

JIS COLLEGE OF ENGINEERING

(A premier Autonomous Institution under JIS Group of Educational Initiatives)

Block A, Phase III, Kalyani, Nadia - 741235 (West Bengal)

033 2582 2865/ 033 2580 8640/ 033 2582 2138/ 0332580 8560

www.jiscollege.ac.ininfo.jiscollege@jisgroup.org

Curriculum Structure of M.Tech. (CSE) 2018 – 2019

Revised Curriculum Structure (To be effective from 2018-19 admission batch)

FIRST SEMESTER						
PAPER CODE	PAPER NAME	WEEKLY CONTACT PERIOD (WCP)			CREDIT	MARKS
		LECTURE	TUTORIAL	PRACTICAL		
T H E O R Y						
PGCS 101	Program Core-I: Mathematical foundations of Computer Science	3	0	0	3	100
PGCS 102	Program Core-II: Advanced Data Structures	3	0	0	3	100
PGCS 103	Program Elective-I: A. Machine Learning B. Wireless Sensor Networks C. Introduction to Intelligent Systems	3	0	0	3	100
PGCS 104	Program Elective-II: A. Data Science B. Distributed Systems C. Advanced Wireless and Mobile Networks	3	0	0	3	100
MLC 101	Research Methodology and IPR	2	0	0	2	100
MC 101	Audit Course-I A. Stress Management by Yoga B. Pedagogy Studies C. Constitution of India D. Personality Development through Enlightenment Skills	2	0	0	0	100
P R A C T I C A L						
PGCS 191	Laboratory-I: Advanced Data Structures Lab	0	0	3	2	100
PGCS 192	Laboratory-II: A. Machine Learning Lab B. Wireless Sensor Networks Lab C. Intelligent Systems Lab D. Data Science Lab E. Distributed Systems Lab F. Advanced Wireless and Mobile Networks Lab	0	0	3	2	100

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SECOND SEMESTER

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PAPER CODE	PAPER NAME	WEEKLY CONTACT PERIOD (WCP)			CREDIT	MARKS
		LECTURE	TUTORIAL	PRACTICAL		
THEORY						
PGCS 201	Program Core III - Advanced Algorithms	3	0	0	3	100
PGCS 202	Program Core IV - Soft Computing	3	0	0	3	100
PGCS 203	Program Elective-III: A. Data Preparation and Analysis B. Secure Software Design & Enterprise Computing C. Computer Vision	3	0	0	3	100
PGCS 204	Program Elective-IV: A. Human and Computer Interaction B. GPU Computing C. Digital Forensics	3	0	0	3	100
MC 201	Audit Course-II: A. English for Research Paper Writing B. Disaster Management C. Sanskrit for Technical Knowledge D. Value Education	2	0	0	0	100
PRACTICAL						
PGCS 291	Laboratory-III: A. Advanced Algorithms Lab B. Soft Computing Lab	0	0	3	2	100
PGCS 292	Laboratory-IV: A. Data Preparation and Analysis Lab B. Secure Software Design & Enterprise Computing Lab C. Computer Vision Lab D. Human and Computer Interaction Lab E. GPU Computing Lab F. Digital Forensics Lab	0	0	3	2	100
PGCS 281	Mini Project with Seminar	0	0	2	2	100

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Fourth SEMESTER						
PAPER CODE	PAPER NAME	WEEKLY CONTACT PERIOD (WCP)			CREDIT	MARKS
		LECTURE	TUTORIAL	PRACTICAL		
P R A C T I C A L						
PGCS 481	Dissertation-II	0	0	32	16	100
TOTAL CREDIT: 16						