WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION
(A Statutory Body under West Bengal Act XXI of 1995)
"Kolkata Karigori Bhavan", 2nd Floor, 110 S.N.Banerjee Road, Kolkata – 700 013
Phone: (033) 2227-7070; 2227-7592

Memo No:5287-SC(T)E Date: 10th October, 2013

Notice

This is for information to all concern that, Council has successfully revamp the syllabi of 1st year for Diploma courses offered through different Polytechnics affiliated to the Council. In continuation of the revamping procedure, various syllabus sub-committees have exerted their full effort to frame out the curriculum structure initially for the seven major disciplines. The proposed draft curriculum structures have been developed in consideration with the model syllabus uploaded by AICTE on the website http://www.aicte-india.org/mdiploma.htm and after active consultation with eminent University experts.

Suggestions and comments are invited from the respective subject teacher of different Polytechnics and from other stake holders regarding the proposed curriculum structure with the aim to implement new revised syllabi from the next academic session.

The suggestion should be contained the branch name and relevant title mentioning it position on the particular structure with his/her name and phone number. The suggestions to be submitted to email address "syllabus.wbscte.2013@gmail.com" within 12th November 2013. Constructive suggestion and comments will be actively considered by the syllabus committee for finalization of curriculum structure for further development of detailed syllabi essential for the enhancement of the quality of Diploma education in the state.

SECRETARY

PROPOSED CURRICULAR STRUCTURE FOR PART-II (2ND YEAR) OF THE FULL TIME DIPLOMA COURSE IN AUTOMOBILE ENGINEERING

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

BRANCH: DIPLOMA IN AUTOMOBILE ENGINEERING — **SEMESTER: THIRD**

SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR	TW	TOTAL MARKS
						TA	CT	TOTAL				
1	Fundamental s of Electronics	2	2	-	-	5	10	15	35	-	-	50
2	Advanced strength of materials	2	2	-	-	5	10	15	35	-	-	50
3	Heat Power Engineering -I	3	3	-	-	10	20	30	70	-	-	100
4	Automotive Engines	5	3	-	4	10	20	30	70	50	-	150
5	Automotive Chassis –I	4	3	-	2	10	20	30	70	50	-	150
6	Materials Science and Manufacturing Process	4	3	-	3	10	20	30	70	50	-	150
7	Automobile Engineering Drawing	3	1	-	3	-	-	-	-	100	-	100
8	Electrical & Electronics Laboratory	1	-	-	2	-	-	-	-	50	-	50
9	Professional Practice -I	2	-	-	2	-	-	-	-	-	50	50
	Total	26	17		16	50	100	150	500	300	50	875

STUDENT CONTACT HOURS PER WEEK: 33Hrs.

Theory and Practical Period of 60 Minutes each.

L – Lecturer, TU –Tutorial, PR – Practical, TA – Teachers' Assessment, CT – Class Test, ESE – End Semester Exam., TW – Term Work.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

BRANCH: DIPLOMA IN AUTOMOBILE ENGINEERING — **SEMESTER: FORTH**

SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR	TW	TOTAL MARKS
						TA	CT	TOTAL				
1	Development of life skill - II	2	2	1	-	5	10	15	35	-	-	50
2	Heat Power Engineering -II	2	2	-	-	5	10	15	35	-	-	50
3	Computer Programming	2	1	-	2	-	-	-	-	50	-	50
4	Advanced Automobile Engines	4	3	-	3	10	20	30	70	50	-	150
5	Automobile Transmission System	4	3	-	2	10	20	30	70	50	-	150
6	Automobile Manufacturing Process	4	3	-	2	10	20	30	70	50	-	150
7	Theory of Machines & Mechanism	3	3	1	-	10	20	30	70	-	25	125
8	Heat Power Engineering Laboratory	1	-	-	2	-	-	-	-	50	-	50
9	Professional Practice – II(AE)	2	-	-	3	-	-	-	-	-	50	50
	Total	24	17	2	14	50	100	150	350	250	75	825

STUDENT CONTACT HOURS PER WEEK: 33Hrs.

Theory and Practical Period of 60 Minutes each.

L – Lecturer, TU –Tutorial, PR – Practical, TA – Teachers' Assessment, CT – Class Test, ESE – End Semester Exam., TW – Term Work.

PROPOSED CURRICULAR STRUCTURE FOR PART-III (3RD YEAR) OF THE FULL TIME DIPLOMA COURSE IN AUTOMOBILE ENGINEERING

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

BRANCH: DIPLOMA IN AUTOMOBILE ENGINEERING — SEMESTER: FIFTH

SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR	TW	TOTAL MARKS
						TA	CT	TOTAL				
1	Automobile Component Design	2	-	-	3	-	-	-	-	100	-	100
2	Automotive Chassis- II	4	3	-	2	10	20	30	70	50	-	150
3	Hydraulics & Pneumatics	3	3	-	-	10	20	30	70	-	-	100
4	Earth Moving Equipments & Farm Machinery	4	3	-	-	10	20	30	70	-	-	100
5	Elective-I	2	2	1	-	10	20	30	70	-	25	125
6	Automotive Electrical & Electronics	4	3	-	3	10	20	30	70	50	-	150
7	Strength of Material And Hydraulic & Pneumatic Laboratory	2	-	-	4	-	-	-	-	50	-	50
8	Industrial Project & Entrepreneurship Development	2	1	-	2	-	-	-	-	50	-	50
9	Professional Practice-III(AE)	2	-	-	3	-	-	-	-	-	50	50
	Total	25	15	1	17	50	100	150	350	300	75	875

STUDENT CONTACT HOURS PER WEEK: 33Hrs.

Theory and Practical Period of 60 Minutes each.

L – Lecturer, TU –Tutorial, PR – Practical, TA – Teachers' Assessment, CT – Class Test, ESE – End Semester Exam., TW – Term Work

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

BRANCH: DIPLOMA IN AUTOMOBILE ENGINEERING — SEMESTER: SIXTH

SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR	TW	TOTAL MARKS
						TA	CT	TOTAL				
1	Industrial Management	3	3	-	-	10	20	30	70	-	-	100
2	Workshop Organisation & Vehide Maintenance Management	6	3	1	6	10	20	30	70	75	-	175
3	M.V Act & Transport Management	3	3	-	-	10	20	30	70	-	-	100
4	Elective –II	3	3	1	-	10	20	30	70	-	25	125
5	Industrial Project	3	1		5	-	-	-	-	100	50	150
6	Professional Practice-IV(AE)	2	-	-	3	-	-	-	-		50	50
7	Driving Practice	2	-	-	4	-	-	-	-	50	-	50
8	Grand Viva-voce	3	-	-		-	-	-	-	-	-	100
	Total	25	13	2	18	40	80	120	280	225	125	850

STUDENT CONTACT HOURS PER WEEK: 33Hrs.

Theory and Practical Period of 60 Minutes each.

L – Lecturer, TU –Tutorial, PR – Practical, TA – Teachers' Assessment, CT – Class Test, ESE – End Semester Exam., TW – Term Work

ROPOSED CURRICULUM FOR THE SEMESTER 3 of DIPLOMA IN CIVIL ENGINNERING

							Examination Pattern						Fu ll m arks for					
					contact period per week		internal assessment(for theoretical sub)			External assessment (for theoretical sub)			Theoretical subject	Sessional subjects			Full Marks alloted for Semester 3 examination	Credits
SL no	subject	subject code	question code	packet code	lecture	sessional	CT	TA	Total internal	obj	subj	Marks alloted for ESE		TW	PR	total for sessional		
Theoretical																		
1	Surveying				3	--	20	10	30			70	100	--	--	--	100	3
2	Building material and construction				3	--	20	10	30			70	100	--	--	--	100	3
3	Concrete Technology				3	--	20	10	30			70	100	--	--	--	100	3
4	Mechanics of Structure				4	--	20	10	30			70	100	--	--	--	100	4
5	Hydraulics				3	--	20	10	30			70	100	--	--	--	100	3
Sessional																		
6	Civil Engineering Drawing				--	6	--	--	--	--	--	--	--	25	75	100	100	3
7	Civil Engg Lab I				--	6	--	--	--	--	--	--	--	25	75	100	100	3
8	Professional Practice I				--	3	--	--	--	--	--	--	--	25	25	50	50	2
	Total =				**16**	**15**	**100**	**50**	**150**			**350**	**500**	**75**	**175**	**250**	**750**	**24**

Student contact hour per week is 31 hour.

Theory and Practical classes will be of 1(one) hour duration.

List of abbreviation used: CT – class test; TA - Teacher's Assessment (Attendance & surprise quizzes = 6 marks ; Assignment & group discussion = 4 marks.)

Obj – objective (Fill in the blanks, True/False, Multiple choice question, of very short calculation etc)

Subj - Subjective question (each question consists of three to four subdivision having number not exceeding 4 marks)

NO QUESTION SHOULD START WITH "WHY" OR ASKS FOR " GIVING OR CITING REASONS"

TW – term work (to be evaluated by a board of departmental teachers)

PR- Practical (to be evaluated by external teachers)

Minimum passing marks for Theoretical and Sessional subjects will be 40%

All other rules and regulations for assessment of practical and term work will be carried out as per prevailing norms

PROPOSED CURRICULUM FOR THE SEMESTER 4 of DIPLOMA IN CIVIL ENGINNERING

							Examination Pattern						Full marks for				Full Marks alloted for Semester 4 examination	Credits
					contact period per week		internal assessment(for theoretical sub)			External assessment (for theoretical sub)			Theoretical subject	Sessional subjects				
SL no	subject	subject code	question code	packet code	lecture	sessional	CT	TA	Total internal	obj	subj	Marks alloted for ESE		TW	PR	total for sessional		
Theoretical																		
1	Advanced Surveying				3	--	20	10	30			70	100	--	--	--	100	3
2	Geotechnical Engineering I				3	--	20	10	30			70	100	--	--	--	100	3
3	Transportation Engineering				3	--	20	10	30			70	100	--	--	--	100	3
4	Estimating and Costing				4	--	20	10	30			70	100	--	--	--	100	4
5	Irrigation Engineering				3	--	20	10	30			70	100	--	--	--	100	3
Sessional																		
6	Field Survey Practice I *				--	3	--	--	--	--	--	--	--	25	75	100	100	2
7	Application of CAD in Civil Engineering I				--	3	--	--	--	--	--	--	--	25	75	100	100	2
8	Professional Practice II				--	3	--	--	--	--	--	--	--	25	25	50	50	2
9	Civil Engg Lab II				--	3	--	--	--	--	--	--	--	25	75	100	100	2
10	Development of Life Skill II				--	2	--	--	--	--	--	--	--	25	25	50	50	1
	Total =				**16**	**14**	**100**	**50**	**150**			**350**	**500**	**125**	**275**	**400**	**900**	**25**

Student contact hour per week is 30 hour.

Theory and Practical classes will be of 1(one) hour duration.

List of abbreviation used: CT – class test; TA - Teacher's Assessment (Attendance & surprise quizzes = 6 marks ; Assignment & group discussion = 4 marks.)

Obj – objective (Fill in the blanks, True/False, Multiple choice question, of very short calculation etc)

Subj - Subjective question (each question consists of three to four subdivision having number not exceeding 4 marks)

NO QUESTION SHOULD START WITH "WHY" OR ASKS FOR " GIVING OR CITING REASONS"

TW – term work (to be evaluated by a board of departmental teachers)

PR- Practical (to be evaluated by external teachers)

Minimum passing marks for Theoretical and Sessional subjects will be 40%

Rules and regulations for assessment of practical and term work will be carried out as per prevailing norms

PROPOSED CURRICULUM FOR THE SEMESTER 5 of DIPLOMA IN CIVIL ENGINNERING

							Examination Pattern						Full marks for				Full Marks alloted for Semester 5 examination	Credits
					contact period per week		internal assessment(for theoretical sub)			External assessment (for theoretical sub)			Theoretical subject	Sessional subjects				
SL no	subject	subject code	question code	packet code	lecture	sessional	CT	TA	Total internal	obj	subj	Marks alloted for ESE		TW	PR	total for sessional		
	Theoretical																	
1	Building Services and Entrepreneurship Development				3	--	20	10	30			70	100	--	--	--	100	3
2	Contract and Accounts				2	--	10	5	15			35	50	--	--	--	50	2
3	Highway Engineering				3	--	20	10	30			70	100	--	--	--	100	3
4	Design of RCC structure				4	--	20	10	30			70	100	--	--	--	100	4
5	Geotechnical Engineering II				2	--	10	5	15			35	50	--	--	--	50	2
	Sessional																	
6	Geotechnical Engineering Lab				--	3	--	--	--	--	--	--	--	25	75	100	100	2
7	Civil Engineering Lab III				--	3	--	--	--	--	--	--	--	25	75	100	100	2
8	Application of CAD in Civil Engineering II				--	3	--	--	--	--	--	--	--	25	75	100	100	2
9	Professional Practice III				--	3	--	--	--	--	--	--	--	25	25	50	50	2
10	Civil Engineering Project I				--	3	--	--	--	--	--	--	--	25	75	100	100	2
	Total =				**14**	**15**	**80**	**40**	**120**			**280**	**400**	**125**	**325**	**450**	**850**	**24**

Student contact hour per week is 29 hour.

Theory and Practical classes will be of 1(one) hour duration.

List of abbreviation used: CT – class test; TA - Teacher's Assessment (Attendance & surprise quizzes = 6 marks ; Assignment & group discussion = 4 marks.)

Obj – objective (Fill in the blanks, True/False, Multiple choice question, of very short calculation etc)

Subj - Subjective question (each question consists of three to four subdivision having number not exceeding 4 marks)

NO QUESTION SHOULD START WITH "WHY" OR ASKS FOR " GIVING OR CITING REASONS"

TW – term work (to be evaluated by a board of departmental teachers)
PR- Practical (to be evaluated by external teachers)
imum passing marks for Theoretical and Sessional subjects will be 40%

Rules and regulations for assessment of practical and term work will be carried out as per prevailing norms

PROPOSED CURRICULUM FOR THE SEMESTER 6 OF DIPLOMA IN CIVIL ENGINNERING

							Examination Pattern						Full marks for				Full Marks alloted for Semester 3 examination	Credits
					contact period per week		internal assessment(for theoretical sub)			External assessment (for theoretical sub)			Theoretical subject	Sessional subjects				
SL no	subject	subject code	question code	packet code	lecture	sessional	CT	TA	Total internal	obj	subj	Marks alloted for ESE		TW	PR	total for sessional		
	Theoretical																	
1	Design of Steel Structure				4	--	20	10	30			70	100	--	--	--	100	4
2	Industrial Management				3	--	20	10	30			70	100	--	--	--	100	3
3	Environmental Engineering				4	--	20	10	30			70	100	--	--	--	100	4
4	Elective (any one) #				3	--	20	10	30			70	100	--	--	--	100	3
	Sessional																	
5	Civil Engineering Project II				--	3	--	--	--	--	--	--	--	25	75	100	100	2
6	Civil Engg Lab IV				--	3	--	--	--	--	--	--	--	25	75	100	100	2
7	Field Survey Practice II				--	3	--	--	--	--	--	--	--	25	75	100	100	2
8	Professional Practice IV				--	3	--	--	--	--	--	--	--	25	25	50	50	2
9	Rural Engineering				--	3	--	--	--	--	--	--	--	25	25	50	50	2
10	General Viva-voce				--	--	--	--	--	--	--	--	--	--	100	100	100	--
	Total =				**14**	**15**	**80**	**40**	**120**	**--**	**--**	**280**	**400**	**125**	**375**	**500**	**900**	**24**

Student contact hour per week is 29 hour. Theory and Practical classes will be of 1(one) hour duration.

List of abbreviation used: CT – class test; TA - Teacher's Assessment (Attendance & surprise quizzes = 6 marks ; Assignment & group discussion = 4 marks.)

Obj – objective (Fill in the blanks, True/False, Multiple choice question, of very short calculation etc)

Subj - Subjective question (each question consists of three to four subdivision having number not exceeding 4 marks)

NO QUESTION SHOULD START WITH "WHY" OR ASKS FOR "GIVING OR CITING REASONS"

TW – term work (to be evaluated by a board of departmental teachers) | PR- Practical (to be evaluated by external teachers) | Minimum passing marks for Theoretical and Sessional subjects will be 40%

 # A. Elective 1 -Advanced construction techniques and equipments B. Elective 2 - Maintenance and Rehabilitation of Structure C. Elective 3 - Plumbing services D. Elective 4 - Architectural practices and interior designe

*** Field survey practice II can be conducted at a stretch within a time frame of 10 days. In such case class load for FSP II may be distributed to the other subjects, if required**

Rules and regulations for assessment of practical and term work will be carried out as per prevailing norms

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

WEST BENGAL STATE COUNCIL OF ECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: COMPUTER SCIENCE AND TECHNOLOGY

SEMESTER: THIRD

BRANCH CODE: CST

SR. NO.	SUBJECT	CREDITS	PRIODS			EVALUATION SCHEME					
			L	T U	PR	INTERNAL SCHEME			ESE	PR	TOTAL MARK
						TA	CT	Total			
1	Discrete Mathematics	3	3			10	20	30	70		100
2	C Programming	3+2	3		3	10	20	30	70	100	200
3	Digital Techniques	3+1	3		2	10	20	30	70	50	150
4	Relational Data Base Management Systems	3+2	3		3	10	20	30	70	50	150
5	Computer Organization & Architecture	3	3			10	20	30	70		100
6	Electronics Device & Circuits	3+1	3		2	10	20	30	70	50	150
7	Professional Practice-I (PC Maintenance)	2			3					50	50
Total		26	18		13	60	120	180	420	300	900

STUDENT CONTACT HOURS PER WEEK: 31 HRS.
Theory and Practical Periods of 60 minutes each.
L-Lecture, TU-Tutorials, PR-Practical, TA-Teachers Assessment, CT-Class Test, ESE-End Semester Examination.

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

WEST BENGAL STATE COUNCIL OF ECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: COMPUTER SCIENCE AND TECHNOLOGY

SEMESTER: FOURTH

BRANCH CODE: CST

SR. NO.	SUBJECT	CREDITS	PRIODS			EVALUATION SCHEME					
			L	T U	PR	INTERNAL SCHEME			ESE	PR	TOTAL MARK
						TA	CT	Total			
1	Microprocessor & Programming	3+1	3		2	10	20	30	70	50	150
2	Computer Network	3+1	3		2	10	20	30	70	50	150
3	Data Structure	3+2	3		3	10	20	30	70	100	200
4	Object Oriented Programming	3+1	3		2	10	20	30	70	50	150
5	Computer Graphics	3+1	3		2	10	20	30	70	50	150
6	Development of Life Skills-II	1+1	1		2					50	50
7	Professional Practice-II (Web Page Development)	2			3					50	50
Total		24	16		15	50	100	150	350	400	900

STUDENT CONTACT HOURS PER WEEK: 31 HRS.
Theory and Practical Periods of 60 minutes each.
L-Lecture, TU-Tutorials, PR-Practical, TA-Teachers Assessment, CT-Class Test, ESE-End Semester Examination.

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

WEST BENGAL STATE COUNCIL OF ECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: COMPUTER SCIENCE AND TECHNOLOGY

SEMESTER: FIFTH

BRANCH: CST

SR. NO.	SUBJECT	CREDITS	PRIODS			EVALUATION SCHEME					
			L	T U	PR	INTERNAL SCHEME			ESE	PR	TOTAL MARK
						TA	CT	Total			
1	Software Engineering	3	3			10	20	30	70		100
2	Java Programming	3+2	3		4	10	20	30	70	100	200
3	Operating System	3+1	3		2	10	20	30	70	50	150
4	Theory of Computation	3	3			10	20	30	70		100
5	ELECTIVE- I (Any One)										
	Network Management and Administration	3+2	3		3	10	20	30	70	50	150
	Multimedia and Animation Technique	3+2	3		3	10	20	30	70	50	150
	Advanced Microprocessor Technology	3+2	3		3						
6	Project (Phase-I)				4						
7	Professional Practice-III (Visual Basic)	2			3					50	50
Total		22	15		16	50	100	150	350	250	750

STUDENT CONTACT HOURS PER WEEK: 31 HRS.
Theory and Practical Periods of 60 minutes each.
L-Lecture, TU-Tutorials, PR-Practical, TA-Teachers Assessment, CT-Class Test, ESE-End Semester Examination.

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

WEST BENGAL STATE COUNCIL OF ECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: COMPUTER SCIENCE AND TECHNOLOGY

SEMESTER: SIXTH

BRANCH: CST

SR. NO.	SUBJECT	CREDITS	PRIODS			EVALUATION SCHEME					
			L	T U	PR	INTERNAL SCHEME			ESE	PR	TOTAL MARK
						TA	CT	Total			
1	Industrial Management	3	3			10	20	30	70		100
2	Advanced Java Programming	3+2	3		4	10	20	30	70	100	200
3	System Programming & Compiler Design	3+1	3		2	10	20	30	70	50	150
4	ELECTIVE – II (Any One)										
	Numerical Methods	3+2	3		4	10	20	30	70	50	150
	Advanced Web Technology	3+2	3		4	10	20	30	70	50	150
	Digital Image Processing	3+2	3		4						
5	Project (Phase-II)	6			6					100	100
6	Professional Practice-IV(Seminar Work)	2			3					50	50
7	General Viva Voce	3								100	100
Total		28	12		19	40	80	120	280	450	850

STUDENT CONTACT HOURS PER WEEK: 31 HRS.
Theory and Practical Periods of 60 minutes each.
L-Lecture, TU-Tutorials, PR-Practical, TA-Teachers Assessment, CT-Class Test, ESE-End Semester Examination.

W.B.S.C.T.E.

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA COURSES

COURSE NAME: ELECTRICAL ENGINEERING

COURSE CODE : EE

DURATION OF COURSE : 6 SEMESTER

SEMESTER: THIRD SEMESTER **SCHEME : C**

Sr.No.	SUBJECT	PERIODS			EVALUATION SCHEME							Credits
	THEORY	L	TU	P	SESSIONSAL EXAM			ESE	PR(INT.	PR (EXT.)		
					TA	CT	Total					
1	Electrical Circuit & Network	03	01	02	10	20	30	70	25	25		5
2	Electrical Machine I	03	__	03	10	20	30	70	25	50		5
3	Basic Electronics	03	--	02	10	20	30	70	25	25		4
4	Programming in C	02	--	02	5	10	15	35				3
5	Electrical Measuring Instrument	03	--	02	10	20	30	70	25	25		4
6	Electrical Workshop I	--	--	02	--	--	--	--	25	25		1
7	Elements of Mechanical & Civil Engineering	02			5	10	15	35				2
8	Professional Practices I	--	--	02	--	--	--	--	25	25		1
	Total	**16**	**01**	**15**	**50**	**100**	**150**	**350**	**150**	**17**		**25**

STUDENT CONTACT HOURS PER WEEK: **32**

HTEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH

, External Assessment @ , Internal Assessment ESE - End Semester Exam.

ABBREVIATIONS: CT- Class Test, TA - Teachers Assessment, L - Lecture, TU - Tutorial, PR (INT.) – Practical (Internal)

Practical(External)

TA: Attendance & surprise quizzes = 6 marks. Assignment & group discussion = 4 marks.

Total Marks : 825

Minimum passing for sessional marks is 40% and for theory subject 40%

W.B.S.C.T.E.

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA COURSES

COURSE NAME: ELECTRICAL ENGINEERING

COURSE CODE : EE

DURATION OF COURSE : 6 SEMESTERS

SEMESTER: FOURTH SEMESTER **SCHEME : C**

Sr.No.	SUBJECT	PERIODS			EVALUATION SCHEME							Credits
	THEORY	L	TU	P	SESSIONSAL EXAM			ESE	PR(INT.	PR (EXT.)		
					TA	CT	Total					
1	Electrical Machine II	03		03	10	20	30	70	25	50		5
2	Electrical Measurement & Control	03	--	02	10	20	30	70	25	25		4
3	Utilization, Traction and Heating	03	--	02	10	20	30	70	25	25		4
4	Applied Electronics	03	--	02	10	20	30	70	25	25		4
5	Power Plant Engineering	03	--		10	20	30	70				3
6	Computer aided Drawing using Autocad		--	03	--	--	--	--	25	25		2
7.	Development of Life Skill -II	01	--	02					25	25		2
8.	Professional Practice - II			02					25	25		1
	Total	**16**		**16**	**50**	**100**	**150**	**350**	**175**	**200**		**25**

STUDENT CONTACT HOURS PER WEEK: **32 HRS**

HTEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH

, External Assessment @ , Internal Assessment ESE - End Semester Exam.

ABBREVIATIONS: CT- Class Test, TA - Teachers Assessment, L - Lecture, TU - Tutorial, PR (INT.) – Practical (Internal)
Practical(External)

TA: Attendance & surprise quizzes = 6 marks. Assignment & group discussion = 4 marks.

Total Marks : 875

Minimum passing for sessional marks is 40%, and for theory subject 40%.

W.B.S.C.T.E.

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA COURSES

COURSE NAME: ELECTRICAL ENGINEERING

COURSE CODE : EE

DURATION OF COURSE : 6 SEMESTERS

SEMESTER: FIFTH SEMESTER **SCHEME : C**

Sr.No	SUBJECT	PERIODS			EVALUATION SCHEME							
	THEORY				SESSIONSAL EXAM				PR(INT.)	PR (EXT.)		Credits
		L	TU	P	TA	CT	Total	ESE				
1	Power Electronics and Drives	03		02	10	20	30	70	25	25		4
2	Application of Microprocessor & Microcontroller	03	--	02	10	20	30	70	25	25		4
3	Switchgear & Protection	03		02	10	20	30	70	25	50		4
4	Industrial Project & Entrepreneurship Development	02	--	02					25	50		3
5	Transmission & Distribution of Power	03		02	10	20	30	70	25	25		4
6	Elective I (Any One)	03	--	02	10	20	30	70	25	25		4
	Illumination Engineering											
	Process Control											
	Energy Conservation & Audit											
	Non Conventional Energy											
7	Professional Practice - III			03					25	25		2
	Total	**17**		**15**	**50**	**100**	**150**	**350**	**175**	**225**		**25**

STUDENT CONTACT HOURS PER WEEK: **32 HRS**

HTEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH

, External Assessment @ , Internal Assessment ESE - End Semester Exam.

ABBREVIATIONS: CT- Class Test, TA - Teachers Assessment, L - Lecture, TU - Tutorial, PR (INT.) – Practical (Internal)

Practical(External)

TA: Attendance & surprise quizzes = 6 marks. Assignment & group discussion = 4 marks.

Total Marks : 900

W.B.S.C.T.E.

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA COURSES

COURSE NAME: ELECTRICAL ENGINEERING

COURSE CODE : EE												
DURATION OF COURSE : 6 SEMESTERS												
SEMESTER: SIXTH SEMESTER							SCHEME : C					
Sr.No	SUBJECT	PERIODS			EVALUATION SCHEME							Credits
					SESSIONSAL EXAM				PR(INT.)	PR (EXT.)		
	THEORY	L	TU	P	TA	CT	Total	ESE				
1	Electrical Design, Estimation & Drawing (Using Autocad)	03		04	10	20	30	70	25	25		5
2	Electrical Installation , Maintenance , Testing & repairing	04			10	20	30	70				4
3	Electrical Workshop II			04					25	25		2
4	Industrial Project			05					50	50		3
5	Industrial Management	03			10	20	30	70				3
6	Elective II (Any One)	03	--	02	10	20	30	70	25	25		4
	Industrial Automation											
	Computer Hardware & Networking											
	Heating, Ventilation & Air conditioning											
	Control of Machine											
7	Professional Practice -			04					25	25		2
8	General Viva								50	50		2
Total		**13**		**19**	**40**	**80**	**120**	**280**	**200**	**200**		**25**

STUDENT CONTACT HOURS PER WEEK: **32 HRS**
HTEORY AND PRACTICAL PERIODS OF 60 MINUTES EACH
, External Assessment @ , Internal Assessment ESE - End Semester Exam.

ABBREVIATIONS: CT- Class Test, TA - Teachers Assessment, L - Lecture, TU - Tutorial, PR (INT.) – Practical

(Internal)
Practical(External)
TA: Attendance & surprise quizzes = 6 marks. Assignment & group discussion = 4 marks.
Total Marks : 800

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

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES
COURSE NAME: FULL TIME DIPLOMA IN ELECTRONICS & TELECOMMUNICATION ENGINEERING
DURATION OF COURSE: 6 SEMESTERS

SEMESTER: THIRD

BRANCH: Electronics & Telecommunication Engineering

SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME					
			L	TU	PR	INTERNAL SCHEME			ESE	PR	Total Marks
						TA	CT	Total			
1	Network Analysis	5	4	1	2	10	20	30	70	75	175
2	Analog Electronics -I	5	5	2	3	10	20	30	70	100	200
3	Digital Electronics	5	4	1	2	10	20	30	70	75	175
4	Electrical Engineering	3	2	-	1	5	10	15	35	50	100
5	C Programming	3	2	-	1	5	10	15	35	50	100
6	Professional Practice-I	2	-	-	3	-	-	-	-	50	50
Total:		23	17	4	12	40	80	120	280	400	800

STUDENT CONTACT HOURS PER WEEK:33 hrs
Theory and Practical Period of 60 Minutes each.
L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: FULL TIME DIPLOMA IN ELECTRONICS & TELECOMMUNICATION ENGINEERING

DURATION OF COURSE: 6 SEMESTERS

SEMESTER: FOURTH

BRANCH: : Electronics & Telecommunication Engineering

SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME					
			L	TU	PR	INTERNAL SCHEME			ESE	PR	Total Marks
						TA	CT	Total			
1	Communication Engineering -I	5	4	1	2	10	20	30	70	75	175
2	Analog Electronics-II	5	4	1	2	10	20	30	70	75	175
3	Consumer Electronics	4	3	-	2	10	20	30	70	75	175
4	Microprocessor	5	4	1	2	10	20	30	70	75	175
5	Development of Life Skill-II	3	2	-	1	5	10	15	35	50	100
6	Professional Practice-II	3	1	-	3	-	-	-	-	50	50
Total:		25	18	3	12	45	90	135	315	400	850

STUDENT CONTACT HOURS PER WEEK:33 hrs
Theory and Practical Period of 60 Minutes each.
L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

PROPOSED CURRICULAR STRUCTURE FOR PART – III (3rd YEAR) OF THE FULL-TIME DIPLOMA COURSES IN ENGINEERING & TECHNOLOGY

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: FULL TIME DIPLOMA IN ELECTRONICS & TELECOMMUNICATION ENGINEERING

DURATION OF COURSE: 6 SEMESTERS

SEMESTER: FIFTH

BRANCH: Electronics & Telecommunication Engineering

SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME					
			L	TU	PR	INTERNAL SCHEME			ESE	PR	Total Marks
						TA	CT	Total			
1	Communication Engineering-II	5	4	1	2	10	20	30	70	75	175
2	Electronics Measurement	4	3	-	2	10	20	30	70	75	175
3	Industrial Electronics - I	3	2	1	2	5	10	15	35	75	125
4	Microcontroller & Embedded System	5	4	1	2	10	20	30	70	75	175
5	Elective-I (Select any one) Computer Network-I Medical Electronics-I Digital Signal Processing-I Computer Hardware Maintenance-I	3	2	-	1	5	10	15	35	50	100
6	Industrial Project & Entrepreneurship Development	2	1	-	2	-	-	-	-	50	50
7	Professional Practice-III	2	-	-	3	-	-	-	-	50	50
Total:		24	16	3	14	40	80	120	280	450	850

STUDENT CONTACT HOURS PER WEEK:33 hrs
Theory and Practical Period of 60 Minutes each.
L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: FULL TIME DIPLOMA IN ELECTRONICS & TELECOMMUNICATION ENGINEERING

DURATION OF COURSE: 6SEMESTERS

SEMESTER: SIXTH

BRANCH: : Electronics & Telecommunication Engineering

SR. NO.	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME					
			L	TU	PR	INTERNAL SCHEME			ESE	PR	Total Marks
						TA	CT	Total			
1	Industrial Management	3	3	-	-	10	20	30	70	-	100
2	Communication Engineering-III	4	3	1	3	10	20	30	70	75	175
3	Instrumentation & Control	4	3	-	2	10	20	30	70	50	150
4	Industrial Electronics-II	4	3	1	2	10	20	30	70	75	175
5	Elective-II (Select any one) Computer Network-II Medical Electronics-II Digital Signal Processing-II Computer Hardware Maintenance-II	3	2	1	2	5	10	15	35	50	100
6	Industrial Project	2	-	-	4	-	-	-	-	50	50
7	Professional Practice-IV	2	-	-	3	-	-	-	-	50	50
8	General Viva voce	3	-	-	-	-	-	-	-	100	100
Total:		25	14	3	16	45	90	135	315	350	900

STUDENT CONTACT HOURS PER WEEK:33 hrs
Theory and Practical Period of 60 Minutes each.
L- Lecture, TU- Tutorials, PR- Practical, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

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

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES
COURSE NAME: FULL TIME DIPLOMA IN : MECHANICAL ENGINEERING
DURATION OF COURSE: 6 SEMESTERS
SEMESTER: THIRD
BRANCH: : MECHANICAL ENGINEERING

Sl No	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
						TA	CT	TOTAL		INT	EXT	
1	Advanced Strength of Materials	3	2	-	2	5	10	15	35	25	25	100
2	Thermal Engineering-I	4	3	-	2	10	20	30	70	25	25	150
3	Manufacturing Technology	4	2	-	4	10	20	30	70	50	50	200
4	Fundamentals of Electronics	4	3	-	2	10	20	30	70	25	25	150
5	Engineering Materials	3	3	-	-	10	20	30	70	-	-	100
6	M.E.Drawing	5	3	-	4	5	10	15	35	50	50	150
7	Professional Practice-I	1	-	-	2	-	-	-	-	25	25	50
TOTAL		24	16	-	16	50	100	150	350	200	200	900

STUDENT CONTACT HOURS PER WEEK:32 hrs
Theory and Practical Period of 60 Minutes each.
L- Lecture, TU- Tutorials, PR- Practical, INT-Internal Assessment , EXT-External Assessment, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION
TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES
COURSE NAME: FULL TIME DIPLOMA IN : MECHANICAL ENGINEERING
DURATION OF COURSE: 6 SEMESTERS
SEMESTER: FOURTH
BRANCH: : MECHANICAL ENGINEERING

Sl No	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
						TA	CT	TOTAL		INT	EXT	
1	Development of Life Skill-II	2	1	-	2	-	-	-	-	25	25	50
2	Thermal Engineering-II	4	3	-	2	10	20	30	70	25	25	150
3	Production Processes	5	3	-	4	10	20	30	70	50	50	200
4	Principles of Electrical Engineering	4	3	-	2	10	20	30	70	25	25	150
5	Computer Programming	2	1	-	2	-	-	-	-	25	25	50
6	Theory of Machines & Mechanism	4	3	-	2	10	20	30	70	25	25	150
7	Professional Practice-II	2	-	-	3	-	-	-	-	25	25	50
TOTAL		23	14	-	17	40	80	120	280	200	200	800

STUDENT CONTACT HOURS PER WEEK:31 hrs
Theory and Practical Period of 60 Minutes each.
L- Lecture, TU- Tutorials, PR- Practical, INT-Internal Assessment , EXT-External Assessment, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

PROPOSED CURRICULAR STRUCTURE FOR PART – III (3rd YEAR) OF THE FULL-TIME DIPLOMA COURSES IN ENGINEERING & TECHNOLOGY

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: FULL TIME DIPLOMA IN : MECHANICAL ENGINEERING

DURATION OF COURSE: 6 SEMESTERS

SEMESTER: FIFTH

BRANCH: : MECHANICAL ENGINEERING

Sl No	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
						TA	CT	TOTAL		INT	EXT	
1	Fluid Mechanics & Machinery	4	3	-	2	10	20	30	70	25	25	150
2	Engineering Metrology	3	2	-	2	5	10	15	35	25	25	100
3	Advanced Manufacturing Process	4	2	-	3	10	20	30	70	50	50	200
4	Measurement & Control	3	2	-	2	5	10	15	35	25	25	100
5	Power Engineering	4	3	-	2	10	20	30	70	25	25	150
6	Elective I	4	3	-	2	5	10	15	35	25	25	100
7	Industrial Project & Entrepreneurship	2	1	-	2	-	-	-	-	25	25	50
8	Professional Practice-III	1	-	-	2	-	-	-	-	25	25	50
TOTAL		25	16	-	17	45	90	135	315	225	225	900

STUDENT CONTACT HOURS PER WEEK:33 hrs

Theory and Practical Period of 60 Minutes each.

L- Lecture, TU- Tutorials, PR- Practical, INT-Internal Assessment , EXT-External Assessment, TA- Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION

TEACHING AND EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES

COURSE NAME: FULL TIME DIPLOMA IN : MECHANICAL ENGINEERING

DURATION OF COURSE: 6 SEMESTERS

SEMESTER: SIXTH

BRANCH: : MECHANICAL ENGINEERING

Sl No	SUBJECT	CREDITS	PERIODS			EVALUATION SCHEME						
			L	TU	PR	INTERNAL SCHEME			ESE	PR		TOTAL MARKS
						TA	CT	TOTAL		INT	EXT	
1	Design of M/C Elements	5	4	-	2	10	20	30	70	25	25	150
2	Industrial Management	3	3	-	-	10	20	30	70	-	-	100
3	Fluid Power	4	3	-	2	10	20	30	70	25	25	150
4	Elective II	4	3	-	2	5	10	15	35	25	25	100
5	Production Management	3	3	-	-	5	10	15	35	-	-	50
5	Project	3	-	-	6	-	-	-	-	50	50	100
6	Professional Practice-IV	2	-	-	4	-	-	-	-	25	25	50
7	General Viva	1	-	-	-	-	-	-	-		100	100
TOTAL		25	16	-	16	40	80	120	280	150	250	800

STUDENT CONTACT HOURS PER WEEK:32 hrs

Theory and Practical Period of 60 Minutes each.

L- Lecture, TU- Tutorials, PR- Practical, INT-Internal Assessment , EXT-External Assessment/ Assessment by all departmental lecturers for General Viva, TA-Teachers Assessment, CT- Class Test, ESE- End Semester Exam.

PRPPOSED CURRICULAR STRUCTURE FOR PART- 2(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:											
DURATION OF COURES: 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			
1	Basic Electronics	3+1	3		3	5	20	25	75	50	150
2	Circuit Theory	4+2	3	1	4	5	20	25	75	100	200
3	Fundamentals of Instrumentation	3	3			5	20	25	75		100
4	Electrical 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 and Auto CAD	3	1		4					100	100
8	Electrical Measurement & Machine Lab	2			3					100	100
9	Professional Practice - I	1			1					50	50
TOTAL		25	16	1	15	30	90	120	330	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

PRPPOSED CURRICULAR STRUCTURE FOR PART- 2(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:											
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			
1	Analog Electronics	3+2	3		4	5	20	25	75	100	200
2	Digital Electronics	4+2	3	1	4	5	20	25	75	100	200
3	Process Instrumentation – I	4+2	3	1	3	5	20	25	75	100	200
4	Electronic Measurement	2	2			5	10	15	35		50
5	Process Control	4	3	1		5	20	25	75		100
6	Development of Life skill- II	1			2					50	50
7	Professional Practice - II	1			2					50	50
TOTAL		25	14	3	15	25	90	115	335	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

PRPPOSED CURRICULAR STRUCTURE FOR PART- 2(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:											
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			
1	Process Instrumentation - II	4+2	3	1	3	5	20	25	75	100	200
2	Advance Process Control	4	3	1		5	20	25	75		100
3	Industrial Electronics	3+1	3		2	5	20	25	75	50	150
4	Microprocessor	3+1	3		2	5	20	25	75	50	150
5	Electronic Communication Fundamentals	2	2			5	10	15	35		50
6	Process Control Lab	2			4					100	100
7	Industrial Project & Entrepreneurship Development	2			3					50	50
8	Professional Practice - III	1			2					50	50
TOTAL		25	14	2	16	25	90	115	335	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

PRPPOSED CURRICULAR STRUCTURE FOR PART- 2(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:											
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			
1	Industrial Management	3	3			5	20	25	75		100
2	Advance Microprocessor and Microcontroller	4+2	3	1	4	5	20	25	75	100	200
3	Biomedical Instrumentation	2	2			5	10	15	35		50
4	Analytical Instrumentation	2	2			5	10	15	35		50
5	Elective (Any One) a) Power Plant Instrumentation b)Industrial Automation c)Computer Aided Instrumentation d)Data Communication	2+1	2		3	5	10	15	35	50	100
6	Circuit Simulation and Control Simulation Lab	2			4					100	100
7	General Viva Voce	3								100	100
8	Industrial Project	3			6					100	100
9	Professional Practice - IV	1			2					50	50
TOTAL		25	12	1	19	25	70	95	255	500	**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											