

ANNEXURE

14

Program and Course Structure

B.Sc(Honors) in Information Technology

School of Engineering and Technology
B.Sc(Honors) in Information Technology
Batch: 2018 Onwards
TERM: I

S. No.	Paper ID	Subject Code	Subjects	Teaching Load			Credits	
				L	T	P		
THEORY SUBJECTS								
1.	16015	BCO101	Introduction to C Programming	3	0	0	3	
2.	16016	BCO102	Basics of Digital Electronics	3	0	0	3	
3.	16017	BCO103	Fundamental of Information Technology	3	0	0	3	
4.	25046	EVS105	Environmental Studies	2	0	0	2	
5.	30059	MSM101	Foundation course in Mathematics	3	1	0	4	
6.	15987	FEN101	Functional English Beginners-I	0	0	2	1	
	15988	FEN103	Functional English Intermediate-I	0	0	4		
Practical/Viva-Voce/Jury								
1.	16018	BOL101	Introduction to C Programming Lab	0	0	2	1	
2.	16019	BOL102	Basics of Digital Electronics Lab	0	0	2	1	
3.	15228	ENP 102	Functional English-I Lab	0	0	2	1	
TOTAL CREDITS							19	

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TERM: II

S. No.	Paper ID	Course Code	Course	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
THEORY SUBJECTS								
1.		BCO104	Advance Concept in C Programming	3	0	0	3	
2.		BCO105	Computer Hardware and Trouble Shooting	3	0	0	3	
3.		HMM303	Organizational Behavior	3	0	0	3	
4.		BCO106	System Analysis & Design	3	0	0	3	
5.		MSM312	Discrete Mathematics	3	1	0	4	
1.		FEN102	Functional English Beginners-II	0	0	2	1	
2.		FEN104	Functional English Intermediate-II	0	0	2		
Practical/Viva-Voce/Jury								
3.		BOL163	Advance Concept in C Programming Lab	0	0	2	1	
4.		BOL164	Computer Hardware and Trouble Shooting Lab	0	0	2	1	
5.	15332	ENP103	Functional English-II Lab					
TOTAL CREDITS							20	

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TERM: III

S. No.	Paper ID	Course Code	Course	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
THEORY SUBJECTS								
1.		BCO201	Computer Organization	3	0	0	3	
2.		BCO202	Operating Systems	3	1	0	4	
3.		BCO203	Web and Its Application	3	0	0	3	
4.		BCO204	Principles of Data Structures	3	1	0	4	
5.		HMM126	Human Values and Ethics	2	0	0	2	
Practical/Viva-Voce/Jury								
6.		BOL201	Computer Organization Lab	0	0	2	1	
7.		BOL203	Web and Its Application Lab	0	0	2	1	
8.		BOL204	Principles of Data Structures Lab	0	0	2	1	
9.		BOL201	Introduction to LINUX	0	0	2	1	
TOTAL CREDITS							20	

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TERM: IV

S. No.	Paper ID	Course Code	Course	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
THEORY SUBJECTS								
1.		BCO205	Basics of Computer Network	3	1	0	4	
2.		BCO206	Database Management Systems	3	0	0	3	
3.		BCO207	Web Designing	3	1	0	4	
4.		BCO208	Introduction to Software Engineering	3	0	0	3	
5.		ENG202	Communication practices -I	2	0	0	2	
Practical/Viva-Voce/Jury								
6.		BOL205	Database Management Systems Lab	0	0	2	1	
7.		BOL207	Web Designing Lab	0	0	2	1	
8.		ENG202/E NP202	Communication practices -I	0	0	2	1	
TOTAL CREDITS							19	

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TERM: V

S. No.	Paper ID	Course Code	Course	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
THEORY SUBJECTS								
1.		BCO301	Introduction to OOP using Java	3	1	0	4	
2.		BCO306	Ecommerce	3	1	0	4	
3.			Program Elective -1	3	1	0	4	
4.			Program Elective-2	3	1	0	4	
5.		BCO303	Multimedia & Animation	3	1	0	4	
Practical/Viva-Voce/Jury								
6.		BOL301	Introduction to OOP using Java	0	0	2	1	
TOTAL CREDITS							21	

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TERM: VI

S. No.	Paper ID	Course Code	Course	Teaching Load			Credits	Pre-Requisite/Co Requisite
				L	T	P		
THEORY SUBJECTS								
1.		BCO304	Introduction to PHP	3	0	0	3	
2.		BCO305	Information Security	3	1	0	4	
3.			Program Elective -4	3	0	0	3	
4.			Program Elective-3	3	0	0	3	
Practical/Viva-Voce/Jury								
5.		BOL304	Introduction to PHP	0	0	2	1	
6.		BCA399	Project	0	0	14	7	
TOTAL CREDITS							21	

Program Elective			
Computer Graphics BCO 307	Essentials of Digital Marketing BCA314	Python Programming BCO309	Data Encoding and Compression BCO311
Client Server Computing BCO 302	Introduction to Distributed System BCO308	ERP BCO310	Introduction to Cloud BCA312