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

EVALUATION SCHEME & SYLLABUS

FOR

B. TECH. 3rd YEAR

ELECTRICAL & ELECTRONICS ENGINEERING

BASED ON

AICTE MODEL CURRICULUM

[Effective from the Session: 2020-21]

EVALUATION SCHEME - B.TECH 3rd YEAR (ELECTRICAL & ELECTRONICS ENGINEERING)

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1		Power System - I	3	1	0	30	20	50		100		150	4
2		Control System	3	1	0	30	20	50		100		150	4
3		Electrical Machines-II	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		Power System-I Lab	0	0	2				25		25	50	1
7		Control System Lab	0	0	2				25		25	50	1
8		Electrical Machines - II Lab	0	0	2				25		25	50	1
9		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**

SEMESTER V

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

Department Elective - I	**Department Elective - II**
Robotics	Optimization Techniques
Sensors and Transducers	Neural Networks & Fuzzy System
Industrial Automation and Control	Digital Signal Processing
Bio-medical Instrumentation	Analog & Digital Communication

SEMESTER VI

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1		Power System-II	3	1	0	30	20	50		100		150	4
2		Microprocessor and Microcontroller	3	1	0	30	20	50		100		150	4
3		Power Electronics	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 [Annexure - B(iv)]	3	0	0	30	20	50		100		150	3
6		Power System-II Lab	0	0	2				25		25	50	1
7		Microprocessor and Microcontroller Lab	0	0	2				25		25	50	1
8		Power Electronics Lab	0	0	2				25		25	50	1
10	NC	Essence of Indian Traditional Knowledge / Constitution of India	2	0	0	15	10	25		50			
11		MOOCs (Essential for Hons. Degree)											
		Total	**17**	**3**	**6**							**900**	**21**

Department Elective - III

Special Electrical Machines

Linear Integrated Circuits

Digital Control System

Embedded systems