Name of the Programme: MBA Tech Computer Engineering | **Year of the Programme: Second Year** | **Semester: III**

Sr. No.	Module / Subject Code	Name of the Module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs) Written	Mode of Exam Only ICA	Mode of Exam Written / OffLine/Online/Computer based / Practical/Viva /Jury/Presentation	ICA Test I	ICA Test II	ICA Term work*	ICA Total Marks	ICA Scaled to (Marks)	TEE Marks	TEE Scaled to (Marks)	Total Marks	Total Weightage %	Template Codes	GR Applicable (yes/No)	Remarks
Semester III																						
1	MBCO03009	Mathematics III	3	1	0	60	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
2	MBCO03013	Digital Logic Design	3	0	2	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
3	MBCO03010	Discrete Mathematics	3	1	0	60	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4	MBCO03011	Data Structures	3	0	2	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
6	MBCO03012	Object Oriented Programming	3	0	2	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
7	MBAB03106	Principles of Economics and Management	3	0	0	45	3	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
8	MBCO03014	Environmental Studies	2	0	0	30	0	--	Only ICA	--	10	10	30	50	50	--	--	50	100	7032	No	
		Total	**20**	**2**	**6**	**420**	**23**				**70**	**70**	**210**	**350**	**350**	**600**	**300**	**650**				
Semester IV																						
1	MBCO04013	Elements of Biology	3	1	0	60	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
2	MBCO04008	Computer Organization and Architecture	3	0	0	45	3	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
3	MBCO04012	Operating System	3	0	2	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4	MBCO04009	Theoretical Computer Science	3	1	0	60	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
5	MBCO04010	Database Management System	3	0	2	75	4	3	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
6	MBCO04011	Programming Language	2	0	2	60	3	--	Only ICA	--	10	10	30	50	50	--	--	50	100	7032	No	
7	MBAB04106	Presentation and Communication Techniques	2	0	0	30	2	--	Yes	Offline, Computer Based	10	10	30	50	50	--	--	50	100	7032	No	
		Total	**19**	**2**	**6**	**405**	**24**				**70**	**70**	**210**	**350**	**350**	**500**	**250**	**600**				

*Term Work = Viva / Presentations/ Journals/ assignments/ quizes / MCQs/Business plans/Role plans etc.

Name of the Programme: MBA Tech Computer Engineering — **Year of the Programme: Third Year** — **Semester: V**

Sr. No.	Module / Subject Code	Name of the Module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs) Written	Only ICA	Mode of Exam Written / OffLine/Online/Computer based / Practical/Viva /Jury/ Presentation	ICA Test I	ICA Test II	ICA Term work*	ICA Total Marks	ICA Scaled to (Marks)	TEE Marks	TEE Scaled to (Marks)	Total Marks	Total Weightage %	Template Codes	GR Applicable (yes /No)	Remarks
1		Design and Analysis of Algorithms	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
2		Image Processing	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
3		Computer Networks	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4		Data Mining	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
5		Department Elective-I	3	2	0	75	4	3 Hrs		Written	10	10	30	50	50	100	50	100	100	7031	Yes	
6		Web Programming	2	2	0	60	3	2 Hrs	--	Practical	10	10	30	50	50	50	50	100	100	7032	No	NUE
7		Professional Ethics and Legal Aspects	2	0	0	30	2	-	Only ICA	-	10	10	30	50	50	0	0	50	100	7031	Yes	
		Total	**19**	**12**	**0**	**465**	**25**				**70**	**70**	**210**	**350**	**350**	**550**	**300**	**650**	**700**			

Name of the Programme: MBA Tech Computer Engineering — **Year of the Programme: Third Year** — **Semester: VI**

Sr. No.	Module / Subject Code	Name of the Module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs) Written	Only ICA	Mode of Exam Written / OffLine/Online/Computer based / Practical/Viva /Jury/ Presentation	ICA Test I	ICA Test II	ICA Term work*	ICA Total Marks	ICA Scaled to (Marks)	TEE Marks	TEE Scaled to (Marks)	Total Marks	Total Weightage %	Template Codes	GR Applicable (Yes /No)	Remarks
1		Artificial Intelligence	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
2		Unix Programming	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
3		Software Engineering	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4		Department Elective-II	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
5		Open Elective-I	2	2	0	60	3	3 Hrs	-	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
6		Management Accounting for Engineers	2	0	0	30	2	2 Hrs	-	Written	10	10	30	50	50	50	50	100	100	7031	Yes	
7		Essence of Indian Traditional Knowledge	2	0	0	30	0	-	Only ICA	--	10	10	30	50	50	0	0	50	100	7032	No	
		Total	**18**	**10**	**0**	**420**	**21**				**70**	**70**	**210**	**350**	**350**	**550**	**300**	**650**	**700**			

Dept. Elective - I Code	Subject	Dept. Elective - II Code	Subject	Open Elective - I Code	Subject
MBCO06013	Advanced Computer Networks	MBCO06021	Mobile Computing	MBCO06029	Object Oriented Programming (Not for IT)
MBCO06014	Soft Computing	MBCO06022	Machine Learning	MBCO06030	Data Structure & Algorithms (Not for IT)
MBCO06015	Advanced Database Management System	MBCO06023	Software Architecture	MBCO06031	Fundamentals of Computer Science (Not for IT)
MBCO06016	Advanced Web Programming	MBCO06024	Database Security	MBCO06032	Human Computer Interface (Not for IT)
MBCO06017	Object Oriented Software Engineering	MBCO06025	Computer Vision		
MBCO06018	Web Security	MBCO06026	Fundamentals of Blockchain		
MBCO06019	Advanced Image Processing	MBCO06027	Information Storage and Management		
MBCO06020	Human Computer Interface	MBCO06028	Advanced Computer Architecture		

Name of the Programme: MBA Tech Computer Engineering — **Year of the Programme: Fourth Year** — **Semester: VII**

Sr. No.	Module / Subject Code	Name of the Module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs) Written	Duration of Examination (Hrs) Only ICA	Mode of Exam Written / OffLine/ Online/ Computer based / Practical/Viva /Jury/ Presentation	ICA Test I	ICA Test II	ICA Term work*	ICA Total Marks	ICA Scaled to (Marks)	TEE Marks	TEE Scaled to (Marks)	Total Marks	Total Weightage %	Template Codes	GR Applicable (yes/No)	Remarks
1	MBCO07010	Project Phase - I	0	8	0	120	4	-	Only ICA	-	0	0	100	0	0	0	0	100	100	7032	No	
2	MBCO07030	Technical Internship Program (Minimum 6 weeks)	0	0	0	30	4	-	Only ICA	-	0	0	0	0	0	0	0	100	100	7032	No	
3		Department Elective-III	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
4		Department Elective-IV	3	2	0	75	4	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
		Total	6	12	0	300	16				20	20	160	100	100	200	100	400	400			

Name of the Programme: MBA Tech Computer Engineering — **Year of the Programme: Fourth Year** — **Semester: VIII**

Sr. No.	Module / Subject Code	Name of the Module	Theory (Hours per week)	Practicals (Hours per week)	Tutorials (Hours per week)	Total no. of hours for the subject (In term)	Credit/s	Duration of Examination (Hrs) Written	Duration of Examination (Hrs) Only ICA	Mode of Exam Written / OffLine/ Online/ Computer based / Practical/Viva	ICA Test I	ICA Test II	ICA Term work*	ICA Total Marks	ICA Scaled to (Marks)	TEE Marks	TEE Scaled to (Marks)	Total Marks	Total Weightage %	Template Codes	GR Applicable (Yes/No)	Remarks
1	MBCO08001	Project Phase - II	0	12	0	180	4	-	Only ICA	-	0	0	100	0	0	0	0	100	100	7032	No	
2		Open Elective -II	2	2	0	60	3	3 Hrs	--	Written	10	10	30	50	50	100	50	100	100	7031	Yes	
						0	0	-		--												
		Total	2	2	0	60	3				10	10	30	50	50	100	50	100	100			

Dept. Elective - III			Dept. Elective - IV			Open Elective - II	
Code	**Subject**		**Code**	**Subject**		**Code**	**Subject**
MBCO07011	Network Infrastructure Management		MBCO07019	Bioinformatics		MBCO08002	Python Programming (Not for IT)
MBCO07012	Deap Learning		MBCO07020	Robotics		MBCO08003	Principles of Software Engineering(Not for IT)
MBCO07013	Embedded System		MBCO07021	Distributed Computing		MBCO08004	Introduction to Artificial Intelligence (Not for IT)
MBCO07014	Software Quality Assurance and Testing		MBCO07022	Software Project Management		MBCO08005	Fundamentals of Machine Learning
MBCO07015	Network Security		MBCO07023	Cyber Security and Ethical Hacking			
MBCO07016	Biometrics		MBCO07024	Image and Video Analytics			
MBCO07017	Cloud Computing and IoT		MBCO07025	Natural Language Processing			
MBCO07018	Multimedia Computing		MBCO07026	Parallel Programming			