

**DR. A.P.J. ABDUL KALAM TECHNICAL UNIVERSITY,
LUCKNOW, UTTAR PRADESH**



**EVALUATION SCHEME & SYLLABUS
FOR
B. TECH. 4TH YEAR**

**Computer Science and Engineering-
Artificial Intelligence Machine Learning**

Based On

AICTE Model Curriculum & NEP2020

(Effective from the Session: 2025-26)

**B. TECH (COMPUTER SCIENCE & ENGINEERING-
ARTIFICIAL INTELLIGENCE MACHINE LEARNING
CURRICULUM STRUCTURE**

SEMESTER- VII														
Sl. No.	Subject Code	Subject	Learning Mode	Periods			Evaluation Scheme				End Semester		Total	Credit
				L	T	P	CT	TA	Total	PS	TE	PE		
1	BAI701	Deep Learning	Offline	3	-	-	20	10	30		70		100	3
2	B**07*	Deptt- Elective-IV	Offline	3	-	-	20	10	30		70		100	3
3	BOEM**	Open Elective-II	Offline/ MOOC's	3	0	0	20	10	30		70		100	3
4	BAI751	Deep Learning Lab	Offline	0	0	2				50		50	100	1
5	BCS752	Mini Projects or Internship Assessment*		0	0	4	-	-	-	100	-	-	100	2
6	BCS753	Project-1		0	0	10				150		-	150	5
7	BCS754	Startup and Entrepreneurial Activity Assessment#		0	0	4				100			100	2
		Total		9	0	20							750	19

*The Mini Project or internship (5-6 weeks) conducted during summer break after VI semester will be assessed during VII semester.
#The Startup and Entrepreneurial Activity Assessment will be done in the 7th semester, under which a student will have to undergo a startup/entrepreneurship activity of at least 60 hours till the 6th semester

SEMESTER- VIII														
Sl. No.	Subject Code	Subject	Learning Mode	Periods			Evaluation Scheme				End Semester		Total	Credit
				L	T	P	CT	TA	Total	PS	TE	PE		
1	BOENM**	Open Elective-III	MOOC'S	3	0	0	20	10	30		70		100	3
2	BOENM**	Open Elective-IV	MOOC'S	3	0	0	20	10	30		70		100	3
4	BCS851	Project-II		0	0	18				100		350	450	10
		Total		6	0	18							650	16

The Internal Assessment of MOOCs will be done by the respective institute, and the External Assessment (End Semester Examination) will be done by the University.

Departmental Elective-IV

1. BCS070- Internet of Things
2. BCS072- Cryptography & Network Security
3. BAI070- Principles of Generative AI
4. BAI071- Blockchain Architecture Design