

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



**Evaluation Scheme & Syllabus
For
B.Tech. Fourth Year
(Computer Science and Engineering/Computer
Science)
On
Choice Based Credit System**

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

**B.Tech. (Computer Science and Engineering)
VII SEMESTER**

Sl. No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
				ESE	CT	TA		
1	Open Elective-1	Open Elective Course -1	3-0-0	70	20	10	100	3
2	CS Elective-3	Deptt Elective Course-3	3-0-0	70	20	10	100	3
3	CS Elective-4	Deptt Elective Course-4	3-1-0	70	20	10	100	4
4	RCS701	Distributed System	3-1-0	70	20	10	100	4
5	RCS702	Artificial Intelligence	3-0-0	70	20	10	100	3
6	RCS751	Distributed System Lab	0-0-2	50		50	100	1
7	RCS752	Artificial Intelligence Lab	0-0-2	50		50	100	1
8	RCS753	Industrial Training	0-0-3			100	100	2
9	RCS754	Project	0-0-6			200	200	3
	TOTAL			450	100	450	1000	24

B.Tech. (Computer Science and Engineering)
VIII SEMESTER

Sl. No.	Subject Code	Subject Name	L-T-P	Th/Lab Marks	Sessional		Total	Credit
				ESE	CT	TA		
1	Open Elective-2	Open Elective Course-2	3-0-0	70	20	10	100	3
2	CS Elective-5	Deptt Elective Course-5	3-1-0	70	20	10	100	4
3	CS Elective-6	Deptt Elective Course-6	3-0-0	70	20	10	100	3
4	RCS851	Seminar	0-0-3			100	100	2
5	RCS852	Project	0-0-12	350		250	600	12
	TOTAL			560	60	380	1000	24

DEPARTMENTAL ELECTIVES

CS-ELECTIVE -3:

1. RCS070 Embedded Systems
2. RCS071 Application of Soft Computing
3. RCS072 High Performance Computing
4. RCS073 Human Computer Interface

CS-ELECTIVE-4:

1. RCS075 Cloud Computing
2. RCS076 Blockchain Architecture Design
3. RCS077 Agile Software Development
4. RCS078 Augmented & Virtual Reality

CS-ELECTIVE-5:

1. RCS080 Machine Learning (Mapping with MOOCS: https://onlinecourses.nptel.ac.in/noc17_cs17/preview
https://onlinecourses.nptel.ac.in/noc17_cs26/preview)
2. RCS081 Game Programming
3. RCS082 Image Processing (Mapping with MOOCS: https://onlinecourses.nptel.ac.in/noc18_ee40/preview
<https://nptel.ac.in/courses/106105032/>)
4. RCS083 Parallel and Distributed Computing (Mapping with MOOCS: <https://nptel.ac.in/courses/106102114/>,
<https://nptel.ac.in/courses/106104024/>)

CS-ELECTIVE-6:

1. RCS085 Speech Natural language processing (Mapping with MOOCS: <https://nptel.ac.in/courses/106101007/>
<https://nptel.ac.in/courses/106105158/>)
2. RCS086 Deep Learning (Mapping with MOOCS: https://onlinecourses.nptel.ac.in/noc18_cs41/preview)
3. RCS087 Data Compression
4. RCS088 Quantum Computing (Mapping with MOOCS: https://onlinecourses.nptel.ac.in/noc18_cy07)