

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



EVALUATION SCHEME & SYLLABUS

FOR

B. TECH. FOURTH YEAR

ELECTRONICS ENGINEERING
ELECTRONICS AND COMMUNICATION ENGINEERING
ELECTRONICS AND TELECOMMUNICATION ENGINEERING

AS PER

AICTE MODEL CURRICULUM

[Effective from the Session: 2025-26]

ELECTRONICS AND COMMUNICATION ENGINEERING

B.Tech. VII Semester Electronics and Communication Engineering

S. No.	Course Code	Course Title	Learning Mode	Periods			Evaluation Scheme				End Semester		Total	Credits
				L	T	P	CT	TA	Total	PS	TE	PE		
1	BEC701	VLSI Design	Offline	3	0	0	20	10	30	-	70	-	100	3
2	BEC071-074	Departmental Elective-IV	Offline	3	0	0	20	10	30	-	70	-	100	3
3	BOEM**	Open Elective-II	Offline/ MOOCs	3	0	0	20	10	30	-	70	-	100	3
4	BEC751	VLSI Design Lab	Offline	0	0	2	-	-	-	50	-	50	100	1
5	BEC752	Mini Project or Internship Assessment*		0	0	4	-	-	-	100	-	-	100	2
6	BEC753	Project-I		0	0	10	-	-	-	150	-	-	150	5
7	BEC754	Start-up 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												

Course Code

Course Title

Department Elective-I

BEC-071	Wireless & Mobile Communication
BEC-072	Information Theory & Coding
BEC-073	Microwave & Radar Engineering
BEC-074	Drone Systems: Design, Control & Navigation

B.Tech. VIII Semester
Electronics and Communication Engineering

Sr. No.	Subject Code	Subject	Learning Mode	Periods			Evaluation Scheme				End Semester		Total	Credits
				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	BEC851	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.