

Maulana Abul Kalam Azad University of Technology, West Bengal
(Formerly West Bengal University of Technology)
Syllabus for M. Sc. In Human Computing & Artificial Intelligence
(Effective for Academic Session 2019-2020)

COURSE STRUCTURE

1ST YEAR

SL No	CODE	Paper	Contact Periods per week			Total Contact Hours	Credits
			L	T	P		
SEMESTER I							
Theory							
1	AEM101	Advanced Engineering Math		4	0	4	4
2	ALD102	Algorithm & Logic Design		4	0	4	4
3	ALD103	Introduction to Artificial Intelligence and Machine Learning		3	0	4	4
4	OSC104	Soft Computing		3	0	4	4
5	ALD105	Programming using Python		4	0	4	4
Practical							
1	ALP191	Practical AI using SAS		0	2	2	2
2	ALP192	Python Lab		0	2	2	2
Total Credit			24				
SEMESTER II							
Theory							
1	AST201	Advanced Statistics		4	0	4	4
2	ADS202	Advanced Data Structure		4	0	4	4
3	NWF203	Robot Motion Planning		4	0	4	4
4	ALD203	Advanced Programming in Python		3	0	3	3
5	ADS204	Big Data Technology		3	0	3	3
Practical							
1	ALP291	Advance Python Lab		0	2	2	2
2	ALP292	Robotics Lab		0	2	2	2
Total Credit			22				

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2ND YEAR

SL No	CODE	Paper	Contact Periods per week			Total Contact Hours	Credits
			L	T	P		
SEMESTER III							
Theory							
1	ADS301	Image Processing		4	0	4	4
2	DTM302	Machine Learning		4	0	4	4
3	CGA303	Operation Research		4	0	4	4
4	AIB304	Modeling & Simulation		3	0	3	3
5	ISO305	Cloud Computing		3	0	3	3
Practical							
1	ADP391	Advanced Data Structure Programming		0	2	2	2
2	PML392	Practical on Machine Learning		0	2	2	2
Total Credit			22				
SEMESTER IV							
Practical							
1	PRO491	Major Project & Viva Voci			22	22	
Total Credit			22				