

STUDY & EVALUATION SCHEME
B.SC. (INFORMATION TECHNOLOGY)
I YEAR: I SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCS1001	Problem Solving using Computer	4	0	0	40	60	100	4	Major	Own
2	UCS1003	Computer and C Fundamentals	3	0	0	40	60	100	3	Major	Own
3	UCS1501SE	Digital Aptitude and Logic	2	0	0	40	60	100	2	Skill	Own
4	UMG1008	Introduction to Management	3	1	0	40	60	100	4	Major	Other
5	UMA1004	Basic Mathematics and Statistics	3	1	0	40	60	100	4	Major	Other
6	UBS1401	Food, Nutrition and Hygiene	2	0	0	100	-	100	2	Co-Curricular	Other
PRACTICAL/TRAINING/PROJECT											
7	UCS1201	Software Lab using Python	0	0	4	80	20	100	2	Major	Own
8	UCS1204	Computer and C Fundamentals Lab	0	0	4	80	20	100	2	Major	Own
9	UCS1502SE	Digital Aptitude and Logic Lab	0	0	2	80	20	100	1	Skill	Own
TOTAL			17	2	10	540	360	900	24		

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I YEAR: II SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCS2001	Operating Systems	4	0	0	40	60	100	4	Major	Own
2	UCS2003	Structured Programming using C	4	0	0	40	60	100	4	Major	Own
3	UCS2002	Economics for Technology Management	3	1	0	40	60	100	4	Major	Other
4		Minor Elective-I	4	0	0	40	60	100	4	Major	Other
5	UEG2504SE	Functional English	2	0	0	40	60	100	2	Skill	Other
6	UPC2401	First Aid and Health	2	0	0	100	-	100	2	Co-Curricular	Other
PRACTICAL/TRAINING/PROJECT											
7	UCS2201	Operating Systems Lab	0	0	4	80	20	100	2	Major	Own
8	UCS2202	Structured Programming using C	0	0	2	80	20	100	1	Major	Own
9	UCS260IIV	Industrial Visit-I	0	0	2	100	-	100	1	Major	Own
10	UEG2503SE	Functional English Lab	0	0	2	80	20	100	1	Skill	Other
TOTAL			19	1	8	640	360	1000	25		

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II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCS3001	Database Management Systems	4	0	0	40	60	100	4	Major	Own
2	UCS3002	Object-Oriented Programming using C++	3	0	0	40	60	100	3	Major	Own
3	UCS3003	Information and Communication Technology	3	1	0	40	60	100	4	Skills	Own
4	UEC3002	Digital Electronics and Computer Organization	3	1	0	40	60	100	4	Major	Other
5	UCS3501SE	Fundamental of Animation	3	0	0	40	60	100	3	Skill	Other
6	USO3401	Human Values and Environment Studies	2	0	0	100	-	100	2	Co-Curricular	Other
PRACTICAL/TRAINING/PROJECT											
7	UCS3201	Database Management Systems Lab	0	0	4	80	20	100	2	Major	Own
8	UCS3202	C++ Programming Lab	0	0	2	80	20	100	1	Major	Own
9	UCS3601IV	Industrial Visit-II	0	0	0	100	-	100	1	Major	Own
10	UEC3202	Digital Electronics and Computer Organization Lab	0	0	2	80	20	100	1	Major	Other
TOTAL			18	2	8	640	360	1000	25		

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II YEAR: IV SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCS4001	Web Technology	4	0	0	40	60	100	4	Major	Own
2	UCS4002	Software Engineering	3	1	0	40	60	100	4	Major	Own
3	UCS4003	Object Oriented Programming using Java	3	0	0	40	60	100	3	Major	Own
4		Minor Elective-II	4	0	0	40	60	100	4	Major	Other
5	UPE4401	Physical Education and Yoga	2	0	0	100	-	100	2	Co-Curricular	Other
PRACTICAL/TRAINING/PROJECT											
6	UCS4201	Web Technology Lab	0	0	2	80	20	100	1	Major	Own
7	UCS3202	Java Programming Lab	0	0	4	80	20	100	2	Major	Own
8	UCS4701SM	Seminar-I	0	0	2	100	-	100	1	Major	Own
9	UCS4601IV	Industrial Visit-III	0	0	0	100	-	100	1	Major	Own
TOTAL			16	1	8	620	280	900	22		

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III YEAR: V SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCS5001	Analysis of Algorithms and Data Structures	4	0	0	40	60	100	4	Major	Own
2	UCS5002	E-Commerce	4	0	0	40	60	100	4	Major	Own
3	UCS5003	Cloud Computing	3	1	0	40	60	100	4	Major	Own
4	UCS5004	Computing Technology and Applications	3	1	0	40	60	100	3	Major	Own
5		Elective- I	3	1	0	40	60	100	4	Major	Own
6	UAP5401	Analytic Ability and Digital Awareness	2	0	0	100	-	100	2	Co-Curricular	Own
PRACTICAL/TRAINING/PROJECT											
7	UCS5201	Lab on Algorithms and Data Structures Using Java	0	0	4	80	20	100	2	Major	Own
8	UCS5701PJ	Research Project-I	0	0	6	100	-	100	3	Major	Own
9	UCS5601IV	Industrial Visit-IV	0	0	0	100	-	100	1	Major	Own
TOTAL			19	3	10	580	320	900	27		

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III YEAR: VI SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCS6001	Data Communication and Computer Network	4	0	0	40	60	100	4	Major	Own
2	UCS6002	Information Security & Cyber Laws	4	0	0	40	60	100	4	Major	Own
3		Elective II	3	1	0	40	60	100	4	Major	Own
4		Elective III	3	1	0	40	60	100	4	Major	Own
5	USS6401	Communication Skills and Personality Development	2	0	0	100	-	100	2	Co-Curricular	Other
PRACTICAL/TRAINING/PROJECT											
6	UCS6201	Lab on Computer Networks	0	0	4	80	20	100	2	Major	Own
7	UCS6701PJ	Research Project-II	0	0	6	100	-	100	3	Major	Own
8	UCS6701SM	Seminar-II	0	0	2	100	-	100	1	Major	Own
9	UCS6601IV	Industrial Visit-V	0	0	0	100	-	100	1	Major	Own
TOTAL			16	2	12	640	260	900	25		

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IV YEAR: VII SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCS7001	Data Mining Techniques	3	1	0	40	60	100	4	Major	Own
2	UCS7002	Fundamentals of Digital Forensics	3	1	0	40	60	100	4	Major	Own
3	UCS7003	Enterprise Resource Planning	3	1	0	40	60	100	4	Major	Own
4	UCS7004	Introduction to Bioinformatics	3	1	0	40	60	100	4	Major	Own
PRACTICAL/TRAINING/PROJECT											
5	UCS7201	Basic SCI Lab	0	0	8	80	20	100	4	Major	Own
6	UCS7701PJ	Project Part- I	0	0	12	80	20	100	6	Major	Own
TOTAL			12	4	20	320	280	600	26		

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IV YEAR: VIII SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C	COURSE TYPE	FACULTY
THEORY											
1	UCS8001	Big Data Technology	3	1	0	40	60	100	4	Major	Own
2	UCS8002	Fundamentals of Soft Computing	3	1	0	40	60	100	4	Major	Own
3	UCS8004	Information for Emerging Technologies	3	1	0	40	60	100	4	Major	Own
4		Minor Elective - III	4	0	0	40	60	100	4	Major	Other
PRACTICAL/TRAINING/PROJECT											
5	UCS8201	Application for SCI Lab	0	0	8	80	20	100	4	Major	Own
6	UCS8701PJ	Project Part- II	0	0	12	80	20	100	6	Major	Own
TOTAL			13	3	20	320	280	600	26		

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LIST OF ELECTIVES

S. NO.	SUBJECT CODE	SUBJECT	SEMESTER
Elective - I			
1	UCS5101	Agile Methodology	V Semester
2	UCS5102	Android App Development	
3	UCS5103	Data Compression	
Elective - II			
1	UCS6101	Data Analysis and Handling	VI Semester
2	UCS6102	Human Computer Interaction	
3	UCS6124	Machine Learning	
Elective - III			
1	UCS6104	Graph Theory	VI Semester
2	UCS6105	Image Processing	
3	UCS6125	Cybernetics	

Skill Subjects

S. NO.	SUBJECT CODE	SUBJECT	SEMESTER
1	UCS1501SE	Digital Aptitude and Logic	I
2	UEG2504SE	Functional English	II
3	UCS3501SE	Fundamental of Animation	III

Minor Elective Subjects

S. NO.	SUBJECT CODE	SUBJECT	SEMESTER
Minor Elective - I			
1	UCS2301	IT Infrastructure Management	II
2	UCS2302	Multimedia Systems	
3	UCS2303	Fundamental of Animation	
Minor Elective - II			
1	UCS4301	Python and Applications	IV
2	UCS4302	Emerging technologies in IT	
3	UCS4303	Cyber Security System	
Minor Elective - III			

1	UCS8302	Database Management System	VIII
2	UCS8303	Internet and Networking	
3	UCS8304	Artificial Intelligence and Machine Learning	