NIT Puducherry, Karaikal
Department of Computer Science and Engineering
M.Tech. CSE – Curriculum 2017

SEMESTER-I

CODE	COURSE TITLE	L	T	P	C
CS601	Mathematical Foundations for Computer Science	3	0	0	3
CS603	Advanced Data Structures and Algorithms	3	0	0	3
CS605	Advance Concepts in Operating Systems	3	0	0	3
CS607	Advanced Network Principles and Protocols	3	0	0	3
CS6XX	Elective-I	3	0	0	3
CS6XX	Elective-II	3	0	0	3
CS609	Network Programming Laboratory	0	0	3	2
CS611	Advanced Programming Laboratory	0	0	3	2
				Total Credits	22

SEMESTER-II

CODE	COURSE TITLE	L	T	P	C
CS602	Advanced Data Base Management System (DBMS)	3	0	0	3
CS604	Seminar and Technical writing	0	0	3	2
CS6XX	Elective-III	3	0	0	3
CS6XX	Elective-IV	3	0	0	3
CS6XX	Elective-V	3	0	0	3
CS606	Advanced DBMS Lab	0	0	3	2
				Total Credits	16

SEMESTER-III

CODE	COURSE TITLE	L	T	P	C
CS613	Internship*	0	0	3	2
CS691	Project Work Phase-I	0	0	12	8
				Total Credits	10

*Evaluation criteria for Internship is based on the following:
- An internship report will be assessed by internship coordinator
- A minimum period of 8 weeks and maximum period of 12 weeks (to be completed during vacation between 2nd & 3rd semester)

SEMESTER-IV

CODE	COURSE TITLE	L	T	P	C
CS692	Project Work Phase-II	0	0	18	12
				Total Credits	12

Total Credits

Semester I	Semester II	Semester III	Semester IV	Total Credits
22	16	10	12	60

ELECTIVES FOR SEMESTER-I

CODE	COURSE TITLE	CREDITS
CS651	Cloud Computing	3
CS653	Computer Graphics and Image Processing	3
CS655	Open Source Programming	3
CS657	Artificial Intelligence and Expert Systems	3
CS659	Data Warehousing and Data Mining	3
CS661	Internet of Things	3

ELECTIVES FOR SEMESTER-II

CODE	COURSE TITLE	CREDITS
CS652	Distributed Systems	3
CS654	Design and Analysis of Parallel Algorithms	3
CS656	Wireless Sensor Networks	3
CS658	Real Time Systems	3
CS660	Mobile Network Systems	3
CS662	Network Security	3
CS664	Machine Learning	3
CS666	Information Retrieval Techniques	3