Study Scheme B.Tech (WP) CSE

SEMESTER – III

Course Code	Course Title	L	T	P	Credits
UWCS-301	Data Structures & Algorithms	3	0	0	3
UWCS-302	Computer Organisation & Architecture	3	0	0	3
UWCS-303	Object-Oriented Programming with Java	3	1	0	4
UWPD-301	Communication Skills For Engineers	2	0	0	2
UWCS-305	Data Structures & Algorithms Lab	0	0	2	1
UWCS-306	OOP with Java Lab	0	0	2	1
UWCS-307	Industry Interaction	0	0	12	6
UWPD-302	Communication Skills for Engineers Lab	0	0	1	1

Total Credits = 21

SEMESTER – IV

Course Code	Course Title	L	T	P	Credits
UWCS-401	Database Management Systems	3	1	0	4
UWCS-402	Operating Systems	3	0	0	3
UWCS-403	Computer Networks	3	0	0	3
UWES-401	Environment Science	3	0	0	3
UWCS-405	DBMS Lab	0	0	2	1
UWCS-406	Applied Industrial Practices	0	0	12	6
UWCS-407	Operating Systems Lab	0	0	2	1

Total Credits = 21

SEMESTER – V

Course Code	Course Title	L	T	P	Credits
UWCS-501	Software Engineering	3	0	0	3
UWCS-502	Web Technologies	3	1	0	4
UWPD-501	Professional Communication	2	0	0	2
UWCS-504X	Elective – 1	3	0	0	3
UWCS-505	Web Technologies Lab	0	0	2	1
UWCS-506	Professional Practice & Industrial Assignment	0	0	12	6
UWPD-502	Professional Communication Lab	0	0	2	1

Total Credits = 20

SEMESTER – VI

Course Code	Course Title	L	T	P	Credits
UWCS-601	Artificial Intelligence	4	0	0	4
UWPD-601	Workplace Communication & Ethics	3	0	0	3
UWCS-603X	Elective -2	3	0	0	3
UWCS-604X	Elective -3	3	0	0	3
UWCS-605	Artificial Intelligence Lab	0	0	2	1
UWCS-606	Industrial Case Study	0	0	12	6

Total Credits = 20

SEMESTER – VII

Course Code	Course Title	L	T	P	Credits
UWCS-701	Seminar on Emerging Technologies	0	0	4	2
UWCS-702	Industrial Training / OJT-I	0	0	16	8
UWCS-703	Minor Project	0	0	16	8
UWCS-704	Industry Certification Course	0	0	6	3

Total Credits = 22

SEMESTER – VIII

Course Code	Course Title	L	T	P	Credits
UWCS-801	Industrial Training / OJT-II	0	0	16	8
UWCS-802	Major Project	0	0	24	12

Total Credits = 20

Electives

Elective - 1	Elective - 2	Elective - 3
UWCS-504 A: Deep Learning & Neural Networks	UWCS-603 A Cloud Computing	UWCS-604 A: Information & Cyber Security
UWCS-504 B: Internet of Things (IoT)	UWCS-603 B: Theory of Computation	UWCS-604 B: Natural Language Processing
UWCS-504 C: Blockchain Technology	UWCS-603 C: Environmental Pollution Control	UWCS-604 C: Augmented & Virtual Reality

Note: L = Lecture hours/week, T = Tutorial hours/week, P = Practical hours/week.