

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



Evaluation Scheme & Syllabus

For

B.Tech. 3rd Year

(IT and CSI)

On

Choice Based Credit System

(Effective from the Session: 2020-21)

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

B.TECH (COMPUTER SCIENCE & ENGINEERING) CURRICULUM STRUCTURE

SEMESTER- V

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit	
			L	T	P	CT	TA	Total	PS	TE	PE			
1	KCS501	Database Management System	3	1	0	30	20	50		100		150	4	
2	KIT501	Web Technology	3	1	0	30	20	50		100		150	4	
3	KCS503	Design and Analysis of Algorithm	3	1	0	30	20	50		100		150	4	
4		Departmental Elective-I	3	0	0	30	20	50		100		150	3	
5		Departmental Elective-II	3	0	0	30	20	50		100		150	3	
6	KCS551	Database Management System Lab	0	0	2				25		25	50	1	
7	KIT551	Web Technology Lab	0	0	2				25		25	50	1	
8	KCS553	Design and Analysis of Algorithm Lab	0	0	2				25		25	50	1	
9	KCS554	Mini Project or Internship Assessment*	0	0	2				50			50	1	
10	NC ⁺	Constitution of India / Essence of Indian Traditional Knowledge	2	0	0	15	10	25		50				
11		MOOCs (Essential for Hons. Degree)												
		Total	17	3	8							950	22	

*The Mini Project or internship (4 weeks) conducted during summer break after IV semester and will be assessed during V semester.

SEMESTER- VI													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KCS601	Software Engineering	3	1	0	30	20	50		100		150	4
2	KIT601	Data Analytics	3	1	0	30	20	50		100		150	4
3	KCS603	Computer Networks	3	1	0	30	20	50		100		150	4
4		Departmental Elective-III	3	0	0	30	20	50		100		150	3
5		Open Elective-I	3	0	0	30	20	50		100		150	3
6	KCS661	Software Engineering Lab	0	0	2				25		25	50	1
7	KIT661	Data Analytics Lab	0	0	2				25		25	50	1
8	KCS663	Computer Networks Lab	0	0	2				25		25	50	1
9	NC ⁺	Essence of Indian Traditional Knowledge/Constitution of India	2	0	0	15	10	25		50			
10		MOOCs (Essential for Hons. Degree)											
		Total	0	3	6							900	21

NC⁺ : Non Credit Course

Departmental Elective-I

1. KIT-051 Statistical Computing
2. KIT-052 Compiler Design
3. KCS-053 Computer Graphics
4. KCS -054 Application of Soft Computing

Departmental Elective-II

1. KCS-055 Machine Learning Techniques
2. KCS -056 Object Oriented System Design
3. KCS-057 Augmented & Virtual Reality
4. KCS-058 Human Computer Interface

Departmental Elective-III

1. KCS-061 Big Data
2. KCS-062 Image Processing
3. KIT -061 Blockchain Architecture Design
4. KCS-064 Data Compression