

Dr. APJ Abdul Kalam Technical University, Lucknow

Dr. A.P.J. Abdul Kalam Technical University, Lucknow- Uttar Pradesh

Bachelor of Technology (CSE Stream)

B.TECH. FIRST YEAR, SEMESTER-I

Scheme of Teaching and Examinations (w.e.f. 2026-27)

I Semester												
3- WEEKS STUDENT INDUCTION PROGRAMME IN THE BEGINNING OF THE SESSION AS PER AICTE GUIDELINES												
Sr. No.	Course Category	Course Code	Course Title	Teaching Department	L	T	P	NCrF Hrs.	IA (TS/PS) (CT+TA)	EA (TE/PE)	Total Marks (IA+EA)	Credits
1	BSC	AAS101E/ AAS102D	Quantum Physics and Applications / Applied Chemistry for Smart Systems	AS&H	3	0	0	45	30	70	100	03
2	BSC	AAS103D	Calculus and Linear Algebra	AS&H	3	1	0	60	30	70	100	04
3	ESC	AEE101A/ AEC101A	Fundamentals of Electrical Engineering / Fundamentals of Electronics Engineering	EE/ ECE	2	1	0	45	30	70	100	03
4	ESC	ACS101	Programming Languages	CSE	2	1	0	45	30	70	100	03
5	HSMC	AAS104/ AAS105	Introduction to Indian Knowledge System/ Professional Communication & Technical Writing	AS&H	2	0	0	30	30	70	100	02
6	ESC	AAI101/ AME101A	Introduction to AI & Prompt Engineering/ Fundamentals of Mechanical Engineering	Respective Deptt./ ME	2	0	0	30	30	70	100	02
7	BSC	AAS151/ AAS152D	Applied Physics Lab/ Applied Chemistry for Smart Systems Lab	AS&H	0	0	2	30	50	50	100	01
8	ESC	AEE151A/ AEC151A	Electrical Engineering Lab / Electronics Engineering Lab	EE /ECE	0	0	2	30	50	50	100	01

9	ESC/ SDC	ACE151E/ AID151	Computer-Aided Engineering Drawing Lab/Innovation & Design Thinking Lab (Project-Based Learning)	CE/ Respective Engg.	0	1	2	45	50	50	100	02
10	BSC/ NCMC	AAS153/ AAC101	Language Lab/ Environment & Sustainability	AS&H	0	0	2	30	50	50	100	-
					2	0	0	30	30	70	100	-
11	NCMC	AGP151	General Proficiency	Respective Deptt.	0	0	2	30	50	—	50	-
				Total	16	04	10	450	330	570	900	21

AICTE Activity Points (Mandatory)(i) Students must earn **100** activity points between Semester 1 to 8

(ii) Mandatory requirement for award of degree

Course Category Abbreviations:**BSC** – Basic Science Course; **ESC** – Engineering Science Course; **PSC** – Programme Specific Course; **AEC** – Ability Enhancement Course;**NCMC** – Non-Credit Mandatory Course; **SDC** – Skill Development Course; **HSMC** – Humanities, Social Science & Management Course;**AS&H**– Applied Science and Humanities