

**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)**

Seven Semester							
Sl No.	Category	Subject Code	Subject Name	Total Number of Contact hours			Credits
				L	T	P	
<b>Theory</b>							
2	Professional Core Courses	PEC-DS701A/B/C/D/E/F	(Elective-IV) Quantum Computing/ Cloud Computing/ Digital Signal Processing/Multi-agent Intelligent Systems/ Time Series Analysis and Forecasting / Data Visualization	3	0	0	3
3	Professional Elective Courses	PEC- DS 702A/B/ C/D/E/F	(Elective-V) Neural Networks and Deep Learning/ Soft Computing/ Ad-Hoc and Sensor Networks/Information Theory and Coding/Surveillance and Cyber Security / Pattern Recognition	3	0	0	3
4	Open Elective courses	OEC- DS 701A/B/ C	(Open Elective-II) Operations Research/Multimedia Technology/ Soft Skill & Interpersonal Communication	3	0	0	3
5	Humanities & Social Sciences including Management Courses	HSMC701	Project Management and Entrepreneurship	2	1	0	3
6	Project	PROJ-CS781	Project-II	0	0	12	6
Total credit for Seven Semester				18			