

## 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: <b>DIPLOMA IN GIS &amp; GPS</b>							SEMESTER: <b>THIRD</b>							
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	
<b>TOTAL</b>			<b>27</b>	<b>15</b>	<b>1</b>	<b>16</b>	TOTAL MARKS			<b>150</b>	<b>350</b>	<b>150</b>	<b>150</b>	<b>800</b>

**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** – Lecture, **TU** –Tutorial, **PR** – Practical, **TW** – Term Work.

WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION														
TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
BRANCH: <b>DIPLOMA IN GIS &amp; GPS</b>							SEMESTER: <b>FOURTH</b>							
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	
<b>TOTAL</b>			<b>27</b>	<b>14</b>	<b>-</b>	<b>19</b>	TOTAL MARKS			<b>135</b>	<b>315</b>	<b>200</b>	<b>300</b>	<b>950</b>

**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** – Lecture, **TU** –Tutorial, **TW** – Term Work.

# 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: <b>DIPLOMA IN GIS &amp; GPS</b>							SEMESTER: <b>FIFTH</b>							
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	SESSIONAL/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	
<b>TOTAL</b>			<b>25</b>	<b>9</b>	<b>1</b>	<b>21</b>	TOTAL MARKS			<b>90</b>	<b>210</b>	<b>225</b>	<b>325</b>	<b>850</b>

**STUDENT CONTACT HOURS PER WEEK: 31 Hrs.**

Theory and Practical Period of 60 Minutes each. .

**\*\* Any one of the following**

**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.

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WEST BENGAL STATE COUNCIL OF TECHNICAL EDUCATION														
TEACHING & EXAMINATION SCHEME FOR DIPLOMA IN ENGINEERING COURSES														
BRANCH: <b>DIPLOMA IN GIS &amp; GPS</b>							SEMESTER: <b>SIXTH</b>							
SL. NO.	SUBJECT		CREDITS	PERIODS			EVALUATION SCHEME							
				L	TU	PR	INTERNAL SCHEME			ESE	PR #	TW @	TOTAL MARKS	
							TA	CT	TOTAL					
1	THEORETICAL	Entrepreneurship Development	2	2	-	-	5	10	15	35	-	-	50	
2		Elective-II ##	3	3	1	-	10	20	30	70	-	-	100	
3		Environmental Engineering	2	2			5	10	15	35			50	
4		Application of GIS In Urban, Rural Development & Regional Planning.	3	3	-	-	10	20	30	70	-	-	100	
5	SESSIONAL/PR	Project Part-II	4	-	-	12	-	-	-	-	100	100	200	
6		Seminar on Project	2			3					25	25	50	
7		Professional Practice IV	2	-	-	3	-	-	-	-	25	25	50	
8		General Viva-Voce	1	-	-	-	-	-	-	-	50	50	100	
9		Environmental Engineering Lab	2			3					50	50	100	
<b>TOTAL</b>			<b>21</b>	<b>10</b>	<b>1</b>	<b>21</b>	TOTAL MARKS			<b>90</b>	<b>210</b>	<b>250</b>	<b>250</b>	<b>800</b>

**STUDENT CONTACT HOURS PER WEEK: 32 Hrs.**

Theory and Practical Period of 60 Minutes each

**## Any one of the followings.**

**1. Application of GIS In Environmental Science & Management, 2. Application of GIS In Disaster Management,**

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