

II B.TECH.(4YDC) INFORMATION TECHNOLOGY

Semester : III

S. No.	Subject Category	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
				L	T	P	Th	Pr	Theory		Practical		Total
									Th.	CW	SW	Pr.	
1		IT28001	Object Oriented Programming	4	-	2	3	1	70	30	40	60	200
2	ESC	EC28006	Analog Electronics	4	-	2	3	1	70	30	40	60	200
3	ESC	IT28007	Digital Systems	4	-	2	3	1	70	30	40	60	200
4	BSC	MA28005	Mathematics - III	4	1	-	4	-	70	30	-	-	100
5	PCC	IT28008	Data Structures	4	-	2	3	1	70	30	40	60	200
6	PCC	IT28498	System Software Laboratory-I	-	-	2	-	1	-	-	40	60	100
7	HSMC	HU28481	Values, Humanity and Professional Ethics	0	3	0	2	-	0	100	-	-	100
			Total	20	4	10	18	5	350	250	200	300	1100
Optional Subject(s)													
7		OC-I	Open Category-I (Audit Only)	-	-	-	-	-	-	-	-	-	-

Semester : IV

S. No.	Subject Category	Subject Code	Subject Name	Periods per Week			Credits		Max Marks				
				L	T	P	Th	Pr	Theory		Practical		Total
									Th.	CW	SW	Pr.	
1	PCC	IT28501	Discrete Structures	4	-	-	3	-	70	30	-	-	100
2	PCC	IT28506	Computer Organization & Architecture	4	-	2	3	1	70	30	40	60	200
3	PCC	IT28503	Software Engineering	4	-	2	3	1	70	30	40	60	200
4	ESC	EC28553	Communication Engineering	4	-	-	3	-	70	30	-	-	100
5		HU28507	Economics for Engineers	4	-	-	3	-	70	30	-	-	100
6		IT28841	Systems Programming	-	2	2	-	3	-	-	40	60	100
7	PCC	IT28998	System Software Laboratory – II	-	-	2	-	1	-	-	40	60	100
8		IT28999	Scientific Computing	-	-	2	-	1	-	-	40	60	100
			Total	20	2	10	15	7	350	150	200	300	1000
Optional Subject(s)													
9		OC-II	Open Category-II (Audit Only)	-	-	-	-	-	-	-	-	-	-

Two weeks training during semester break after semester IV is mandatory.

III B.Tech.(4YDC) INFORMATION TECHNOLOGY

SEMESTER - V

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credi	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1		IT38001	Computer Networks	4	-	2	3	1	70	30	40	60	200
2		IT38002	Theory of Computation	4	1	-	4	-	70	30	-	-	100
3		IT38003	Operating Systems	4	-	2	3	1	70	30	40	60	200
4		IT38007	Design and Analysis of Algorithms	4	-	2	3	1	70	30	40	60	200
5		IT38005	Artificial Intelligence	4	-	-	3	-	70	30	-	-	100
6		IT38452	System Software Laboratory-III	-	-	2	0	1	-	-	40	60	100
7		IT38481	Industrial Training	-	-	-	-	2	-	-	100	-	100
Total				20	1	8	16	6	350	150	260	240	1000
Optional Subject(s)													
8		OC-III	Open Category-III (Audit Only)	-	-	-	-	-	-	-	-		

SEMESTER - VI

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credi	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1		IT38501	Distributed Computing	4	-	2	3	1	70	30	40	60	200
2		IT38513	DataBase Management Systems	4		2	3	1	70	30	40	60	200
3		IT38504	Web Engineering	4	-	2	3	1	70	30	40	60	200
4		IT38506	Compiler Design	4	-	2	3	1	70	30	40	60	200
5		IT38509	Advanced Computer Networks	4	-	2	3	1	70	30	40	60	200
6		IT38951	System Software Laboratory-IV	-	-	2	0	1	-	-	40	60	100
Total				20	0	12	15	6	350	150	240	360	1100
Optional Subject(s)													
7		OC-IV	Open Category-IV (Audit Only)	-	-	-	-	-	-	-	-		

Two weeks training during semester break after semester VI is mandatory.

IV B.Tech.(4YDC) INFORMATION TECHNOLOGY

SEMESTER - VII

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credi	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1		IT48052	Information Security	4	-	2	3	1	70	30	40	60	200
2		IT48001	Airtificial Intelligence	4	-		3	0	70	30	0	0	100
3		IT48051	Data Mining & Data Warehousing	4	-	2	3	1	70	30	40	60	200
4			Elective-I	4	-	2	3	1	70	30	40	60	200
5			Elective-II	4	-	2	3	1	70	30	40	60	200
6		IT48481	Seminar			2		1	0	0	100	0	100
7		IT48499	Major Project Phase-I (AB group)	-	-	4	0	2	0	0	40	60	100
8		IT48999	Major Project Phase-II (BA group)	-	-	12	0	6					
Total			For AB Group	20	0	14	15	7	350	150	300	300	1100
Total			For BA Group	20	0	22	15	11	350	150	300	300	1100
Optional Subject(s)													
9			Open Category-V (Audit Only)	-	-	-	-	-	-	-	-		

SEMESTER - VIII

S. No.	Subject Category	Sub. Code	Subject	Periods per Week			Th. Credi	Pr. Credit	Maximum Marks				
				L	T	P			Th.	CW	SW	Pr.	Total
1			Elective-III	4	-	2	3	1	70	30	40	60	200
2			Elective-IV	4	-	2	3	1	70	30	40	60	200
3		IT48881	Industrial Training/Internship/Seminar*	-	-	-	-	8	-	-	100	-	100
4		IT48999	Major Project Phase-II (AB group)	-	-	12	0	6	0	0	40	60	100
5		IT48499	Major Project Phase-I (BA group)	-	-	4	0	2					
Total			For AB Group	8	0	16	6	16	140	60	220	180	600
Total			For BA Group	8	0	8	6	12	140	60	220	180	600

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Elective I		SEMESTER - VII	
S.No.		Sub. Code	Subject
1		IT48201	Advanced Computer Architecture
2		IT48225	Advanced Computer Networks(IT4825)
3		IT48226	Computer Graphics and Multimedia Systems
4		IT48202	Parellel Distributed Algorithms

Elective II		SEMESTER - VII	
S.No.		Sub. Code	Subject
1		IT48330	Cloud Computing(IT4830)
2		IT48301	Soft Computing
3		IT48302	Internet of Things
4		IT48303	Advanced Operating Systems

Elective III		SEMESTER - VIII	
S.No.		Sub. Code	Subject
1		IT48601	Big Data Analytics
2		IT48603	Image Processing
3		IT48602	Cyber Securities and IT Laws
4		IT48604	Wirless Network Systems
5		IT48605	Information Retrieval

Elective IV		SEMESTER - VIII	
S.No.		Sub. Code	Subject
1		IT48702	Management Information Systems
2		IT48776	Software Project Management(IT4876)
3		IT48703	Simulation & Modeling
4		IT48704	Information Theory & Coding
5		IT48701	Machine Learning