

Programmes Offered
Department of Information Technology

F.Y.B.Sc.I.T

No. of Courses	Semester I	Credits	No. of Courses	Semester II	Credits
A	<i>Discipline Specific Course (Major)</i>		A	<i>Discipline Specific Course (Major)</i>	
1	Introduction to C++ Programming	03+01	1	Fundamentals of Python Programming	03+01
2	Computer Organization & Design	03+01	2	Database Management System	
3	Statistical Methods	03+1	3	Linear Algebra	
B	<i>Skill Enhancement Course (SEC)</i>		B	<i>Skill Enhancement Course (SEC)</i>	
4	Introduction to Web Designing	02	4	Advanced Web Programming	02
C	<i>Open Elective (OE)</i>		C	<i>Open Elective (OE)</i>	
5	-		5	Introduction to Multimedia	02
D	<i>Value Education Course VEC (Any One)</i>		D	<i>Value Education Course VEC (Any One)</i>	
7	Understanding India	02	7	Understanding India	02
8	Environmental Studies	02	8	Environmental Studies	02
E	<i>Ability Enhancement Course (AEC) (Any One)</i>		E	<i>Ability Enhancement Course (AEC) (Any One)</i>	
9	Communication Skills in Marathi	02	9	Writing Skills in Marathi	02
10	Communication Skills in Hindi	02	10	Communication Skills in Hindi	02
F	<i>Indian Knowledge System</i>		F	-	-
11	*****	02	11	-	-
G	<i>Co-curricular Courses (Any One)</i>		G	<i>Co-curricular Course (Any One)</i>	
12	F.C.in National Service Scheme (NSS)-I	02	12	F.C.in National Service Scheme (NSS)-II	02
13	F.C.in National Cadet Corps (NCC)-I	02	13	F.C.in National Cadet Corps (NCC)-II	02
14	F.C.in Physical Education (PE)-I	02	14	F.C.in Physical Education (PE)-II	02
15	F.C. in Performing Arts (PA)-I	02	15	F.C. in Performing Arts (PA)-II	02
Total Credits		22	Total Credits		

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S.Y.B.Sc.I.T

No. of Courses	Semester III	Credits	No. of Courses	Semester IV	Credits
A	Discipline Specific Course (Major)		A	Discipline Specific Course (Major)	
1	Advanced Python Programming	02	1	Core Java	02
2	Advanced SQL	02	2	Operating System	02
3	IKS (Indian Knowledge System)	02	3	Software Engineering	02
	Practical based on A1 and A2	02		Practical based on A1 and A2	02
B	Discipline Specific Course (Minor) <i>(Select one, in continuation of Sem 2 minor)</i>		B	Discipline Specific Course (Minor) <i>(Select one, in continuation of Sem 2 minor)</i>	
4	Computer Network	02	4	Data Structure	02
	Practical based on Computer Network	02		Practical based on Data Structure	02
C	Open Elective <i>(Any one from the OE List)</i>		C	Open Elective <i>(Any one from the OE List)</i>	
4	Introduction to Mobile App Development	04	4	Introduction to AI tools with MS Office Suite	04
D	Skill Enhancement Course		D	Skill Enhancement Course	
5	Mobile App Development	02		XXXXXXXXXXXXXXXXXXXXXXXXX	x
E	Ability Enhancement Courses		F	Ability Enhancement Courses	
6	Communication Skill-English	02	6	Communication Skill – English	02
F	Foundation Course in NSS/ NCC/ PE / PA		G	Foundation Course in NSS/ NCC/ PE / PA	
7	Give your preference of choice to subjects from Basket of Co-curricular Course	02	7	Give your preference of choice to subjects from Basket of Co-curricular Course	02
G	OJT/FP/CEP/RP			OJT/FP/CEP/RP	
8	XXXXXXXXXXXXXXXXXXXXXXXXX	x	8	Community Engagement Project	
Total Credits		22	Total Credits		22

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T.Y.B.Sc.I.T

No. of Courses	Semester V	Credits	No. of Courses	Semester VI	Credits
A	<i>Discipline Specific Course (Major)</i>		A	<i>Discipline Specific Course (Major)</i>	
1	Ethical Hacking	03	1	Security in Computing	03
2	Big Data	03	2	Artificial Intelligence	03
3	Enterprise Java	03	3	Machine Learning	03
4	Ethical Hacking Practical + Big Data Practical + Enterprise Java Practical	03	4	Security in Computing Practical + Artificial Intelligence Practical+ Machine Learning Practical	03
5	Software Project Management	02	-	-	-
B	<i>Discipline Specific Course (Elective) (Students will select any 1 out of 2)</i>		B	<i>Discipline Specific Course (Elective) (Students will select any 1 out of 2)</i>	
6	Internet of Things	01	5	Prompt Engineering	01
	Internet of Things Practical	01		Prompt Engineering Practical	01
	Wireless Technology	01		Blockchain	01
	Wireless Technology Practical	01		Blockchain Practical	01
C	VSC		C	VSC	
7	.Net Core	02	6	React	02
8	.Net Core Practical	02	7	React Practical	02
D	OJT/FP/CEP/RP		D	OJT/FP/CEP/RP	
9	FieldProject	2	8	On Job Training	04
Total Credits		22	Total Credits		22