

SWAMI VIVEKANAND UNIVERSITY, SIRONJA, SAGAR (M.P.)



SCHEME

For

**BACHELOR OF TECHNOLOGY (B.Tech)
Information Technology Engineering**

Course Code : BTIT

Department of Information Technology Engineering

Faculty of Engineering

Duration of Course : 4 Years

Examination Mode : Semester

Examination System : Grading

Swami Vivekanand University, Sironja Sagar (M.P.)

2016-2017



Swami Vivekanand University, Sagar(M.P.)

Faculty : Engineering

Department : Information Technology

Scheme of Course : B.Tech. - Information Technology

Course Code : BTIT

WEF 2016-2017



Semester III Branch -Information Technology

Subject Wise Distribution of Marks And Corresponding Credits

S.N	Title of the Paper / Subject	Title of the Paper / Subject	Credits				Maximum Marks Allotted											Remark	
			Allotted Subject wise				Theory Slot					Practical Slot					Grand Total Marks (I = D+H)		
			Period per week			Total Credits	End		Internal		Total (D=A+B+C)	End Sem.		Internal		Total (H=E+F+G)			
			L	T	P		Max (A)	Min	TW (B)	MST (C)		Max (E)	Min	LW (F)	PQ (G)				
1	BTIT-0301	Mathematics -II	3	1	-	4	70	22	20	10	100	-	-	-	-	100			
2	BTIT-0302	Discrete Structures	3	1	-	4	70	22	20	10	100	-	-	-	-	100			
3	BTIT-0303	OOPs Methodology	3	1	2	6	70	22	20	10	100	30	09	10	10	50		150	
4	BTIT-0304	Electronics Devices & Circuits	3	1	2	6	70	22	20	10	100	30	09	10	10	50		150	
5	BTIT-0305	Data Structures & Algorithm	3	1	2	6	70	22	20	10	100	30	09	10	10	50		150	
6	BTIT-0306	Computer Programming (Java Technologies)	0	0	2	2	-	-	-	-	-	30	09	10	10	50		50	
7	BTIT-0307	Self Study (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	50	50	50		50	Grand
8	BTIT-0308	Seminar / Group Discussion (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	50	50	50		50	Total
		Total	15	5	12	32	350		100	50	500	120	-	40	140	300	800	800	

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical



Swami Vivekanand University, Sagar(M.P.)

Faculty : Engineering

Department : Information Technology

Scheme of Course : B.Tech. - Information Technology

Course Code : BTIT

WEF 2016-2017



Semester IV Branch - Information Technology

Subject Wise Distribution Of Marks And Corresponding Credits

S.N	Title of the Paper / Subject	Title of the Paper / Subject	Credits				Maximum Marks Allotted											Remark	
			Allotted Subject wise				Theory Slot						Practical Slot						Grand Total Marks (I = D+H)
			Period per week			Total Credits	End		Internal		Total (D=A+B+C)	End Sem.		Internal		Total (H= E+F+G)			
			L	T	P		Max (A)	Min	TW (B)	MST (C)		Max (E)	Min	LW (F)	PQ (G)				
1	BTIT-0401	Mathematics III	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100	-	
2	BTIT-0402	Computer System Organization	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100		
3	BTIT-0403	Data Base Management System	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150		
4	BTIT-0404	Analysis Design & Algorithm	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150		
5	BTIT-0405	Analog and Digital Comm.	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150		
6	BTIT-0406	Dot net	0	0	2	2	-	-	-	-	-	30	09	10	10	50	50		
7	BTIT-0407	Self Study (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50		
8	BTIT-0408	Seminar / Group Discussion (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50	Grand	
		Total	15	5	12	32	350	-	100	50	500	120	-	40	140	300	800	800	

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical



Swami Vivekanand University, Sagar(M.P.)

Faculty : Engineering

Department : Information Technology

Scheme of Course : B.Tech. - Information Technology

Course Code : BTIT

WEF 2016-2017



Semester V Branch - Information Technology

Subject Wise Distribution Of Marks And Corresponding Credits

S.N	Title of the Paper / Subject	Title of the Paper / Subject	Credits			Maximum Marks Allotted												Remark
			Allotted Subject wise			Theory Slot						Practical Slot						
			Period per week			Total	End		Internal		Total	End Sem.		Internal		Total (H= E+F+G)	Grand Total Marks (I = D+H)	
			L	T	P	Credits	Max (A)	Min	TW (B)	MST (C)	(D=A+B+C)	Max (E)	Min	LW (F)	PQ (G)			
1	BTIT-0501	Data Communication	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150	-
2	BTIT-0502	Information Storage and Management	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100	
3	BTIT-0503	Computer Networks	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150	
4	BTIT-0504	System Programming and operating system	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150	
5	BTIT-0505	Java Programming	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100	
6	BTIT-0506	Java Programming Lab	0	0	2	2	-	-	-	-	-	30	09	10	10	50	50	
7	BTIT-0507	Self study (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50	
8	BTIT-0508	Seminar / Group Discussion (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50	
		Total	15	5	12	32	350	-	100	50	500	120	-	40	140	300	800	Grand 800

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical



Swami Vivekanand University, Sagar(M.P.)

Faculty : Engineering

Department : Information Technology

Scheme of Course : B.Tech. - Information Technology

Course Code : BTIT

WEF 2016-2017



Semester VI Branch - Information Technology Subject Wise Distribution Of Marks And Corresponding Credits

S.N	Title of the Paper / Subject	Title of the Paper / Subject	Credits				Maximum Marks Allotted												Remark	
			Allotted Subject wise				Theory Slot						Practical Slot							Grand Total Marks (I = D+H)
			Period per week			Total Credits	End		Internal		Total (D=A+B+C)	End Sem.		Internal		Total (H= E+F+G)				
			L	T	P		Max (A)	Min	TW (B)	MST (C)		Max (E)	Min	LW (F)	PQ (G)					
1	BTIT-0601	Distributed Systems	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150			
2	BTIT-0602	Computer Graphics & Multimedia	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150			
3	BTIT-0603	Internet Technology & Network Management	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100			
4	BTIT-0604	Web Technology	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150			
5	BTIT-0605	Software Engineering & Project Management	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100			
6	BTIT-0606	Software Engineering Lab	0	0	2	2	-	-	-	-	-	30	09	10	10	50	50			
7	BTIT-0607	Self Study (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50			
8	BTIT-0608	Seminar / Group Discussion (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50	Grand		
		Total	15	5	12	32	350	-	100	50	500	120	-	40	140	300	800	800		

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical



Swami Vivekanand University, Sagar(M.P.)

Faculty : Engineering

Department : Information Technology

Scheme of Course : B.Tech. - Information Technology

Course Code : BTIT

WEF 2016-2017



Semester VII Branch - Information Technology

Subject Wise Distribution Of Marks And Corresponding Credits

S. N	Title of the Paper / Subject	Title of the Paper / Subject	Credits				Maximum Marks Allotted											Remark	
			Allotted Subject wise				Theory Slot						Practical Slot						Grand Total Marks (I = D+H)
			Period per week			Total Credits	End		Internal		Total	End Sem.		Internal		Total (H= E+F+G)			
			L	T	P		Max (A)	Min	TW (B)	MST (C)		Max (E)	Min	LW (F)	PQ (G)				
1	BTIT-0701	Object Oriented Analysis and Design	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150		
2	BTIT-0702	Wireless & Mobile Computing	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100		
3	BTIT-0703	Cloud Computing	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150		
4	BTIT-0704	Elective -I (Refer Table Below)	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100		
5	BTIT 0705	Elective -II (Refer Table Below)	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100		
6	BTIT-0706	Minor Project	0	0	4	4	-	-	-	-	-	60	09	20	20	100	100		
7	BTIT-0707	Industrial Training (2 Week)	0	0	2	2	-	-	-	-	-	30	09	10	10	50	50		
8	BTIT-0708	Self Study (Internal Assessment Seminar / Group Discussion)	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50		
		Total	15	5	12	32	350	-	100	50	500	150	-	50	100	300	800	800	

MST: Mid Semester Tests Taken at Least twice Per Semester

L: Lecture - T: Tutorial - P: Practical

Elective –I

- BTIT 0704(A) –Advanced Concepts In Database Systems
- BTIT 0704(B) – Simulation & Modeling
- BTIT 0704(C) – Human-Computer Interaction
- BTIT 0704(D) – Automata and Compiler Design

Elective –II

- BTIT- 0705(A) – Embedded System
- BTIT- 0705(B) – e-Commerce and Governance
- BTIT- 0705(C) – High Performance Computing
- BTIT- 0705(D) – Bioinformatics



Swami Vivekanand University, Sagar(M.P.)

Faculty : Engineering

Department : Information Technology

Scheme of Course : B.Tech. - Information Technology

Course Code : BTIT

WEF 2016-2017



Semester VIII Branch -Information Technology Subject Wise Distribution Of Marks And Corresponding Credits

S.N	Title of the Paper / Subject	Title of the Paper / Subject	Credits				Maximum Marks Allotted											Grand Total Marks (I = D+H)	Remark
			Allotted Subject wise				Theory Slot					Practical Slot							
			Period per week			Total Credits	End		Internal		Total (D=A+B+C)	End Sem.		Internal		Total (H=E+F+G)			
			L	T	P		Max (A)	Min	TW (B)	MST (C)		Max (E)	Min	LW (F)	PQ (G)				
1	BTIT-0801	Information Security	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150	Grand Total 800	
2	BTIT-0802	Soft Computing	3	1	2	6	70	22	20	10	100	30	09	10	10	50	150		
3	BTIT-0803	Elective -III (Refer Table Below)	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100		
4	BTIT-0804	Elective -IV (Refer Table Below)	3	1	-	4	70	22	20	10	100	-	-	-	-	-	100		
5	BTIT-0805	Major Project	-	-	8	8	-	-	-	-	-	120	36	40	40	200	200		
6	BTIT-0806	Self Study (Internal Assessment)	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50		
7	BTIT-0807	Seminar / Group Discussion	0	0	2	2	-	-	-	-	-	-	-	-	50	50	50		
		Total	12	4	16	32	280	-	80	40	500	180	-	60	160	300	800		

MST: Mid Semester Tests Taken at Least twice per Semester

L: Lecture - T: Tutorial - P: Practical

Elective –I

- BTIT– 0803(A) Component Based Software Engineering
- BTIT – 0803(B) Real Time Systems
- BTIT – 0803(C) Image processing
- BTIT – 0803(D) Artificial Intelligence

Elective –I

- BTIT – 0804(A) Data Mining & Warehousing
- BTIT – 0804(B) Cyber law & Forensic
- BTIT – 0804(C) Ad-hoc Network
- BTIT – 0804(D) Quantum computing