

Nagindas Khandwala College (Autonomous)

Affiliated to University of Mumbai



**MKES's Nagindas Khandwala College (Autonomous),
Gate No 5, Bhavishya Bharat Campus, S. V. Road, Malad (West)
Mumbai-400 064**

Programme Code: PMSCIT

**Post Graduate Programme: Master of Science Information
Technology (MSc IT) Programme**

Two Year Integrated Programme -

Four Semesters

Course Structure

Under Choice Based Credit, Grading and Semester System

Implemented during Academic Year- 2020-21

PRINCIPAL

**NAGINDAS KHANDWALA COLLEGE OF COMMERCE
ARTS & MANAGEMENT STUDIES AND SHANTABEN
NAGINDAS KHANDWALA COLLEGE OF SCIENCE**

MALAD MUMBAI - 400064



MSc IT

Nagindas Khandwala College (Autonomous)

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**Post Graduate Programme: Master of Science Information
Technology (MSc IT)**

CONCEPTUAL FRAMEWORK

Part - I, Semester I & II

Sr. No.	Semester I	Subject code	Credits	Sr. No.	Semester II	Subject code	Credits
1	Core 1: Research in Computing	2011PITRC	04	1	Core 3: Internship/ Research paper/ mini-project	2021PITRP	04
2	Core 2: Machine Learning	2012PITML	04	2	Core 4: Soft Computing	2022PITSC	04
3	Elective-I (Any One): Foundations of Data Science; Distributed Systems	2013PITFD 2013PITDS	04	3	Elective-III (Any One): Foundations of Big Data; Cloud Computing	2023PITBD 2023PITCC	04
4	Elective-II (Any One): Cyber and Information Security; Analysis of Algorithms	2014PITCS 2014PITAA	04	4	Elective-IV (Any One): Computer Forensic; Optimization Techniques	2024PITCF 2024PITOT	04
5	Research in Computing Practical	2015PITRC	02	5	Paper Presentation/ Paper Publication	2025PITRP	02
6	Machine Learning Practical	2016PITML	02	6	Soft Computing Practical	2026PITSC	02
7	(Any 1 of 2, corresponding to theory opted)	2017PITFD	02	7	(Any 1 of 2, corresponding to theory opted)	2027PITBD 2027PITCC	02



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	Foundations of Data Science Practical; Distributed Systems Practical	2017PITDS			Foundations of Big Data Practical Cloud Computing Practical		
8	(Any 1 of 2, corresponding to theory opted) Cyber and Information Security Practical Analysis of Algorithms Practical	2018PITCS 2018PITAA	02	8	(Any 1 of 2, corresponding to theory opted) Computer Forensic Practical Optimization Techniques Practical	2028PITCF 2028PITOT	02
	TOTAL		24		TOTAL		24



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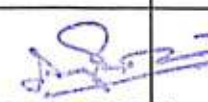


MSC IT

Nagindas Khandwala College (Autonomous)

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Part II, Semester III & IV

Sr. No.	Semester III	Subject code	Credits	Sr. No.	Semester IV	Subject code	Credits
1	Core -9 : Embedded Systems	1731PITES	4	1	Core -11 : Artificial Intelligence	1741PITAI	4
2	Core -10: Information Security Management	1732PITIS	4	2	Core -12: IT Infrastructure Management	1742PITIM	4
3	DSE 1: (Any 1 of 2) Artificial Neural Networks; Virtualization	1733PITNN 1733PITVR	4	3	DSE 3: (Any 1 of 3) Intelligent Systems; Real Time Embedded Systems; Computer Forensics	1743PITIS 1743PITES 1743PITCF	4
4	DSE 2: (Any 1 of 2) Digital Image Processing; Ethical Hacking	1734PITIP 1734PITEH	4	4	DSE 4: (Any 1 of 3) Advanced Image Processing; Design of Embedded Control Systems; Cloud Management	1744PITIP 1744PITES 1744PITCM	4
5	Embedded Systems Practical	1735PITES	2	5	(Any 1 of 3, corresponding to theory opted) Intelligent Systems Practical; Real Time Embedded Systems Practical; Computer Forensics Practical	1745PITIS 1745PITES 1745PITCF	2
6	Information Security Management Practical	1736PITIS	2	6	(Any 1 of 2, corresponding to	 PRINCIPAL	



					theory opted)		
					Advanced Image Processing Practical;	1746PITIP	
					Design of Embedded Control Systems Practical;	1746PITES	2
					Cloud Management Practical	1746PITCM	
7	(Any 1 of 2, corresponding to theory opted)	1737PITNN		7			
	Artificial Neural Networks Practical;		2		Project	1747PITPR	4
	Virtualization Practical	1737PITVR					
8	(Any 1 of 2, corresponding to theory opted)	1738PITIP					
	Digital Image Processing Practical;		2				
	Ethical Hacking Practical	1738PITEH					
	TOTAL		24		TOTAL		24



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