



Structure & Contents for B.C.A. in School of Engineering and Technology Program (AY 2023-24) R1

FET – Faculty Evaluation Theory; FEP - Faculty Evaluation Practical; MID - Mid Semester Examination; ESE – End Semester Examination; Au - Audit Course



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Structure for Second Year Odd Semester (Semester III)									
Course Code	Course Title	L	T	P	C		Evaluation Scheme		
						Component	Exam	WT	Min. Pass %
BCA012301 Version: 2.0	IT Project Management	3	1	-	4	Theory 100Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA012302 Version: 2.0	Relational Database Management System	3	-	-	3	Theory 100Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA012303 Version: 2.0	Programming Using Java	3	-	-	3	Theory 100Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA012304 Version: 2.0	Design and Implementation of Algorithms	3	1	-	4	Theory 100Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA012305 Version: 2.0	Software Quality Assurance And Testing	3	1	-	4	Theory 100Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA012306 Version: 2.0	Java Programming Lab	-	-	4	2	Practical 100Marks	FEP	50	40
							POE	50	40
BCA012307 Version: 2.0	RDBMS Lab	-	-	4	2	Practical 100Marks	FEP	50	40
							POE	50	40
Total		15	3	8	20	Total Hours: 26, Total Credits: 22			

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Structure for Third Year Odd Semester (Semester V)									
Course Code	Course Title	L	T	P	C		Evaluation Scheme		
						Component	Exam	WT	Min. Pass %
BCA013501 Version: 2.0	C# Programming	3	-	-	3	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013502 Version: 2.0	Mobile Application Development	3	-	-	3	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013503E_ Version: 2.0	Elective - I	3	-	-	3	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013505 Version: 2.0	E-Commerce Technology	3	-	-	3	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013506 Version: 2.0	C# Programming Lab	-	-	4	2	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013507 Version: 2.0	Mobile Application Development Lab	-	-	4	2	Practical 100 Marks	FEP	50	40
							POE	50	40
BCA013508 Version: 2.0	Major Project Phase - I	-	-	6	3	Practical 100 Marks	FEP	50	40
							POE	50	40
Total		12	0	14	19	Total Hours: 26, Total Credits: 19			
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	Networking	AI	Applications	Information Security
Elective – I BCA013503E	Internet of Things	Data Mining and Warehousing	Simulation and Modeling	Cyber Security



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Structure for Third Year Even Semester (Semester VI)									
Course Code	Course Title	L	T	P	C		Evaluation Scheme		
						Component	Exam	WT	Min. Pass %
BCA013401 Version: 2.0	Data Science	3	-	-	3	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013402 Version: 2.0	Advanced Web Development	3	-	-	3	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013403E_ Version: 2.0	Elective - II	3	-	-	3	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013404 Version: 2.0	Data Science Lab	-	-	4	2	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013405 Version: 2.0	Advanced Web Development Lab	-	-	4	2	Theory 100 Marks	FET	20	40
							MSE	30	
							ESE	50	40
BCA013406 Version: 2.0	Major Project Phase - II	-	-	12	6	Practical 100 Marks	FEP	50	40
							POE	50	40
Total		09	0	20	19	Total Hours: 29, Total Credits:19			
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	Networking	AI	Applications	Information Security
Elective – II BCA 003403E	Cloud Computing	Business Analytics	Storage and Data Center	Ethical Hacking