CURRICULUM DOCUMENT

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With

Course Structure

Master of Technology in Computer Science and Engineering M.Tech (CSE)

Batch 2019-2021

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
School for Computational Sciences & Information Communication Technology

Mahatma Gandhi Central University, Motihari, Bihar-845401

M. Tech. (CSE) Course Structure
Dept. of Computer Science and Information Technology
Mahatma Gandhi Central University

SEMESTER-I

S.N	Course Type	Course Code	Course	Credits
1	Core I-	CSET5001	Mathematical foundations of Computer Science	3
2	Core II-	CSET5002	Advanced Data Structures	3
3	Elective I	CSET5003	Machine Learning	3
4	Elective II	CSET5006	Advanced Wireless and Mobile Networks	3
5	Compulsory Course	CSET5009	Research Methodology and IPR	2
6	**Audit Course-1 ***	CSET5010	Audit Course-1	0
7	Laboratory 1	CSET5011	Advanced Data Structures Lab	2
8	Laboratory 2	CSET5012	Machine Learning Lab	2
			Total Credits	**18**

* Note: Audit -Course 1 with 0 credit (Yoga) could not be run in I Semester, the same will be shifted to III semester.

Semester-II

S.N	Course Type	Course Code	Course	Credits
1	Core III	CSET5013	Advanced Algorithms	3
2	Core IV	CSET5014	Soft Computing	3
3	Elective III	CSET5015	Data Science	3
4	Elective IV	CSET5018	Digital Forensics	3
5	Audit Course-2	CSET5021	Constitution of India	0
6	Laboratory 3	CSET5022	Soft Computing Lab	2
7	Laboratory 4	CSET5023	Data Science Lab	2
8	Mini Project with Seminar	CSET5024	Mini Project with Seminar	2
			Total Credits	**18**

SEMESTER-III

S.N	Course Type	Course Code	Course	Credits
1	Elective V	CSET5025	Big Data Analytics	3
2	Open Elective (Through MOOCs)	CSET5026	Operations Research	3
3	Core	CSET5027	Dissertation-I /Software Development Project (Seminar /presentation)	10
			Total Credits	**16**

Semester-IV

S.N	Course Type	Course Code	Course	Credits
1	Core	CSET5027	Dissertation-II /Industrial Project	16
			Total Credits	**16**