

Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly West Bengal University of Technology)
Syllabus for B. Tech in CSE(Data Science)
(Applicable from the academic session 2020-2021)

Fourth Semester								
Sl No.	Category	Subject Code	Subject Name	Total Number of Contact hours			Credits	
				L	T	P		
Theory								
1	Professional Core Courses	PCC- CS401	Discrete Mathematics	3	1	0	4	
2	Professional Core Courses	PCC-DS 401	Database Management System	3	0	0	3	
3	Professional Core Courses	PCC-CS403	Formal Language & Automata Theory	3	0	0	3	
4	Professional Core Courses	PCC-CS 404	Design & Analysis of Algorithms	3	0	0	3	
5	Professional Core Courses	PCC-DS 402	Data Mining	3	0	0	3	
6	Basic Science Courses	BSC 401	Biology	2	1	0	3	
7	Mandatory Courses	MC401	Environmental Sciences	1	0	0	0	
		Total Theory		18	1	0	19	
Practical								
1	Professional Core Courses	PCC-DS 491	Database Management System Lab	0	0	4	2	
2	Professional Core Courses	PCC- CS 494	Design & Analysis of Algorithms Lab	0	0	4	2	
3	Professional Core Courses	PCC- DS492	Data Mining Lab	0	0	4	2	
		Total Practical		0	0	12	6	
		Total credit for Fourth Semester						25