

**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>Sixth Semester</b>							
Sl No.	Category	Subject Code	Subject Name	Total Number of Contact hours			Credits
				L	T	P	
<b>Theory</b>							
1	Professional Core Courses	PCC-DS601	Artificial Intelligence	3	0	0	3
2	Professional Core Courses	PCC-DS602	Data Communication and Computer Networks	3	0	0	3
3	Professional Core Courses	PCC-DS603	Big Data Technology	3	0	0	3
4	Professional Elective Courses	PEC-DS601A/B/C/D/E	(Elective-II) Advanced Algorithms/ Distributed Systems/ Information Security / Image Processing/ Machine Learning	3	0	0	3
5	Professional Elective Courses	PEC-DS602A/B/C/D	(Elective-III) Parallel and Distributed Algorithms/ Data Warehousing / Human Computer Interaction/ Data Analysis and Modeling Technique	3	0	0	3
6	Open Elective Courses	OEC-DS601A/B/C	(Open Elective-) Numerical Methods/ Human Resource Development and Organizational Behavior/ Social Computing	3	0	0	3
7	Theory	PROJ-DS601	Research Methodology	3	0	0	3
		Total Theory		21	0	0	19
<b>Practical</b>							
1	Professional Core Courses	PCC-CS(DS)691	Artificial Intelligence Lab	0	0	4	2
2	Professional Core Courses	PCC-CS692	Data Communication and Computer Networks Lab	0	0	4	2
3	Professional Core Courses	PCC-DS693	Big Data Technology and OLAP Lab	0	0	4	2
		Total Practical		0	0	12	6
		Total of Sixth Semester					25