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

EVALUATION SCHEME & SYLLABUS

FOR

B. TECH. 4TH YEAR

- **Computer Science**
- **Computer Engineering**
- **Computer Science and Engineering**

Based On

National Education Policy (NEP2020) राष्ट्रीय शिक्षा नीति -2020

(Effective from the Session: 2025-26)

B. TECH (COMPUTER SCIENCE & ENGINEERING/ COMPUTER SCIENCE/CE) CURRICULUM STRUCTURE

		SEMESTER- VII												
S. No.	Code	Subject	Learning Mode	LTP			Evaluation Scheme						Total	Credit
				L	T	P	CT	TA	Total	PS	TE	PE		
1	BCS701	Artificial Intelligence	Offline	3	-	-	20	10	30	-	70	-	100	3
2	Departmental Elective-IV	Departmental Elective-IV	Offline	3	-	-	20	10	30	-	70	-	100	3
3	BOEM**	Open Elective-II	Offline/ MOOCs	3	0	0	20	10	30	-	70	-	100	3
4	BCS751	Artificial Intelligence LAB	Offline	0	0	2	-	-	-	50	-	50	100	1
5	BCS752	Mini Project or Internship Assessment*		0	0	4	-	-	-	100	-	-	100	2
6	BCS753	Project-I		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 and will be assessed during VII semester. #The Startup and Entrepreneurial Activity Assessment will be done in 7th semester under which a student will have to undergo a startup/entrepreneurship activity of at least 60 hours till 6th semester												

		SEMESTER- VIII												
S. No	Code	Subject	Learning Mode	Periods			Evaluation Scheme						Total	Credit
				L	T	P	CT	TA	Total	PS	TE	PE		
1	BOEM**	Open Elective-III	MOOCs	3	0	0	20	10	30		70		100	3
2	BOEM**	Open Elective-IV	MOOCs	3	0	0	20	10	30		70		100	3
3	BCS851	Project-II		0	0	18				100		350	450	10
		Total		**6**	**0**	**18**	**24**						**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. BCS071 Cloud Computing
3. BCS072 Cryptography and Network Security
4. BCS073 Design & Development of Applications