INSTITUTE OF ENGINEERING & MANAGEMENT

(School of University of Engineering and Management Kolkata)

DEPARTMENT OF ELECTRICAL ENGINEERING

SEMESTER WISE CURRICULAM

Syllabus for B. Tech Admission Batch 2023

University of Engineering & Management

Institute of Engineering & Management, Salt Lake Campus

Institute of Engineering & Management, New Town Campus

University of Engineering & Management, Jaipur

Syllabus for B.Tech Admission Batch 2023

3rd Semester Syllabus Structure:

Sl No	Type of Course	Course Code	Course Name	L	T	P	Total Contact Hours	Credit Points
1	Basic Science Courses	BSM301	Mathematics-III	2	1	0	3	3
2	Professional Core Courses	PCCEE301	Electrical Circuit Analysis	3	1	0	4	3
3	Professional Core Courses	PCCEE302	Analog Electronics	3	1	0	4	3
4	Professional Core Courses	PCCEE303	Electromagnetic Field theory	3	1	0	4	4
5	Humanities and social sciences including Management	MC301	Indian Constitution	2	0	0	2	0.5
6	Humanities and social sciences including Management	ESP301	Essential Studies for Professionals III	2	0	0	2	0.5
7	Professional Core Courses	PCCEE391	Electrical Circuit Analysis Laboratory	0	0	3	3	1
8	Professional Core Courses	PCCEE392	Analog Electronics Lab	0	0	3	3	1
9	Professional Core Courses	PCCEE394	Data Structure and Algorithm Lab	0	2	2	4	3
10	Humanities and social sciences including Management	SDP381	Skill Development for Professionals III			2	2	0.5
11	Project. Seminar and Industrial Training	PWEE381	Mini Project I			1	1	1
12	Massive Open Online Courses (MOOCs)	MOOCs	Massive Open Online Courses (MOOCs)					
13	Industry and Foreign Certification (IFC)	IFC	Industry and Foreign Certification (IFC)					
14	Mandatory Additional Requirements (MAR)	MAR381	Mandatory Additional Requirements (MAR)					
Total Credit Points of Semester				**15**	**6**	**11**	**32**	**20.5**

4th Semester Syllabus Structure:

Sl No	Type of Course	Course Code	Course Name	L	T	P	Total Contact Hours	Credit Points
1	Basic Science Courses	BSM401	Mathematics-IV	2	1	0	3	3
2	Basic Science Courses	MCC471	Sustainability, Climate Actions & Environmental Sciences	2	0	0	2	2
3	Professional Core Courses	PCCEE401	Electrical Machines-I	3	1	0	4	3
4	Professional Core Courses	PCCEE402	Digital Electronics	3	1	0	4	3
5	Professional Core Courses	PCCEE403	Power Electronics	3	1	0	4	3
6	Professional Core Courses	PCCEE404	Signals & Systems	3	0	0	3	3
7	Humanities and social sciences including Management	ESP401	Essential Studies for Professionals IV	2	0	0	2	0.5
8	Professional Core Courses	PCCEE491	Electric Machine Laboratory-I	0	0	3	3	1
9	Professional Core Courses	PCCEE492	Digital Electronics Laboratory	0	0	3	3	1
10	Professional Core Courses	PCCEE493	Power Electronics Laboratory	0	0	3	3	1
11	Open Elective Courses	OECEE481	A. Object Oriented Programming & Java Lab B. Programming using Python	0	0	2	2	1
12	Humanities and social sciences including Management	SDP481	Skill Development for Professionals IV	0	0	2	2	0.5
13	Project. Seminar and Industrial Training	PWEE481	Mini Project II	0	0	1	1	1
14	Massive Open Online Courses	MOOCs	Massive Open Online Courses (MOOCs)	0	0	0	0	0
15	Industry and Foreign Certification	IFC	Industry and Foreign Certification (IFC)	0	0	0	0	0
16	Mandatory Additional Requirements	MAR481	Mandatory Additional Requirements (MAR)	0	0	0	0	0
				18	**4**	**14**	**36**	**23**