

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



**EVALUATION SCHEME & SYLLABUS
FOR
B. TECH. IV YEAR
ELECTRICAL & ELECTRONICS ENGINEERING
ON
CHOICE BASED CREDIT SYSTEM (CBCS)
[Effective from the Session: 2019-20]**

EVALUATION SCHEME
B-TECH. ELECTRICAL & ELECTRONICS ENGINEERING

YEAR 4th / SEMESTER-VII

S. No.	Subject Code	Subject Name	Department	L-T-P	Th./Lab Marks	Sessional		Total	Credit
					ESE	CT	TA		
1		OPEN ELECTIVE COURSE-1	Other Deptt.	3--0--0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-3	Core Deptt.	3--0--0	70	20	10	100	3
3		DEPTT ELECTIVE COURSE-4	Core Deptt.	3--1--0	70	20	10	100	4
4	REN701	COMMUNICATION SYSTEMS	Core Deptt.	3--1--0	70	20	10	100	4
5	REE702	POWER SYSTEM PROTECTION	Core Deptt.	3--0--0	70	20	10	100	3
6	REE751	INDUSTRIAL AUTOMATION & PLC LAB	Core Deptt.	0--0--2	50		50	100	1
7	REE752	POWER SYSTEM LAB	Core Deptt.	0--0--2	50		50	100	1
8	REN753	INDUSTRIAL TRAINING	Core Deptt.	0--0--3			100	100	2
9	REN754	PROJECT-1	Core Deptt.	0--0--6			200	200	3
	TOTAL				450	100	450	1000	24

DEPTT. ELECTIVE COURSE-3

1. REE070: Microprocessors and Microcontrollers
2. REE071: Utilization of Electrical Energy & Electric Traction
3. REE072: Introduction to Smart Grid
4. REN070: Introduction to Robotics

DEPTT. ELECTIVE COURSE-4

1. REE075: Industrial Automation and Control
2. REE076: Energy Efficiency & Conservation
3. REE077: Reliability Engineering
4. REN075: Telemetry & Data Transmission

EVALUATION SCHEME

B-TECH. ELECTRICAL & ELECTRONICS ENGINEERING

YEAR 4th / SEMESTER-VIII

S. No.	Subject Code	Subject Name	Department	L-T-P	Th/Lab Marks	Sessional		Total	Credit
					ESE	CT	TA		
1		OPEN ELECTIVE COURSE-2	Other Deptt.	3--0--0	70	20	10	100	3
2		DEPTT ELECTIVE COURSE-5	Core Deptt.	3--1--0	70	20	10	100	4
3		DEPTT ELECTIVE COURSE-6	Core Deptt.	3--0--0	70	20	10	100	3
4	REN851	GD & SEMINAR	Core Deptt.	0--0--3			100	100	2
5	REN852	PROJECT-2	Core Deptt.	0--0--12	350		250	600	12
	TOTAL				560	60	380	1000	24

DEPTT. ELECTIVE COURSE-5

1. REE080: Advanced Control System
2. REE081: Introduction to Power Quality & FACTS
3. REE082: Power System Dynamics, Control and Monitoring (NPTEL)
4. REN080: Optical Fiber Communication

DEPTT. ELECTIVE COURSE-6

1. REE085: EHVAC & DC Transmission
2. REE086: Power Theft & Energy Management
3. REE087: Digital Image Processing
4. REE088: Antennas (NPTEL)