I YEAR: I SEMESTER

S. N	SUBJECT CODE	SUBJECT	L	Т	P	THE	ORY	PRAC A		TOT AL	C
0.						CIE	ESE	CIE	ES	AL	
									\mathbf{E}		
1	UCY1801/U	Chemistry/Ph	3	1	3	40	60	80	20	200	5.5
	PH1801	ysics									
2	UMA1003	Mathematics-	3	1	0	40	60	0	0	100	4
		I									
3	UCS1801/U	Programming	3	1	2	40	60	80	20	200	5
	EE1801	for Problem									
		Solving/ Basic									
		Electrical									
		Engineering									
4	UME1802/U	Workshop	1	0	4	0	0	80	20	100	3
	ME1801	Practices/									
		Engineering									
		Graphics and									
		Designing									
5	UEG1801/U	English/Envir	2/2	0/	2/0	40/2	60/3	80/0	20/	200/	3/2
	CE1801	onmental		0		0	0		0	50	
		Science									
6	UCS1803	Python	3	0	2	40	60	80	20	200	4
	TOTAL		15/	3/	13/	200/	300/	400/	100	1000/	24.5/
			15	3	11	180	270	320	/80	850	23.5

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

INTELLIGENCE I YEAR: II SEMESTER

S.	SUBJECT	SUBJEC	L	T	P	THE	ORY	PRAC		TOT	C
N O.	CODE	T				CIE	ESE	CIE	ES	AL	
0.						CIE	ESE	CIE	E		
1	UPH2801/UC	Physics/	3	1	3	40	60	80	20	200	5.5
	Y2802	Chemistry									
2	UMA2003	Mathemat ics- II	3	1	0	40	60	0	0	100	4
3	UEE2801/UC S2802	Basic Electrical Engineeri ng /Program ming for Problem Solving	3	1	2	40	60	80	20	200	5
4	UME2801/UM E2802	Engineeri ng Graphics and Designing / Workshop Practices	1	0	4	0	0	80	20	100	3
5	UCE2801/UE G2801	Environm ental Science/ English	2/2	0/	0/2	20/ 40	30/ 60	0/80	0/2	50/ 200	2/3
6	UCS2806	Java	3	0	2	40	60	80	20	200	4
	2.252000	Fundame ntal				10			20	200	'
	TOTAL		15/	3/	11/	180/2	270/3	320/4	80/	850/	23.5/2
			15	3	13	00	00	00	10 0	1000	4.5

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C – Credit

II YEAR: III SEMESTER

S.	SUBJECT	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
NO.	CODE								
1	UCS3011	Data Structures and	3	1	-	40	60	100	4
		Algorithms							
2	UCS3209	Data Structures and	-	-	2	80	20	100	1
		Algorithms Lab							
3	UCS3012	Software Engineering	3	-	-	40	60	100	3
4	UCS3210	Software Engineering	-	-	2	80	20	100	1
		Lab							
5	UMA3007	Discrete Mathematics	3	1	-	40	60	100	4
6	UEC3001	Digital Electronics	3		-	40	60	100	3
7	UEC3201	Digital Electronics Labs	-	-	2	80	20	100	1
8	UEG3005	Effective Technical	3	-	-	40	60	100	3
		Communication							
9	UCS3805	Cloud Fundamental	3	0	2	40	60	100	4
9	0033603	Cloud Fulldamental	3	U		80	20	100	4
	7	ГОТАL	18	2	8	560	440	1000	24

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

II YEAR: IV SEMESTER

S.	SUBJECT	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
NO.	CODE								
1	UCS4012	Computer	3	1	-	40	60	100	4
		Organization and							
		Architecture							
2	UCS4210	Computer	-	-	2	80	20	100	1
		Organization and							
		Architecture Lab							
3	UCS4013	Operating Systems	3	1	-	40	60	100	4
4	UCS4211	Operating Systems	-	-	2	80	20	100	1
		Lab							
5	UCS4014	Formal Language	3	1		40	60	100	4
		and Automata							
		Theory							
6	UCS4801	IT Workshop	1	-	2	80	20	100	2
7	UMG4008	Organizational	3	-	-	40	60	100	3
		Behaviour							
8	ULA4401	Constitution of	2	-	-	Satisfa	actory/U	Insatisfactory	0
		India					-	_	
9	UCS4602IV	Industrial Visit-I	-	-	-	Satisfa	actory/U	Insatisfactory	0
							1		
10	UCS4809	Micro-services and	3	0	2	40	60	100	4
10	005-007	Architecture	3			80	20	100	7
	TOT	'AL	18	3	8	520	380	900	23

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

III YEAR: V SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	Т	P	CIE	ESE	TOTAL	С
1	UCS5012	Database Management Systems	3	1	-	40	60	100	4
2	UCS5208	Database Management Systems Lab	-	-	2	80	20	100	1
3	UCS5013	Design and Analysis of Algorithms	3	1	-	40	60	100	4
4	UCS5209	Design and Analysis of Algorithms Labs	-	-	2	80	20	100	1
5	UCS5014	Object Oriented Programming	2	1	-	40	60	100	3
6	UCS5210	Object Oriented Programming Lab	-	-	2	80	20	100	1
7	UEC5002	Signals and Systems	3	-	-	40	60	100	3
8	-	Open Elective-I	3	•	-	40	60	100	3
9	-	Elective-I	3	-	-	40	60	100	3
10	ULA5402	Essence of Indian Traditional Knowledge	2	-	-	Satisfa	octory/U	nsatisfactor	0
11	UAP5403	Aptitude and Reasoning and Online Test	-	-	2	Satisfa	octory/U	nsatisfactor	0
12	UCS5808	Big Data Analytics	3	0	2	40 80	60 20	100 100	4
	TO	ΓAL	22	3	10	600	500	1100	27

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

III YEAR: VI SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
1	UCS6006	Compiler Design	3	1	-	40	60	100	4
2	UCS6205	Compiler Design Lab	-	-	2	80	20	100	1
3	UCS6007	Computer Networks	3	1	-	40	60	100	4
4	UCS6206	Computer Networks Lab	-	-	2	80	20	100	1
5	UBS6010	Biology	2	_	-	70	30	100	2
6	-	Elective-II	3	-	-	40	60	100	3
7	-	Elective-III	3	-	-	40	60	100	3
8	USS6402	Soft-Skill and Interpersonal Communication	2	-	-	100	-	100	2
9	UCS6702PJ	Project-I	-	-	4	100	-	100	2
10	UCS3703SM	Seminar	-	-	2	100	-	100	1
11	UAP6403	Aptitude and Reasoning and Online Test	-	-	2	Satisfactory/Unsatisfactory		0	
12	UCS6805	Artificial Intelligence and Analyst	1	0	3	40 80	60 20	100 100	2.5
	ТО	TAL	17	2	15	810	390	1200	25.5

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C – Credit

Specialization Streams

* Big Data Analytics

** Software Engineering

*** Internet of Things

**** Machine Learning

IV YEAR: VII SEMESTER

S.	SUBJECT	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
NO.	CODE								
1		Elective-IV	3	1	-	40	60	100	3
2		Elective-V	3	1	-	40	60	100	3
3		Open Elective- II	3	-	-	40	60	100	3
4	UCS7702PJ	Project- II	-	1	10	100	-	100	5
5	UCS7601ST	Summer Training	-	ı	2	100	1	100	1
		Application				40	60	100	
6	UCS7803	Development using IOT	1	0	3	80	20	100	2.5
	TOTA	AL	10	0	15	440	260	700	17.5

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C – Credit

IV YEAR: VIII SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	С
1		Elective-VI	3	-	-	40	60	100	3
2		Open Elective-III	3	-	-	40	60	100	3
3	UCS8702PJ	Project- III	1	-	12	80	20	100	6
	TOTA	L	6	0	12	160	140	300	12

L - Lecture

T - Tutorial

P - Practical

CIE - Continuous Internal Evaluation

ESE-End Semester Exam

C – Credit

LIST OF ELECTIVES

ELECTIVE	<u>-I</u>		SEMESTER
1	UCS5107	Ecommerce	V
2	UCS5108	Graph Theory	V
3	UCS5109	Management Information System	V
4	UCS5110	Computer Graphics	V
ELECTIVE	<u>-II</u>		SEMESTER
1	UCS6107	MOOC: Operations Research	VI
2	UCS6108	Computer Based Numerical and	VI
		Statistical Techniques	
3	UCS6109	Geographical Information System	VI
4	UCS6110	Artificial Intelligence	VI
ELECTIVE	<u>-III</u>		SEMESTER
1	UCS6111	Digital Image Processing	VI
2	UCS6112	Information Security and Cyber Law	VI
3	UCS6113	Cryptography and Network Security	VI
4	UCS6114	MOOC: Cloud Computing	VI
5	UCS6115	Machine Learning	VI
ELECTIVE	<u>-IV</u>		SEMESTER
1	UCS7101	Mobile Application Development	VII
2	UCS7102	Parallel Algorithm	VII
3	UCS7103	Microprocessor	VII
4	UCS7104	MOOC: Real Time Systems	VII
5	UCS7105	Distributed System	VII
ELECTIVE			SEMESTER
1	UCS7106	Data Mining and Data Ware Housing	VII
2	UCS7107	MOOC: Soft Computing	VII
3	UCS7108	Semantic Web and Web Services	VII
4	UCS7109	Data Compression	VII
5	UCS7110	Mobile Computing	VII
6	UCS7111	Pattern Recognition	VII

LIST OF OPEN ELECTIVES

			DEPARTMENT	SEMESTER
OPEN E	LECTIVE-I		OFFERED	
1	UMG5301	Principles of Management	MGMT	V
2	UEM5301	Economics	MGMT	V
OPEN E	LECTIVE-II			SEMESTER
1	UEC7301	Satellite Communication	EC	VII
2	UME7301	Total Quality Management	ME	VII
3	UCS7301	MOOC: Block-chain	CS	
		Architecture		
OPEN E	LECTIVE-II	<u>I</u>		SEMESTER
1	UCS8301	Green Computing	CS	VIII
2	UMG8301	Digital Marketing	CS	VIII
3	UME8305	Six Sigma	ME	VIII
4	UEC8301	Mobile Communications and	EC	VIII
		Networks		
5	UEE8301	Fuzzy Systems and its	EE	VIII
		Applications		

OPEN I	ELECTIVE- V	<u>/I</u>	SEMESTER
1	UCS8101	Embedded Systems	VIII
2	UCS8102	Neural Networks	VIII
3	UCS8103	Simulation and Modelling	VIII
4	UCS8104	MOOC: Big Data Computing	VIII
5	UCS8105	Information Storage Management	VIII