

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



**EVALUATION SCHEME & SYLLABUS**

**FOR**

**B. TECH. SECOND YEAR**

ELECTRONICS ENGINEERING/ ELECTRONICS AND  
COMMUNICATION ENGINEERING/ ELECTRONICS AND  
TELECOMMUNICATION ENGINEERING/ ELECTRONICS AND  
INSTRUMENTATION ENGINEERING/ INSTRUMENTATION AND  
CONTROL ENGINEERING/ APPLIED ELECTRONICS AND  
INSTRUMENTATION/ INSTRUMENTATION ENGINEERING

**AS PER**

**AICTE MODEL CURRICULUM**

**[Effective from the Session: 2018-19]**

**Course:B. TECH.  
Second Year, Semester III**

Sr. No.	Course Code	Course Title	L	T	P	Contact Hrs./wk.	Credits
1	KOE308	Electronics Engineering	3	0	0	3	3
2.	KAS301	Technical Communication	2	0	2	4	3
3.	KEC301	Electronic Devices	3	1	0	4	4
4.	KEC302	Digital System Design	3	1	0	4	4
5.	KEC303	Network Analysis and Synthesis	3	1	0	4	4
6.	KEC351	Electronics Devices Lab	0	0	2	2	1
7.	KEC352	Digital System Design Lab	0	0	2	2	1
8.	KEC353	Network Analysis and Synthesis lab	0	0	2	2	1
9.	KEC354	Mini Project or Internship Assessment	0	0	2	2	1
10.	KNC301 /KNC302	Cyber Security/Environmental Science	2	0	0	2	NC+
11.		MOOCs (Essential for Hons. Degree)					
TOTAL CREDITS							22

**Course:B. TECH.  
Second Year, Semester IV**

Sr. No.	Course Code	Course Title	L	T	P	Contact Hrs./wk.	Credits
1.	KAS401	Maths-IV	3	1	0	4	4
2.	KVE401	Universal Human Values	3	0	0	3	3
3.	KEC401	Communication Engineering	3	0	0	3	3
4.	KEC402	Analog Circuits	3	1	0	4	4
5.	KEC403	Signal System	3	1	0	4	4
6.	KEC451	Communication Engineering Lab	0	0	2	2	1
7.	KEC452	Analog Circuits Lab	0	0	2	2	1
8.	KEC453	Signal System Lab	0	0	2	2	1
9.	KNC402/ KNC401	Environmental Science/Cyber Security	2	0	0	2	NC+
10.		MOOCs (Essential for Hons. Degree)					
TOTAL CREDITS							21

**MOOCS(Essential for Hons. Degree):**

1. Programming, Data Structure and Algorithms using Python.
2. Mathematical Methods and its Applications.
3. MATLAB, Programing for Numerical Computation
4. Artificial Intelligence: Knowledge Representations and Reasoning.
5. Communication Skills.
6. Introduction on Intellectual Property to Engineers and Technologists.