

Semester : III														
S.No.	Subject Category	Subject Code	Subject Name	Hours/Week			Credits		Maximum Marks				Total Marks	Total Credits
				L	T	P	T	P	Theory		Practical			
									Th.	CW	Pr.	SW		
1	BSC	MA28	Mathematics - III	3	1	-	4	-	70	30	-	-	100	4
2	PCC	IT28	Data Structures	3	1	-	4	-	70	30	-	-	100	4
3	PCC	IT28	Object Oriented Programming	3	-	-	3	-	70	30	-	-	100	3
4	PCC	IT28	Computer Organization & Architecture	3	-	-	3	-	70	30	-	-	100	3
5	ESC	EC28	Digital System Design	3	-	-	3	-	70	30	-	-	100	3
6	HSMC	HU28	Values, Humanities and Professional Ethics	-	2	-	2	-	-	100	-	-	100	2
7	PCC	IT28	Data Structures Lab	-	-	2	-	1	-	-	60	40	100	1
8	PCC	IT28	Object Oriented Programming Lab	-	-	2	-	1	-	-	60	40	100	1
9	ESC	EC28	Digital System Design Lab	-	-	2	-	1	-	-	60	40	100	1
10	PCC	IT28	Basic Linux & Shell Programming	-	-	2	-	1	-	-	60	40	100	1
11	MC		Environmental Science*	2	-	-	-	-	-	50	-	-	50	0
<b>Total</b>				<b>17</b>	<b>4</b>	<b>8</b>	<b>19</b>	<b>4</b>	<b>350</b>	<b>300</b>	<b>240</b>	<b>160</b>	<b>1050</b>	<b>23</b>

\* Mandatory non credit course

Semester : IV														
S.No.	Subject Category	Subject Code	Subject Name	Hours/Week			Credits		Maximum Marks				Total Credits	
				L	T	P	T	P	Theory		Practical			
									Th.	CW	Pr.	SW		
1	PCC	IT28	Discrete Structures	3	1	-	4	-	70	30	-	-	100	4
2	PCC	IT28	Design and Analysis of Algorithms	3	1	-	4	-	70	30	-	-	100	4
3	PCC	IT28	Software Engineering	3	-	-	3	-	70	30	-	-	100	3
4	HSMC	HU28	Economics for Engineers	3	-	-	3	-	70	30	-	-	100	3
5	ESC	EC28	Digital and Data Communication	3	-	-	3	-	70	30	-	-	100	3
6	PCC	IT28	Design and Analysis of Algorithms Lab	-	-	2	-	1	-	-	60	40	100	1
7	PCC	IT28	Software Engineering Lab	-	-	2	-	1	-	-	60	40	100	1
8	PCC	IT28	Python Programming Lab	-	-	2	-	1	-	-	60	40	100	1
9	PCC	IT28	Skill Lab-I (Web Programming)	-	1	2	-	2	-	-	60	40	100	2
10	MC	HU28	Essence of Indian Knowledge Tradition*	2	-	-	-	-	-	50	-	-	50	0
<b>Total</b>				<b>17</b>	<b>3</b>	<b>8</b>	<b>17</b>	<b>5</b>	<b>350</b>	<b>200</b>	<b>240</b>	<b>160</b>	<b>950</b>	<b>22</b>

\* Mandatory non credit course

Diploma in Information Technology will be awarded after acquiring additional 10 credit out of which 06 credit as three months industrial training within five years

\*\* 2 weeks training during semester break after IV sem is mandatory.

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06/08/2024


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**III B.Tech.(4YDC) INFORMATION TECHNOLOGY**

<b>SEMESTER - V</b>													
S.No.	Subject Category	Subject Code	Subject	Periods per Week*			Th. Credit	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	-	1	-	-	40	60	100
7		IT38481	Industrial Training	-	-	-	-	2	-	-	100	-	100
8		HUM2001	Constitution of India	-	2	-	-	-	-	50	-	-	50
<b>Total</b>				20	3	8	16	6	350	200	260	240	1050

<b>SEMESTER - VI</b>													
S.No.	Subject Category	Subject Code	Subject	Periods per Week*			Th. Credit	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	-	1	-	-	40	60	100
<b>Total</b>				20	0	12	15	6	350	150	240	360	1100

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

Head,   
 Department of Information Technology  
 2024

## IV B.Tech.(4YDC) INFORMATION TECHNOLOGY

SEMESTER - VII													
S.No.	Subject Category	Subject Code	Subject	Periods per Week			Th. Credit	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		IT48051	Data Mining & Data Warehousing	4	-	2	3	1	70	30	40	60	200
3			<b>Elective-I</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>70</b>	<b>30</b>	<b>-</b>	<b>-</b>	<b>100</b>
4			Elective-II	4	-	2	3	1	70	30	40	60	200
5		IT48482	Industrial Training	-	-	-	-	2	-	-	100	-	100
6		IT48498	Major Project Phase-I ( AB group)	-	-	8	-	4	-	-	40	60	100
7		IT48998	Major Project Phase-II ( BA group)	-	-	8	-	4					
<b>Total</b>			For AB Group	16	0	14	12	9	280	120	260	240	900
			For BA Group	16	0	14	12	9	280	120	260	240	900

## SEMESTER - VIII

S.No.	Subject Category	Subject Code	Subject	Periods per Week			Th. Credit	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		IT48882	Industrial Training/Internship	-	-	8	-	4	-	-	100	-	100
4		IT48998	Major Project Phase-II ( AB group)	-	-	8	-	4	-	-	40	60	100
5		IT48498	Major Project Phase-I ( BA group)	-	-	8	-	4	-	-			
<b>Total</b>			For AB Group	8	0	20	6	10	140	60	220	180	600
			For BA Group	8	0	20	6	10	140	60	220	180	600

Student require to complete 06 weeks of industrial training/internship during the semester break.


Head,

 Department of Information  
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 06/09/2024

## IV B.Tech.(4YDC) INFORMATION TECHNOLOGY

## List of Electives

Elective I			SEMESTER - VII
S.No.	Subject Category	Subject Code	Subject
1		IT48203	Wireless Network Systems
2		IT48216	Computer Graphics & Multimedia Systems
3		IT48211	Advanced Computer Architecture
4		IT48212	Parallel Distributed Algorithms
5		IT48204	Object Oriented Analysis And Design
Elective II			SEMESTER - VII
S.No.	Subject Category	Subject Code	Subject
1		IT48330	Cloud Computing
2		IT48301	Soft Computing
3		IT48302	Internet of Things
4		IT48303	Advanced Operating Systems

  
 06/08/2024  
 Head,  
 Department of Information Technology,  
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