

STUDY & EVALUATION SCHEME
M.TECH: COMPUTER SCIENCE & ENGINEERING (R)
SPECIALIZATION: DATA SCIENCE
I YEAR: I SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	PCS1001	Digital Electronics and Computer Organization	3	0	0	40	60	100	4
2	PCS1002	Advanced Database Management Systems	3	1	0	40	60	100	4
3	PCS1003	Artificial Intelligence	3	0	0	40	60	100	3
4	PCS1004	Advanced Data Structures and Algorithms	3	1	0	40	60	100	4
5	PCS1005	Advanced Software Engineering	3	0	0	40	60	100	3
6		Elective –I	3	0	0	40	60	100	3
PRATICAL/TRAINING/PROJECT									
7	PCS1201	Artificial Intelligence Lab	0	0	2	80	20	100	1
8	PCS1202	Advanced Data Structures and Algorithms Lab	0	0	2	80	20	100	1
9	PCS1203	Advanced Database Management Systems Lab	0	0	2	80	20	100	1
10	PCS1204	Programming in Python Lab	0	0	2	80	20	100	1
TOTAL			18	2	8	560	440	1000	25

L -Lecture
T -Tutorial
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CIE -Continuous Internal Evaluation
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I YEAR: II SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
THEORY									
1	PCS2001	Data Analytics	3	0	0	40	60	100	3
2	PCS2002	Data Visualization	3	0	0	40	60	100	3
3	PCS2003	Machine Learning	3	1	0	40	60	100	4
4	PCS2004	Enterprise Design Thinking	3	1	0	40	60	100	4
5	PCS2005	Big Data Management	3	1	0	40	60	100	4
6		Elective –II	3	1	0	40	60	100	4
PRATICAL/TRAINING/PROJECT									
7	PCS2201	Machine Learning Lab	0	0	2	80	20	100	1
8	PCS2202	Data Visualization Lab	0	0	2	80	20	100	1
9	PAP2501SE	Aptitude & Reasoning and Online Test	0	0	2	100	-	100	1
TOTAL			18	4	6	500	400	900	25

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II YEAR: III SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
PRATICAL/TRAINING/PROJECT									
1	PCS3001	Research Methodology	3	0	0	100	-	100	3
2	PCS3002	Research Ethics and Technical Writing	3	0	0	100	-	100	3
3	PCS3701PJ	Industrial Research-I	0	0	0	100	-	100	8
TOTAL			6	0	0	300	-	300	14

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II YEAR: IV SEMESTER

S. NO.	SUBJECT CODE	SUBJECT	L	T	P	CIE	ESE	TOTAL	C
PRATICAL/TRAINING/PROJECT									
1	PCS4701PJ	Industrial Research –II	0	0	0	100	-	100	12
TOTAL			0	0	0	100	-	100	12

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LIST OF ELECTIVES

S. NO.	SUBJECT CODE	SUBJECT
Elective-I		Semester – I
1	PCS1101	Mobile Computing
2	PCS1102	Predictive Analysis
3	PCS1103	Cloud Computing
4	PCS1104	Information Security
Elective-II		Semester – II
1	PCS2101	Cryptography and Network Security
2	PCS2102	Internet of Things
3	PCS2103	Digital Image Processing
4	PCS2104	Soft Computing