

**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)**

<b>Fifth Semester</b>							
Sl No.	Category	Subject Code	Subject Name	Total Number of Contact hours			Credits
				L	T	P	
<b>Theory</b>							
1	Engineering Science Course	ESC501	Software Engineering	3	0	0	3
2	Professional Core Courses	PCC- DS501	Statistics for Data Science	3	0	0	3
3	Professional Core Courses	PCC- CS502	Operating Systems	3	0	0	3
4	Professional Core Courses	PCC-CS503	Object Oriented Programming	3	0	0	3
5	Humanities & Social Sciences Including Management Courses	HSMC-501	Introduction to Industrial Management (Humanities III)	3	0	0	3
6	Professional Elective Courses	PEC-DS 501A/B/C/D/E	(Elective-I) Theory of Computation/Mobile Computing and Applications / Advanced Computer Architecture/ Computer Graphics/ Compiler Design	3	0	0	3
7	Mandatory Courses	MC- CS501	Constitution of India/ Essence of Indian Knowledge Tradition	0	0	0	0
		Total Theory		18	0	0	18
<b>Practical</b>							
1	Professional Core Courses	ESC-591	Software Engineering Lab		0	4	2
2	Professional Core Courses	PCC-CS592	Operating Systems Lab		0	4	2
3	Professional Core Courses	PCC-CS593	Object Oriented Programming Lab		0	4	2
		Total Practical I		0	0	12	6
		Total credit for Fifth Semester					24