

# **ELECTRICAL & ELECTRONICS ENGINEERING**

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



**EVALUATION SCHEME & SYLLABUS  
FOR  
B. TECH. 3<sup>rd</sup> YEAR (EN)  
ELECTRICAL & ELECTRONICS ENGINEERING**

**BASED ON  
AICTE MODEL CURRICULUM  
*[Effective from the Session: 2020-21]***

# ELECTRICAL & ELECTRONICS ENGINEERING

## EVALUATION SCHEME - B.TECH 3<sup>rd</sup> YEAR (ELECTRICAL & ELECTRONICS ENGINEERING)

<b>SEMESTER V</b>													
Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KEE501	Power System - I	3	1	0	30	20	50		100		150	4
2	KEE502	Control System	3	1	0	30	20	50		100		150	4
3	KEE503	Electrical Machines-II	3	1	0	30	20	50		100		150	4
4	KE*051- KE*054	Departmental Elective-I	3	0	0	30	20	50		100		150	3
5	KEE055- KEE058	Departmental Elective-II	3	0	0	30	20	50		100		150	3
6	KEE551	Power System-I Lab	0	0	2					25	25	50	1
7	KEE552	Control System Lab	0	0	2					25	25	50	1
8	KEE553	Electrical Machines - II Lab	0	0	2					25	25	50	1
9	KEN554	Mini Project or Internship Assessment*	0	0	2					50		50	1
10	KNC501/ KNC502	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
11		MOOCs (Essential for Hons. Degree)											
<b>Total</b>			<b>17</b>	<b>3</b>	<b>8</b>							<b>950</b>	<b>22</b>

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

### **DEPARTMENT ELECTIVE - I**

KEE051 Robotics  
 KEE052 Sensors and Transducers  
 KEE053 Industrial Automation and Control  
 KEN051 Bio-Medical Instrumentation

### **DEPARTMENT ELECTIVE - II**

KEE055 Optimization Techniques  
 KEE056 Neural Networks & Fuzzy System  
 KEE057 Digital Signal Processing  
 KEE058 Analog & Digital Communication

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## SEMESTER VI

Sl. No.	Subject Codes	Subject	Periods			Evaluation Scheme				End Semester		Total	Credit
			L	T	P	CT	TA	Total	PS	TE	PE		
1	KEE601	Power System-II	3	1	0	30	20	50		100		150	4
2	KEE602	Microprocessor and Microcontroller	3	1	0	30	20	50		100		150	4
3	KEE603	Power Electronics	3	1	0	30	20	50		100		150	4
4	KE*06*	Departmental Elective-III	3	0	0	30	20	50		100		150	3
5	KOE06*	Open Elective-I	3	0	0	30	20	50		100		150	3
6	KEE651	Power System-II Lab	0	0	2				25		25	50	1
7	KEE652	Microprocessor and Microcontroller Lab	0	0	2				25		25	50	1
8	KEE653	Power Electronics Lab	0	0	2				25		25	50	1
10	KNC601/ KNC602	Constitution of India, Law and Engineering / Indian Tradition, Culture and Society	2	0	0	15	10	25		50			
11		MOOCs (Essential for Hons. Degree)											
		<b>Total</b>	<b>17</b>	<b>3</b>	<b>6</b>							<b>900</b>	<b>21</b>

### DEPARTMENT ELECTIVE - III

KEE 061 Special Electrical Machines

KEN 061 Linear Integrated Circuits

KEE 063 Digital Control System

KEN 062 Embedded Systems