

PROPOSED CURRICULAR STRUCTURE FOR PART-II (2ND YEAR) OF THE FULL TIME DIPLOMA COURSE IN GIS & GPS

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION														
TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
BRANCH: DIPLOMA IN GIS & GPS							SEMESTER: THIRD							
SL. NO.	SUBJECT		CREDITS	PERIODS			EVALUATION SCHEME							
				L	TU	PR	INTERNAL SCHEME			ESE	PR #	TW @	TOTAL MARKS	
							TA	CT	TOTAL					
1	THEORETICAL	Spatial Statistics-I	3	3	-		10	20	30	70	-	-	100	
2		Geography & Cartography	3	3	-	-	10	20	30	70	-	-	100	
3		Demography & Social Science	3	3	-	-	10	20	30	70	-	-	100	
4		Database Management System	4	3	1	-	10	20	30	70	-	-	100	
5		Applied Surveying	3	3	-	-	10	20	30	70	-	-	100	
6	SESSIONAL/P	Application of GIS-Case Studies	3	-	-	4	-	-	-	-	25	25	50	
7		Computer Aided Drafting	3	-	-	3	-	-	-	-	50	50	100	
8		Professional Practice I	2	-	-	3	-	-	-	-	25	25	50	
9		Field Survey Practice-I	3			6					50	50	100	
TOTAL			27	15	1	16	TOTAL MARKS			150	350	150	150	800

STUDENT CONTACT HOURS PER WEEK: 32 Hrs.

Theory and Practical Period of 60 Minutes each.

- External Assessment @ - Internal Assessment, **ESE** - End Semester Exam, **CT** - Class Test, **TA** - Teachers Assessment.

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 GIS & GPS							SEMESTER: FOURTH							
SL. NO.	SUBJECT		CREDITS	PERIODS			EVALUATION SCHEME							
				L	TU	PR	INTERNAL SCHEME			ESE	PR #	TW @	TOTAL MARKS	
							TA	CT	TOTAL					
1	THEORETICAL	Spatial Statistics-II	3	3	-	-	10	20	30	70	-	-	100	
2		Advance Surveying-I	3	3	-	-	10	20	30	70	-	-	100	
3		Remote Sensing and Satellite Image Processing	3	3	-	-	10	20	30	70	-	-	100	
4		Elements of Geographic Information System	3	3	-	-	10	20	30	70	-	-	100	
5		Fundamentals of Global positioning System	2	2	-	-	5	10	15	35	-	-	50	
6	SESSIONAL/PR	Digital Image Processing-I	3	-	-	4	-	-	-	-	50	100	150	
7		GIS Practice-I	4	-	-	4	-	-	-	-	50	100	150	
8		Professional Practice II	2	-	-	3	-	-	-	-	25	25	50	
9		Development of Life Skill II	1	-	-	2	-	-	-	-	25	25	50	
10		Field Survey Practices – II	3	-	-	6	-	-	-	-	50	50	100	
TOTAL			27	14	-	19	TOTAL MARKS			135	315	200	300	950

STUDENT CONTACT HOURS PER WEEK: 33 Hrs.

Theory and Practical Period of 60 Minutes each.

- External Assessment @ - Internal Assessment, **ESE** - End Semester Exam, **CT** - Class Test, **TA** - Teachers Assessment.

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 GIS & GPS**

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION														
TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
BRANCH: DIPLOMA IN GIS & GPS							SEMESTER: FIFTH							
SL. NO.	SUBJECT		CREDITS	PERIODS			EVALUATION SCHEME							
				L	TU	PR	INTERNAL SCHEME			ESE	PR #	TW @	TOTAL MARKS	
							TA	CT	TOTAL					
1	THEORETICAL	Advance Geographic Information System	3	3	-	-	10	20	30	70	-	-	100	
2		Application of Geo-Informatics & Spatial Decision Support System.	3	3	-	-	10	20	30	70	-	-	100	
3		Elective –I **	4	3	1	-	10	20	30	70	-	-	100	
4	SESS/PR	Professional Practice III	2	-	-	3	-	-	-	-	25	25	50	
5		GIS Practice- II	4	-	-	4	-	-	-	-	50	100	150	
6		Digital Image Processing-II	4			4					50	50	100	
7		Mission Projects in India	1	-	-	2					25	25	50	
8		Project Part-1	4	-	-	8	-	-	-	-	75	125	200	
TOTAL			25	9	1	21	TOTAL MARKS			90	210	225	325	850

STUDENT CONTACT HOURS PER WEEK: 31 Hrs.

Theory and Practical Period of 60 Minutes each. .

**** Any one of the following**

1. Application of GIS In Agriculture 2. Application of GIS in Water Resources Management, 3. GIS in watershed management

- External Assessment @ - Internal Assessment, **ESE** - End Semester Exam, **CT**- Class Test, **TA** - Teachers Assessment.

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 GIS & GPS							SEMESTER: SIXTH							
SL. NO.	SUBJECT		CREDITS	PERIODS			EVALUATION SCHEME							
				L	TU	PR	INTERNAL SCHEME			ESE	PR #	TW @	TOTAL MARKS	
							TA	CT	TOTAL					
1	THEORETICAL	Entrepreneurship Development	3	3	-	-	10	20	30	70	-	-	100	
2		Elective-II ##	4	3	1	-	10	20	30	70	-	-	100	
3	SESS/PR	Project Part-2	6	-	-	12	-	-	-	-	100	200	300	
4		Mission Projects in India	2			3					25	25	50	
5		Seminar on Project	3			4					50	50	100	
6		Professional Practice IV	2	-	-	3	-	-	-	-	25	25	50	
7		General Viva-Voce	1	-	-		-	-	-	-	-	100	100	
TOTAL			21	6	1	22	TOTAL MARKS			60	140	200	400	800