Laboratory	DC			0	0	2	1
CS255	Algorithms Laboratory	DC			0	0	2	1
CS256	Database Systems Laboratory	DC			0	0	2	1
CS258	Data Communication Laboratory	DC			0	0	2	1
					18	2	8	24
				Total		28		24

Open (II) Electives to be offered: (Departmental Elective)

C. No	Course Title	L	T	P	Cr	Prerequisites
CS 207	Principles of Programming Languages	3	0	0	3	CS 101
MA203	Scientific Computing	3	0	0	3	

Science Electives to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CS 209	Operations Research	3	0	0	3	x

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Semester : VI

Year : Jan 2018

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	Contact Hour			Cr
					L	T	P	
CS 304	Operating Systems	DC	CS 202, CS 204		3	0	2	4
CS 305	Software Engineering	DC	CS 206		3	0	2	4
CS 306	Compiler Design	DC	CS 303		3	0	2	4
CS nnn	DE-II	DE			3	0	2	4
XX nnn	OE-IV	OE			3	0	2	4
HS 302	Accounting and Financial Methods	HSC	HS 301		3	0	0	3
					18	0	10	
					28			23

Open Electives (IV) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CS 313	Embedded Systems	3	0	2	4	CS301
EC 312	Image Processing	3	0	0	3	

Departmental (II) Electives to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CS311	Object Oriented Programming & Design	3	0	2	4	CS 202

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Semester : VIII

Year : Jan 2018

Courses to be offered:

Course No.	Course Title	Course Type	Pre-Requisite Sub (PRS)	Pre-requisite Status	Contact Hour			Cr	Remarks
					L	T	P		
CS 402	Project-II	PW	x		0	0	16	8	
CS nnn	DE-V	DE			3	0	0	3	
CS nnn	DE-VI	DE			3	0	0	3	
XX nnn	OE-VI	OE			3	0	0	3	
					9	0	16	17	
					25			17	

Open Electives (VI) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CS 519	Cloud Computing	3	0	0	3	Computer Networks, Data Communication

Departmental (V & VI) Electives to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CS515	Distributed Computing	3	0	0	3	Intro to Algo
CS516	Data Warehousing and Data Mining	3	0	0	3	CS 205
CS522	Pattern Recognition	3	0	0	3	

Programme: M.Tech/C.S.E.**Semester : II****Year : Jan 2018****Courses to be offered:**

Course No.	Course Title	Course Type	Contact Hour			Credit	Prerequisites	Prerequisites Status	
			L	T	P				
CS 504	Theory of Computation	DC	3	0	0	3	Discrete Mathematics		
CS 51x	Elective III	DE	3	0	0	3			
CS 51x	Elective IV	DE	3	0	0	3			
CS 5xx	Elective V	DE	3	0	0	3			
CS 508	Minor Project	PW	0	0	4	2	x		
CS 507	Seminar	SE	0	0	2	1	x		
CS 506	Network Programming Laboratory	LAB	0	0	6	3	Computer Networks		
			12	0	12				
			24			18			

Electives (III, IV & V) to be offered:

C. No	Course Title	L	T	P	Cr	Prerequisites
CS516	Data Warehousing and Data Mining	3	0	0	3	CS 205
CS515	Distributed Computing	3	0	0	3	Introduction to Algorithms, Operating Systems, Computer Networks
CS519	Cloud computing	3	0	0	3	Computer Networks, Data Communication
CS522	Pattern Recognition	3	0	0	3	

Programme: M.Tech/C.S.E.**Semester : IV****Year : Jan 2018****Courses to be offered:**

Course No.	Course Title	Course Type	Contact Hour			Credit	Prerequisites
			L	T	P		
CS 604	Project II	PW	0	0	24	12	x
			24			12	