

Maulana Abul Kalam Azad University of Technology, West Bengal*(Formerly West Bengal University of Technology)***Syllabus for B. Tech in Electrical & Electronics Engineering (EEE)**

(Applicable from the academic session 2018-2019)

Curriculum Structure**3rd Semester****Theory:**

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE301	Electric Circuit Theory	3	1	0	4	4
2	PC-EEE302	Analog Electronics	3	0	0	3	3
3	PC-EEE303	Electromagnetic field theory	3	0	0	3	3
4	ES-ME 301	Engineering Mechanics	3	0	0	3	3
5	BS-M 301	Mathematics-III	3	0	0	3	3
6	BS-EEE301	Biology for Engineers	3	0	0	3	3
7	MC-EEE 301	Indian Constitution	3	0	0	3	0
		TOTAL OF SEMESTER:				22	19

Practical / Sessional:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 391	Electric Circuit Theory Laboratory	0	0	2	2	1
2	PC-EEE 392	Analog Electronics laboratory	0	0	2	2	1
3	PC-CS 391	Numerical Methods laboratory	0	0	2	2	1
		Total of Practical / Sessional				06	3
		TOTAL OF SEMESTER:				28	22

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4th Semester

Theory:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 401	Electric machine-I	3	0	0	3	3
2	PC-EEE 402	Digital Electronic	3	0	0	3	3
3	PC-EEE 403	Electrical and Electronics Measurement	3	0	0	3	3
4	ES-ME 401	Thermal Power Engineering	3	0	0	3	3
5	HM-EEE401	Values and Ethics in profession	3	0	0	3	3
6	MC- EEE401	Environmental Science	3	0	0	3	0
		TOTAL OF SEMESTER:				18	15

Practical / Sessional:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 491	Electric Machine-I laboratory	0	0	2	2	1
2	PC-EEE 492	Digital Electronics laboratory	0	0	2	2	1
3	PC-EEE 493	Electrical and electronic measurement laboratory	0	0	2	2	1
4	ES-ME 491	Thermal Power Engineering laboratory	0		2	2	1
		Total of Practical / Sessional				08	4
TOTAL OF SEMESTER:						26	19

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5th Semester

Theory:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 501	Electric machine-II	3	0	0	3	3
2	PC-EEE 502	Power System-I	3	0	0	3	3
3	PC-EEE 503	Control system	3	0	0	3	3
4	PC-EEE 504	Power Electronics	3	0	0	3	3
5	PE-EEE 501		3	0	0	3	3
6	OE 501		3	0	0	3	3
		TOTAL OF SEMESTER:				18	18

Practical / Sessional:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 591	Electric Machine-II laboratory	0	0	2	2	1
3	PC-EEE 592	Control system laboratory	0	0	2	2	1
4	PC-EEE 593	Power Electronics laboratory	0	0	2	2	1
		Total of Practical / Sessional				06	3
TOTAL OF SEMESTER:						24	21

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6th Semester

Theory:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 601	Power System-II	3		0	3	3
2	PC-EEE-602	Micro processor & micro controller	3	0	0	3	3
3	PE-EEE 601		3	0	0	3	3
4	PE-EEE 602		3	0	0	3	3
5	OE-601		3	0	0	3	3
6	HM-601		3	0	0	3	3
TOTAL OF SEMESTER:						18	18

Practical / Sessional:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 691	Power system-II laboratory	0	0	2	2	1
2	PC-EEE692	Micro processor & microcontroller laboratory	0	0	2	2	1
2	PC-EEE 693	Electrical & Electronic design laboratory	1	0	4	5	3
		Total of Practical / Sessional				09	05
TOTAL OF SEMESTER:						27	23

Summer Internship of 3-week duration after 6 th semester. Students will be assessed based on submission of report on internship and presentation in a seminar in 7 th semester
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7th Semester

Theory:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 701	Analog and digital communication	3	0	0	3	3
2	PE-EEE 701		3	0	0	3	3
3	OE-701		3	0	0	3	3
4	OE-702		3		0	3	3
5	HM-701		3	0	0	3	3
TOTAL OF SEMESTER:						15	15

Practical / Sessional:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 791	Analog and digital Communication laboratory	0	0	2	2	1
2	PW-EEE 781	Project stage-I	0	0	4	4	2
3	PW-EEE782	Seminar	0	0	0	0	1
		Total of Practical / Sessional				06	04
TOTAL OF SEMESTER:						21	19

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8th Semester

Theory:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
1	PC-EEE 801	Digital signal processing	3	0	0	3	3
2	PE- EEE 801		3	0	0	3	3
3	OE-801		3	0	0	3	3
TOTAL OF SEMESTER:						09	09

Practical / Sessional:

Sl. No.	CODE	Paper	Contact periods Per week			Total Contact Hrs	Credits
			L	T	P		
	PC-EEE891	Digital signal processing laboratory	0	0	2	2	1
1	PW-EEE881	Project stage-II	0	0	16	16	8
		Total of Practical / Sessional				16	08
TOTAL OF SEMESTER:						27	18