

MASTER OF COMPUTER APPLICATION

Syllabus w.e.f. the Academic Session 2020-2021





MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY WEST BENGAL

Second Year: Semester-IV

Code: MCAN-O401	Paper: Open Elective	
Contacts Hours / Week: Not applicable	Total Contact Hours: Not applicable	Credit: 3
Open Elective		
Business Analytics		
Robotics		
Bioinformatics		
Information Theory &Coding		
Automation in VLSI Design		
Intelligent Control		
Design of Embedded Systems		
Machine Learning		
Soft Computing		
Information Retrieval		
Distributed System		
Digital Marketing		
(While opting for a domain for pursuit	ng the online course, a student needs to ensure that the	e domain was not covered in
previous semesters of the program.)		
Student may opt for a minimum 12-we	ek online course from Massive Open Online Courses (M	MOOCs) in one or any of the
above domains with prior approval for	m the University and/or his/her Institution. In such cas	se, student needs to submit a
self-attested copy of the mark-sheet of	this online course to college well before the end of S	Semester IV. Directly on the

basis of the result obtained by a student, final marks will be allocated to him/her. In case a student pursues a non-

evaluation based online course, an in-house evaluation would be done.

MCA Syllabus

Code: MCAN-481	Paper: Comprehensive Viva-Voce	
Contacts Hours / Week: Not A	Applicable Total Contact Hours: Not Applicable	Credit: 2

Course Objective

Objective of comprehensive viva-voce is to assess the overall knowledge of the student in the relevant field of computer science and application acquired over 2 years of study in the MCA Program.

The viva shall normally cover the subjects taught in all the semesters of MCA Program. This will test the student's learning and understanding during the course. In doing so, the main objective of this course is to prepare the students to face interview both in the academic and the industrial sector.

Code: MCAN-482	Paper: Major Project & Viva-Voce	
Contacts Hours / Week: 28	Total Contact Hours: 12-15 Weeks	Credit: 20
A student needs to pursue a resea	arch/application based project in any of the following modes:	

[A] In his/her institution under the supervision/mentorship of assigned teacher(s) belonging to that institution.

[B] In his/her institution under the joint supervision/mentorship of assigned teacher(s) belonging to that institution and invited external expert(s).

[C] In a research/software/hardware organization under the joint supervision/mentorship of assigned teacher(s) belonging to that institution and external expert(s) belonging to that research/software/hardware organization.

On completion of the same, an evaluation will be made by the institution on the basis of Project Report, Project Presentation, Viva-voce and sufficient measures will be taken by the institution to understand that the project is an outcome based work as a product of student's sole effort.