


**COURSE STRUCTURE
SITE 18 REGULATIONS**

For

**Computer Science and Engineering
(PG)**

**With effective from the Academic
Year
2018-19**


HEAD OF THE DEPARTMENT
Computer Science & Engineering
Sasi Institute of Technology & Engg.
Tataballabudem-534 101

M. Tech. COURSE STRUCTURE

Computer Science and Engineering

I SEMESTER

S.No	Course Code	Name of the Subject	L	P	C
1	18CSCS101	Research Methodology & IPR	3	-	3
2	18CSCS102	Science Mathematical Foundations of Computer	3	-	3
3	18CSCS103	Advanced Data Structures	3	-	3
4	18CSCS104	Artificial Intelligence	3	-	3
5	18CSCS105	Program Elective-I	3	-	3
6	18CSCS106	Program Elective-II	3	-	3
7	18CSCS151	Advanced Data Structures Lab		3	1.5
Total Credits					19.5

II SEMESTER

S.No	Course Code	Name of the Subject	L	P	C
1	18CSCS201	Data Warehouse and Data Mining	3		3
2	18CSCS202	Advanced Algorithms	3		3
3	18CSCS203	Soft Computing	3		3
4	18CSCS204	Program Elective-III	3		3
5	18CSCS205	Program Elective-IV	3		3
6	18CSCS206	Open Elective-I	3		3
7	18CSCS207	Advanced Algorithms Lab		3	1.5
8	18CSCS2080	Term Paper with Seminar		-	3
Total Credits					22.5

III SEMESTER

S.No	Course Code	Name of the Subject	L	P	C
1	18CSCS304	Program Elective-V (Self Learning)	-	-	3
2	18CSCS305	Internship with Seminar	-	-	4
3	18CSCS306	Project-I			5
Total Credits					12

135

IV SEMESTER

S.No	Course Code	Name of the Subject	L	P	C
1	18CSCS306	Project Phase-II	-	-	10
Total Credits					10

Total Credits: 19.5+22.5+12+10=64

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Program Electives:

Program Elective-1	18CSCS105A	Machine Learning
	18CSCS105B	Wireless Sensor Networks
	18CSCS105C	Intelligent Systems
	18CSCS106A	Data Science
Program Elective-2	18CSCS106B	Advanced Wireless and Mobile Networks
	18CSCS106C	Distributed Systems
	18CSCS204A	Data Preparation and Analysis
Program Elective-3	18CSCS204B	Secure Software Design & Enterprise Computing
	18CSCS204C	Computer Vision
	18CSCS205A	Human Computer Interaction
Program Elective-4	18CSCS205B	GPU Computing
	18CSCS205C	Digital Forensics
	18CSCS304A	Mobile Applications and Services
Program Elective-5	18CSCS304B	Compiler for HPC
	18CSCS304C	Optimization Techniques

Open Elective:

18CSCS206A	Business Analytics
18CSCS206B	Industrial Safety/ Advanced Data Structures
18CSCS206C	Operations Research/ Data Warehouse & Data Mining
18CSCS206D	Cost Management of Engineering Projects/ Distributed Systems
18CSCS206E	Composite Materials/ Machine Learning
18CSCS206F	Waste to Energy/ GPU Computing



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