

M.S. Software Systems

Type of Input: Employed professionals in information technology industries with minimum 1 year experience and holding an Integrated First Degree of BITS or its equivalent with adequate background in Mathematics. Employer consent with suitable mentor availability will be additional requirements.

Duration Normally Four Semesters

Special Feature: This is a specially designed Work-Integrated Learning Programme for catering to the Human Resource Development requirements of a diverse spectrum of information technology industries.

Semesterwise pattern for students admitted in the First Semester of the academic session

Year	First Semester	U	Second Semester	U
I	BITS ZC481 Computer Networks Or	3	EA ZC473 Multimedia Computing Or	3
	IS ZC462 Network Programming		IS ZC424 Software for Embedded Systems	
	SS ZG514 Object Oriented Analysis & Design Or	4	SS ZG513 Network Security Or	4
	SS ZG531 Pervasive Computing		EEE ZG512 Embedded System Design	
	SS ZG562 Software Engineering & Management Or	5	SS ZG516 Computer Organization & Software Systems Or	5
	SS ZG515 Data Warehousing		Advanced Operating Systems	
	IS ZC361 Data Structures & Algorithms Or	3	CS ZG623 Database Systems & Applications Or	3
	EA ZC451 Internetworking Technologies		IS ZC332 Data Mining	
	Total	15	Total	12
II	SS ZG653 Software Architectures Or	5	BITS ZG629T Dissertation	20
	BITS ZG553 Real Time Systems			
	SS ZG514 Object Oriented Analysis & Design Or	4		
	SS ZG531 Pervasive Computing			
	SS ZG562 Software Engineering & Management Or	5		
SS ZG515 Data Warehousing				
BITS ZG659 Technical Communication	4			
	Total	18	Total	20

Note: This is the currently operative pattern as approved by the Senate-appointed committee, subject to change if the situation warrants.

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Semesterwise pattern for students admitted in the Second Semester of the academic session

Year	First Semester	U	Second Semester	U
I			BITS ZC481 Computer Networks Or	3
			IS ZC462 Network Programming SS ZG514 Object Oriented Analysis & Design SS ZG516 Computer Organization & Software Systems Or	4
			Advanced Operating Systems CS ZG623 Database Systems & Applications Or	5
			IS ZC332 Data Mining Or	3
			IS ZC415	3
			Total	15
II	SS ZG653 Software Architectures Or	5	EA ZC473 Multimedia Computing Or	3
	BITS ZG553 Real Time Systems SS ZG531 Pervasive Computing	4	IS ZC424 Software for Embedded Systems SS ZG513 Network Security Or	4
	SS ZG562 Software Engineering & Management Or	5	EEE ZG512 Embedded System Design SS ZG562 Software Engineering & Management Or	5
	SS ZG515 Data Warehousing IS ZC361 Data Structures & Algorithms Or	3	SS ZG515 Data Warehousing BITS ZG659 Technical Communication	4
	EA ZC451 Internetworking Technologies			
	Total	17	Total	16
III	BITS ZG629T Dissertation	20		
	Total	20		

Note: This is the currently operative pattern as approved by the Senate-appointed committee, subject to change if the situation warrants.