

PROPOSED CURRICULAR STRUCTURE FOR PART- II (2ND YEAR) OF THE FULL TIME DIPLOMA COURSES IN ENGINEERING AND TECHNOLOGY

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION												
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES												
COURSE NAME: DIPLOMA (3 YEARS)												
DURATION OF COURSES: 6 SEMESTERS												
SEMESTER: THIRD												
BRANCH: ELECTRONICS AND INSTRUMENTATION ENGINEERING												
SR. NO.	SUBJECT	CREDIT	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL
						TA	CT	TOTAL		INT	EXT	
1	Fundamentals of Electronics	3+1	3		2	10	20	30	70	25	25	150
2	Circuit Theory	4+2	3	1	3	10	20	30	70	50	50	200
3	Fundamentals of Instrumentation	3	3			10	20	30	70	-----		100
4	Electrical Measurement & Measuring Instruments	2	2			5	10	15	35	-----		50
5	Electrical Machine	2	2			5	10	15	35	-----		50
6	Optical Instrumentation	2	2			5	10	15	35	-----		50
7	Programming in C	3	1		4	--	--	--	--	50	50	100
8	Electrical Measurement & Measuring Instruments Lab	1			2	--	--	--	--	25	25	50
9	Electrical Machine Lab	1			2					25	25	50
10	Professional Practice - I	1			2	--	--	--	--	50	----	50
TOTAL		25	16	1	15	45	90	135	315	400		850
STUDENT CONTACT HOURS PER WEEK: 32												
Theory and Practical Period of 60 Minutes each.												
L - Lecture, TU – Tutorial, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE – End Semester Exam, INT – Internal, EXT- External												

PRPOSED CURRICULAR STRUCTURE FOR PART- II (2ND YEAR) OF THE FULL TIME DIPLOMA COURSES IN ENGINEERING AND TECHNOLOGY

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION												
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES												
COURSE NAME: DIPLOMA (3 YEARS)												
DURATION OF COURES: 6 SEMESTERS												
SEMESTER: FOURTH												
BRANCH: ELECTRONICS AND INSTRUMENTATION ENGINEERING												
SR. NO.	SUBJECT	CREDIT	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL
						TA	CT	TOTAL		INT	EXT	
1	Analog Electronics	3+2	3		3	10	20	30	70	50	50	200
2	Digital Electronics	4+2	3	1	3	10	20	30	70	50	50	200
3	Process Instrumentation – I	4+2	3	1	3	10	20	30	70	50	50	200
4	Electronic Measuring Instruments	2	2			5	10	15	35	----		50
5	Process Control	4	3	1		10	20	30	70	----		100
6	Development of Life skill- II	1			2	--	--	--	--	25	25	50
7	Professional Practice - II	1			2	--	--	--	--	50	---	50
TOTAL		25	14	3	13	45	90	135	315	400		850
STUDENT CONTACT HOURS PER WEEK: 30												
Theory and Practical Period of 60 Minutes each.												
L - Lecture, TU – Tutorial, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE – End Semester Exam, INT – Internal, EXT- External												

PRPOSED CURRICULAR STRUCTURE FOR PART- III (3RD YEAR) OF THE FULL TIME DIPLOMA COURSES IN ENGINEERING AND TECHNOLOGY

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION												
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES												
COURSE NAME: DIPLOMA (3 YEARS)												
DURATION OF COURES: 6 SEMESTERS												
SEMESTER: FIFTH												
BRANCH: ELECTRONICS AND INSTRUMENTATION ENGINEERING												
SR. NO.	SUBJECT	CREDIT	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL
						TA	CT	TOTAL		INT	EXT	
1	Process Instrumentation - II	4+2	3	1	3	10	20	30	70	50	50	200
2	Advanced Process Control	4	3	1		10	20	30	70	----		100
3	Industrial Electronics	3+1	3		2	10	20	30	70	25	25	150
4	Microprocessor	3+1	3		2	10	20	30	70	25	25	150
5	Analytical Instrumentation	2	2			5	10	15	35	----		50
6	Process Control Lab	2			4	--	--	--	--	50	50	100
7	Industrial Project & Entrepreneurship Development	2			3	--	--	--	--	25	25	50
8	Professional Practice - III	1			2	--	--	--	--	50	--	50
TOTAL		25	14	2	16	45	90	135	315	400		850
STUDENT CONTACT HOURS PER WEEK: 32												
Theory and Practical Period of 60 Minutes each.												
L - Lecture, TU – Tutorial, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE – End Semester Exam, INT – Internal, EXT- External												

PRPOSED CURRICULAR STRUCTURE FOR PART- III (3RD YEAR) OF THE FULL TIME DIPLOMA COURSES IN ENGINEERING AND TECHNOLOGY

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION												
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES												
COURSE NAME:												
DURATION OF COURES: 6 SEMESTERS												
SEMESTER: SIXTH												
BRANCH: ELECTRONICS AND INSTRUMENTATION ENGINEERING												
SR. NO.	SUBJECT	CREDIT	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL
						TA	CT	TOTAL		INT	EXT	
1	Industrial Management	3	3			10	20	30	70			100
2	Advanced Microprocessor and Microcontroller	4+2	3	1	4	10	20	30	70	50	50	200
3	Biomedical Instrumentation	2	2			5	10	15	35			50
4	Electronic Communication Fundamentals	2	2			5	10	15	35			50
5	Elective (Any One) a)Power Plant Instrumentation b)Automation Solution c)Computer Aided Instrumentation d)Computer Hardware & Networking	2+1	2		2	5	10	15	35	25	25	100
6	Circuit Simulation and Control Simulation Lab	2			4					50	50	100
7	General Viva Voce	3								50	50	100
8	Industrial Project	3			6					50	50	100
9	Professional Practice - IV	1			2					50		50

TOTAL	25	12	1	18	35	70	105	245	500	850
<p>STUDENT CONTACT HOURS PER WEEK: 31 Theory and Practical Period of 60 Minutes each. L - Lecture, TU – Tutorial, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE – End Semester Exam, INT – Internal, EXT- External</p>										