

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:02 DIPLOMA PROGRAMME IN AUTOMOBILE ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3350201</a>	INDUSTRIAL TRAINING	-	-	-	33**	0	0	300*	500	800
<b>TOTAL</b>		-	-	-	<b>33**</b>	<b>0</b>	<b>0</b>	<b>300*</b>	<b>500</b>	<b>800</b>

LEGENDS:

\*INDICATE EXTERNAL EXAM FOR PRACTICAL. (20 STUDENTS PER DAY WILL BE EXAMINED BY EXTERNAL EXAMINER.)

\*\*INDICATE LOAD OF TEACHING FACULTY PER WEEK PER DIVISION, FOR PLACING THE STUDENTS IN TRAINING, FOLLOW UP OF STUDENTS AT TRAINING (MINIMUM 1 TIMES PER MONTH), CONDUCT THE PRESENTATION WITH PPT / SPEAK OUT (MINIMUM 1 TIMES PER MONTH AT INSTITUTE).

ESE : END SEMEST

PA: PROGRESSVE ASSESSMENT

L: LECTURE

P: PRACTICAL

T: TUTORIAL

ESE for Practical includes VVa/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Mr. M J Pathak, Email id :- mehulpathak@yahoo.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE: 03 DIPLOMA PROGRAMME IN BIOMEDICAL ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3350301</a>	MI MICRO-CONTROLLER APPLICATION IN MEDICAL TECHNOLOGY	4	0	2	6	70	30	20	30	150
<a href="#">3350302</a>	MEDICAL IMAGING TECHNIQUES	4	0	2	6	70	30	20	30	150
<a href="#">3350303</a>	CRITICAL CARE INSTRUMENTATION	4	0	2	6	70	30	20	30	150
<a href="#">3350304</a>	THERAPEUTIC MEDICAL INSTRUMENTATION	4	0	2	6	70	30	20	30	150
<a href="#">3350305</a>	PROJECT-I	0	0	6	6	0	0	60	90	150
<b>TOTAL</b>		<b>16</b>	<b>0</b>	<b>14</b>	<b>30</b>	<b>280</b>	<b>120</b>	<b>140</b>	<b>210</b>	<b>750</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

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L: LECTURE  
P: PRACTICAL  
T: TUTORIAL

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PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Mr. A. K. Bula , Email id :- [abdulrazakbula@yahoo.co.in](mailto:abdulrazakbula@yahoo.co.in) with copy to [cdc@gtu.edu.in](mailto:cdc@gtu.edu.in)

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:05 DIPLOMA PROGRAMME IN CHEMICAL ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3350501</a>	INDUSTRIAL MANAGEMENT	3	0	0	3	70	30	0	0	100
<a href="#">3350502</a>	MASS TRANSFER - II	4	0	4	8	70	30	40	60	200
<a href="#">3350503</a>	PETROLEUM REFINING & PETROCHEMICAL TECHNOLOGY	4	0	2	6	70	30	20	30	150
<a href="#">3350504</a>	UTILITIES AND INSTRUMENTATION IN CHEMICAL PLANT	4	0	4	8	70	30	40	60	200
<a href="#">3350505</a>	CHEMICAL ENGINEERING THERMODYNAMICS	3	2	0	5	70	30	0	0	100
<b>TOTAL</b>		<b>18</b>	<b>2</b>	<b>10</b>	<b>30</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>750</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

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PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

L: LECTURE  
P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

For Any suggestion please write toMr. N. N. Hansaliya , Email id :- nitbhumit@yahoo.com with copy to cdc@gtu.edu.in
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:06 DIPLOMA PROGRAMME IN CIVIL ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3350601</a>	DESIGN OF STEEL STRUCTURE	3	0	4	7	70	30	40	60	200
<a href="#">3350602</a>	CONCRETE TECHNOLOGY	3	0	2	5	70	30	20	30	150
<a href="#">3350603</a>	WATER SUPPLY & SANITARY ENGINEERING	3	0	2	5	70	30	20	30	150
<a href="#">3350604</a>	ESTIMATING , COSTING & VALUATION	3	0	4	7	70	30	40	60	200
	ELECTIVE-I(ANY ONE )	3	0	2	5	70	30	20	30	150
3350609	PROJECT-I	0	0	4	4	---	---	40	60	100
<b>TOTAL</b>		<b>15</b>	<b>0</b>	<b>18</b>	<b>33</b>	<b>350</b>	<b>150</b>	<b>180</b>	<b>270</b>	<b>950</b>

ELECTIVE-I	
<a href="#">3350605</a>	ADVANCE CONSTRUCTION TECHNOLOGY
<a href="#">3350606</a>	HIGHWAY ENGINEERING
<a href="#">3350607</a>	IRRIGATION ENGINEERING
<a href="#">3350608</a>	ENVIRONMENTAL ENGINEERING & POLLUTION CONTROL

ESE : END SEMESTER EXAM  
 PA: PROGRESSIVE ASSESSMENT  
 L: LECTURE

P: PRACTICAL  
 T: TUTORIAL

ESE for Practical includes VVa/Practical exam/Performance etc.  
 PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals  
 PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or

For Any suggestion please write to Mr. B. G. Rajgor, Email id :- bgrstrengg@yahoo.com with copy to cdc@gtu.edu.in

## GUJARAT TECHNOLOGICAL UNIVERSITY

BRANCH CODE:07 DIPLOMA PROGRAMME IN COMPUTER ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3350701</a>	COMPUTER MAINTENACE AND TROUBLE SHOOTING	3	0	2	5	70	30	20	30	150
<a href="#">3350702</a>	DYNAMIC WEB PAGE DEVELOPMENT	3	0	4	7	70	30	40	60	200
<a href="#">3350703</a>	JAVA PROGRAMMING	3	0	4	7	70	30	40	60	200
	ELECTIVE-I (ANY ONE GROUP)	3	0	4	7	70	30	40	60	200
3350706	PROJECT-I	0	0	4	4	0	0	40	60	100
<b>TOTAL</b>		<b>12</b>	<b>0</b>	<b>18</b>	<b>30</b>	<b>280</b>	<b>120</b>	<b>180</b>	<b>270</b>	<b>850</b>

ELECTIVE-I	
GROUP I- NETWORKING	
<a href="#">3350704</a>	COMPUTER AND NETWORK SECURITY
GROUP II -WEB DEVELOPMENT	
<a href="#">3350705</a>	MULTIMEDIA AND ANIMATION TECHNIQUES

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

L: LECTURE  
P: PRACTICAL  
T: TUTORIAL

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals  
PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or  
Combination of all with prior intimation to the students at beginning of term

\*IN VITH SEMESTER ELECTIVES FROM THE SAME GROUP WILL BE OFFERED TO STUDENTS, WHICHEVER GROUP IS CHOSEN BY STUDENTS IN VTH SEMESTER

For Any suggestion please write to Mr. Kamlesh Raval, Email id :- raval.kamlesh@gmail.com with copy to cdc@gtu.edu.in
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:09 DIPLOMA PROGRAMME IN ELECTRICAL ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3350901</a>	WIRING ESTIMATING, COSTING & CONTRACTING	3	0	2	5	70	30	20	30	150
<a href="#">3350902</a>	ENERGY CONSERVATION & AUDIT	4	0	2	6	70	30	20	30	150
<a href="#">3350903</a>	POWER ELECTRONICS	4	0	2	6	70	30	20	30	150
<a href="#">3350904</a>	MICROPROCESSOR AND CONTROLLER APPLICATIONS	4	0	2	6	70	30	20	30	150
	ELECTIVE-I (ANY ONE)	3	0	2	5	70	30	20	30	150
3350908	PROJECT-I	0	0	4	4	0	0	40	60	100
<b>TOTAL</b>		<b>18</b>	<b>0</b>	<b>14</b>	<b>32</b>	<b>350</b>	<b>150</b>	<b>140</b>	<b>210</b>	<b>850</b>

ELECTIVE-I	
<a href="#">3350905</a>	WIND AND SOLAR ENERGY SYSTEMS
<a href="#">3350906</a>	SPECIAL ELECTRICAL MACHINES
<a href="#">3350907</a>	ELECTRIC TRACTION AND CONTROL

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

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L: LECTURE

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

For Any suggestion please write to Mr. Sunil Mehta, Email id :- me\_mehtasunil@rediffmail.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:11 DIPLOMA PROGRAMME IN ELECTRONICS & COMMUNICATION ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3351101</a>	MICROCONTROLLER	4	0	2	6	70	30	20	30	150
<a href="#">3351102</a>	MOBILE COMMUNICATION	4	0	2	6	70	30	20	30	150
<a href="#">3351103</a>	MICROWAVE & RADAR ENGINEERING	4	0	2	6	70	30	20	30	150
<a href="#">3351104</a>	SOFTWARE PRACTICES	0	0	2	2	0	0	20	30	50
	ELECTIVE-I (ANY ONE)	4	0	2	6	70	30	20	30	150
<a href="#">3351107</a>	PROJECT-I	0	0	4	4	0	0	40	60	100
	<b>TOTAL</b>	<b>16</b>	<b>0</b>	<b>14</b>	<b>30</b>	<b>280</b>	<b>120</b>	<b>140</b>	<b>210</b>	<b>750</b>

ELECTIVE - I	
<a href="#">3351105</a>	COMPUTER NETWORKS
<a href="#">3351106</a>	INSTRUMENTATION & CONTROL ENGG

ESE : END SEMESTER EXAM  
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P: PRACTICAL  
T: TUTORIAL

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For Any suggestion please write to Mr. S. J. chauhan , Email id :- sjssc@yahoo.co.in with copy to cdc@gtu.edu.in
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:13 DIPLOMA PROGRAMME IN ENVIRONMENTAL ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3351301</a>	ESTIMATING & COSTING OF ENVIRONMENTAL STRUCTURES	2	0	2	4	70	30	20	30	150
<a href="#">3351302</a>	PHYSICO CHEMICAL TREATMENT OF WATER & WASTE WATER	4	2	2	8	70	30	20	30	150
<a href="#">3351303</a>	INDUSTRIAL WATER POLLUTION	2	3	0	5	70	30	0	0	100
<a href="#">3351304</a>	SOLID WASTE MANAGEMENT	3	0	2	5	70	30	20	30	150
<a href="#">3351305</a>	ENVIRONMENTAL PROJECT MANAGEMENT	3	0	0	3	70	30	0	0	100
3351306	PROJECT-I	0	0	4	4	0	0	40	60	100
<b>TOTAL</b>		<b>14</b>	<b>5</b>	<b>10</b>	<b>29</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>750</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

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L: LECTURE  
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T: TUTORIAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Mr. Hitesh Purohit, Email id :- purohitech@gmail.com with copy to cdc@gtu.edu.in



**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:16 DIPLOMA PROGRAMME IN INFORMATION TECHNOLOGY										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3350703</a>	JAVA PROGRAMMING	3	0	4	7	70	30	40	60	200
<a href="#">3351601</a>	INFORMATION COMMUNICATION NETWORKS	3	0	4	7	70	30	40	60	200
<a href="#">3351602</a>	ESSENTIALS OF NETWORK SECURITY	3	0	4	7	70	30	40	60	200
	ELECTIVE -(ANY ONE GROUP)	3	0	4	7	70	30	40	60	200
3351605	PROJECT - I	0	0	4	4	0	0	40	60	100
<b>TOTAL</b>		<b>12</b>	<b>0</b>	<b>20</b>	<b>32</b>	<b>280</b>	<b>120</b>	<b>200</b>	<b>300</b>	<b>900</b>

ELECTIVE-I	
GROUP 1 [WEB & APP DEVELOPMENT ]	
<a href="#">3351603</a>	WEB PROGRAMMING USING ASP.NET
GROUP 2 [INFORMATION MANAGEMENT]	
<a href="#">3351604</a>	MANAGEMENT INFORMATION SYSTEM

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

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For Any suggestion please write to Mr. Manoj Parmar, Email id :- manojec@gmail.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:17 DIPLOMA PROGRAMME IN INSTRUMENTATION & CONTROL ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3351701</a>	ELECTRONIC & PNEUMATIC INSTRUMENTATION	3	0	4	7	70	30	40	60	200
<a href="#">3351702</a>	PROCESS INSTRUMENTATION-II	3	0	4	7	70	30	40	60	200
<a href="#">3351703</a>	ANALYTICAL INSTRUMENTATION	3	0	2	5	70	30	20	30	150
	ELECTIVE-I(ANY ONE GROUP)	3	0	2	5	70	30	20	30	150
3351706	PROJECT-I(WITH SEMINAR)	0	0	6	6	0	0	60	90	150
<b>TOTAL</b>		<b>12</b>	<b>0</b>	<b>18</b>	<b>30</b>	<b>280</b>	<b>120</b>	<b>180</b>	<b>270</b>	<b>850</b>

ELECTIVE-I	
<b>GROUP 1: INDUSTRIAL AUTOMATION</b>	
<a href="#">3351704</a>	PLC PROGRAMMING
<b>GROUP 2: EMBEDDED INSTRUMENTATION</b>	
<a href="#">3351705</a>	MICROPROCESSOR AND MICROCONTROLLER IN INSTRUMENTATION

ESE : END SEMESTER EXAM  
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For Any suggestion please write to Ms.Rupal Merchant, Email id :- merchantrupal@gmail.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:19 DIPLOMA PROGRAMME IN MECHANICAL ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3351901</a>	THERMAL ENGINEERING-II	2	0	2	4	70	30	20	30	150
<a href="#">3351902</a>	DESIGN OF MACHINE ELEMENTS	3	0	2	5	70	30	20	30	150
<a href="#">3351903</a>	MANUFACTURING ENGINEERING-III	3	0	4	7	70	30	40	60	200
<a href="#">3351904</a>	INDUSTRIAL ENGINEERING	3	0	2	5	70	30	20	30	150
<a href="#">3351905</a>	ESTIMATING, COSTING AND ENGINEERING CONTRACTING	2	0	2	4	70	30	20	30	150
	ELECTIVE-I [ANY ONE ELECTIVE FROM ANY ONE GROUP]	3	0	2	5	70	30	20	30	150
3351908	PROJECT-I	0	1	3	4	0	0	40	60	100
<b>TOTAL</b>		<b>16</b>	<b>1</b>	<b>17</b>	<b>34</b>	<b>420</b>	<b>180</b>	<b>180</b>	<b>270</b>	<b>1050</b>

ELECTIVE-I	
<b>GROUP 1-MANUFACTURING ENGINEERING</b>	
<a href="#">3351906</a>	SELF EMPLOYEMENT AND ENTREPRENEURSHIP DEVELOPMENT OR
<a href="#">3351907</a>	OPERATIONS MANAGEMENT AND INFORMATION SYSTEMS
<b>GROUP 2-THERMAL ENGINEERING</b>	
<a href="#">3351906</a>	SELF EMPLOYEMENT AND ENTREPRENEURSHIP DEVELOPMENT OR
<a href="#">3351907</a>	OPERATIONS MANAGEMENT AND INFORMATION SYSTEMS
<b>GROUP 3-FLUID ENGINEERING</b>	
<a href="#">3351906</a>	SELF EMPLOYEMENT AND ENTREPRENEURSHIP DEVELOPMENT OR
<a href="#">3351907</a>	OPERATIONS MANAGEMENT AND INFORMATION SYSTEMS

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T: TUTORIAL

\*IN VITH SEMESTER ELECTIVES FROM THE SAME GROUP WILL BE OFFERED TO STUDENTS, WHICHEVER GROUP IS CHOSEN BY STUDENTS IN VTH SEMESTER

For Any suggestion please write to Mr. A. M. Talsaniya , Email id :- atalsaniya@yahoo.com with copy to cdc@gtu.edu.in
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:20 DIPLOMA PROGRAMME MECHATRONICS ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3351903</a>	MANUFACTURING ENGINEERING-III	3	0	4	7	70	30	40	60	200
<a href="#">3352001</a>	FUNDAMENTALS OF THERMAL AND FLUID DEVICES	4	0	2	6	70	30	20	30	150
<a href="#">3352002</a>	MACHINE DESIGN	3	0	4	7	70	30	40	60	200
<a href="#">3352003</a>	PROGRAMMABLE LOGIC CONTROLLERS	3	0	4	7	70	30	40	60	200
3352004	PROJECT - I	0	0	4	4	0	0	40	60	100
<b>TOTAL</b>		<b>13</b>	<b>0</b>	<b>18</b>	<b>31</b>	<b>280</b>	<b>120</b>	<b>180</b>	<b>270</b>	<b>850</b>

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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:21 DIPLOMA PROGRAMME IN METALLURGY ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3352101</a>	STEEL MAKING	3	0	0	3	70	30	0	0	100
<a href="#">3352102</a>	CORROSION OF METALS	3	0	4	7	70	30	40	60	200
<a href="#">3352103</a>	ALLOY STEEL	3	0	2	5	70	30	20	30	150
	ELECTIVE-I [ONE SUBJECT FROM ANY GROUP]	3	2	0	5	70	30	20	30	150
	ELECTIVE II [ ONE SUBJECT FROM SAME GROUP ]	3	0	2	5	70	30	20	30	150
3352108	PROJECT-I	0	0	8	8	0	0	80	120	200
<b>TOTAL</b>		<b>15</b>	<b>2</b>	<b>14</b>	<b>33</b>	<b>350</b>	<b>150</b>	<b>180</b>	<b>270</b>	<b>950</b>

GROUP-I	
<a href="#">3352104</a>	METALLURGICAL THERMODYNAMICS AND KINETICS
<a href="#">3352105</a>	ADVANCE ENGINEERING MATERIALS
GROUP-II	
<a href="#">3352106</a>	THERMAL TREATMENT OF METALS AND ALLOYS
<a href="#">3352107</a>	ADVANCE FOUNDRY

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

L: LECTURE

P: PRACTICAL

T: TUTORIAL

\*IN VITH SEMESTER ELECTIVES FROM THE SAME GROUP WILL BE OFFERED TO STUDENTS, WHICHEVER GROUP IS CHOSEN BY STUDENTS IN VTH SEMESTER

ESE for Practical includes VVa/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Mr. I. B.Dave, Email id :- indravadan2000@rediffmail.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:22 DIPLOMA PROGRAMME IN MINING ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3352201</a>	MINING II	3	0	2	5	70	30	20	30	150
<a href="#">3352202</a>	MINE VENTILATION	4	0	2	6	70	30	20	30	150
<a href="#">3352203</a>	ROCK MECHANICS	3	0	2	5	70	30	20	30	150
<a href="#">3352204</a>	MINING HAZARDS & SAFETY	4	0	2	6	70	30	20	30	150
<a href="#">3352205</a>	ELECTRICAL ENGINEERING FOR MINING	3	0	2	5	70	30	20	30	150
<a href="#">3352206</a>	MINING & PROCESSING OF DIMENTIONAL STONE	3	0	0	3	70	30	0	0	100
3352207	PROJECT-I	0	0	4	4	0	0	40	60	100
<b>TOTAL</b>		<b>20</b>	<b>0</b>	<b>14</b>	<b>34</b>	<b>420</b>	<b>180</b>	<b>140</b>	<b>210</b>	<b>950</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

L: LECTURE

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

For Any suggestion please write to Mr. S.G.ShrVastava, Email id :- shashV07@rediffmail.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:23 DIPLOMA PROGRAMME IN PLASTIC ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3352301	INDUSTRIAL TRAINING-I	-	-	-	30	0	0	300	500	800
<b>TOTAL</b>		-	-	-	<b>30</b>	<b>0</b>	<b>0</b>	<b>300</b>	<b>500</b>	<b>800</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

L: LECTURE

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or  
Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

For Any suggestion please write to Mr. A.S. Amin , Email id :- <a href="mailto:ajayamin2000@yahoo.co.in">ajayamin2000@yahoo.co.in</a> with copy to <a href="mailto:cdc@gtu.edu.in">cdc@gtu.edu.in</a>
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:24 DIPLOMA PROGRAMME IN POWER ELECTRONICS										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3352401</a>	AC MOTOR DRIVES	4	1	2	7	70	30	20	30	150
<a href="#">3352402</a>	APPLIED POWER ELECTRONICS	3	0	2	5	70	30	20	30	150
<a href="#">3352403</a>	AC POWER ELECTRONIC CONVERTERS	3	1	2	6	70	30	20	30	150
<a href="#">3352404</a>	MICROCONTROLLER FOR POWER ELECTRONICS	4	1	2	7	70	30	20	30	150
<a href="#">3352405</a>	CONTROL SYSTEM FOR POWER ELECTRONICS	4	0	2	6	70	30	20	30	150
<b>TOTAL</b>		<b>18</b>	<b>3</b>	<b>10</b>	<b>31</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>750</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

L: LECTURE

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

For Any suggestion please write to Mr. S.A.Patel , Email id :- patel_sunil5@gtu.edu.in with copy to cdc@gtu.edu.in
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:28 DIPLOMA PROGRAM IN TEXTILE PROCESSING TECHNOLOGY										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3352801</a>	COMPUTER AIDED COLOUR SCIENCE IN TEXTILE WET PROCESSING	4	0	4	8	70	30	40	60	200
<a href="#">3352802</a>	QUALITY & PROCESS CONTROL IN WET PROCESSING	4	0	4	8	70	30	40	60	200
<a href="#">3352803</a>	INDUSTRIAL MANAGEMENT OF WET PROCESSING INDUSTRIES	4	0	0	4	70	30	0	0	100
<a href="#">3352804</a>	CHEMISTRY OF INTERMEDIATES AND DYESTUFFS	4	0	0	4	70	30	0	0	100
<a href="#">3352805</a>	CHEMISTRY & EVALUATION OF TEXTILE AUXILIARIES	4	0	2	6	70	30	20	30	150
<b>TOTAL</b>		<b>20</b>	<b>0</b>	<b>10</b>	<b>30</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>750</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

L: LECTURE  
P: PRACTICAL  
T: TUTORIAL

PA for Theory includes Written Exam/Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Mr.J.H.Thakkar , Email id :- thakkerjayana2000@rediffmail.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:29 DIPLOMA PROGRAM IN TEXTILE MANUFACTURING TECHNOLOGY										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3352901</a>	MAN MADE FIBRE TECHNOLOGY	3	0	2	5	70	30	20	30	150
<a href="#">3352902</a>	FABRIC STRUCTURE - III	3	0	4	7	70	30	40	60	200
<a href="#">3352903</a>	ADVANCE TEXTURISING & TWISTING	3	0	2	5	70	30	20	30	150
<a href="#">3352904</a>	PRODUCTION PLANNING	4	2	2	8	70	30	20	30	150
<a href="#">3352905</a>	QUALITY AND PROCESS CONTROL IN SPINNING AND WEAVING	4	0	0	4	70	30	0	0	100
<b>TOTAL</b>		<b>17</b>	<b>2</b>	<b>10</b>	<b>29</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>750</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

L: LECTURE  
P: PRACTICAL  
T: TUTORIAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Mr.V.N Sony , Email id :- vijalk_sony@yahoo.co.in with copy to cdc@gtu.edu.in
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:50 DIPLOMA PROGRAMME IN ARCHITECTURAL ASSISTANTSHIP										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3355001	WORKING DRAWINGS*	0	0	12	12	0	0	100	200	300
3355002	ARCHITECTURAL PRACTICE AND MANAGEMENT	3	0	0	3	70	30	0	0	100
3355003	ADVANCED STRUCTURE	3	0	2	5	70	30	20	30	150
3355004	ESTIMATING AND COSTING	2	0	2	4	70	30	20	30	150
	ELECTIVE-I:(ANY ONE)	0	0	6	6	0	0	60	90	150
	<b>TOTAL</b>	<b>8</b>	<b>0</b>	<b>22</b>	<b>30</b>	<b>210</b>	<b>90</b>	<b>200</b>	<b>350</b>	<b>850</b>

> The practical classes of above ( \* ) marked subjects have extensive theory component taught in them so as to develop and encourage subject related skills. Theory is to be taught during design process and in correlation to other subjects.

ELECTIVE-I	
3355005	LANDSCAPE ARCHITECTURE
3355006	ELEMENTS OF INTERIOR DESIGN

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

L: LECTURE

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

For Any suggestion please write to Mr. Bhasker Iyer , Email id :- bhaskariyer2004@gmail.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:51 DIPLOMA PROGRAMME IN COSTUME DESIGN AND DRESS MAKING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
3355101	INTERNSHIP PRESENTATION	0	0	4	4	0	0	40	60	100
<a href="#">3355102</a>	PRODUCTION PLANNING, MANAGEMENT & CONTROL	4	0	0	4	70	30	0	0	100
<a href="#">3355103</a>	CAD-II	0	0	4	4	0	0	40	60	100
<a href="#">3355104</a>	ADVANCE APPAREL PRODUCTION TECHNOLOGY	4	0	0	4	70	30	0	0	100
<a href="#">3355105</a>	FASHION GARMENT	0	0	6	6	0	0	60	90	150
<a href="#">3355106</a>	ADVANCE DRAPING	0	0	4	4	0	0	40	60	100
3355107	PROJECT-I	0	0	4	4	0	0	60	90	150
	<b>Total</b>	<b>8</b>	<b>0</b>	<b>22</b>	<b>30</b>	<b>140</b>	<b>60</b>	<b>240</b>	<b>360</b>	<b>800</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

L: LECTURE

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

P: PRACTICAL

T: TUTORIAL

For Any suggestion please write to Mrs. Seema Bhatt , Email id :- sh\_bhatt99@yahoo.co.in with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:52 DIPLOMA PROGRAMME IN CERAMIC ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3355201</a>	APPLIED CERAMICS	3	0	2	5	70	30	20	30	150
<a href="#">3355202</a>	INDUSTRIAL MANAGEMENT	3	0	0	3	70	30	0	0	100
<a href="#">3355203</a>	ADVANCE WHITE WARE	3	0	4	7	70	30	40	60	200
<a href="#">3355204</a>	ADVANCE REFRACTORY	3	0	4	7	70	30	40	60	200
<a href="#">3355205</a>	QUALITY CONTROL	3	0	2	5	70	30	20	30	150
	ELECTIVE-I(ANY ONE)	3	0	2	5	70	30	20	30	150
	<b>TOTAL</b>	<b>18</b>	<b>0</b>	<b>14</b>	<b>32</b>	<b>420</b>	<b>180</b>	<b>140</b>	<b>210</b>	<b>950</b>

ELECTIVE-I	
<a href="#">3355206</a>	STRUCTURAL CLAY PRODUCT
<a href="#">3355207</a>	BIO-CERAMIC
<a href="#">3355208</a>	CERAMIC PROCESSING

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

L: LECTURE

P: PRACTICAL

T: TUTORIAL

ESE for Practical includes VVa/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Mr. Bharat B Patel, Email id :- bharat.lecollege@gmail.com with copy to cdc@gtu.edu.in

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:55 DIPLOMA PROGRAMME IN FABRICATION TECHNOLOGY										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3355501</a>	FABRICATION DESIGN	4	0	2	6	70	30	20	30	150
<a href="#">3355502</a>	PROCESS PIPING FABRICATION	4	0	2	6	70	30	20	30	150
<a href="#">3355503</a>	WELDING METALLURGY	4	0	2	6	70	30	20	30	150
<a href="#">3355504</a>	INDUSTRIAL MANAGEMENT & ORGANIZATIONAL BEHAVIOUR	4	0	2	6	70	30	20	30	150
<a href="#">3355505</a>	WELDING INSPECTION & TESTING	4	0	2	6	70	30	20	30	150
<b>TOTAL</b>		<b>20</b>	<b>0</b>	<b>10</b>	<b>30</b>	<b>350</b>	<b>150</b>	<b>100</b>	<b>150</b>	<b>750</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

L: LECTURE

P: PRACTICAL  
T: TUTORIAL

ESE for Practical includes VVa/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Mr. P.B.Pathak, Email id :- [pbpathak\\_bh2010@rediffmail.com](mailto:pbpathak_bh2010@rediffmail.com) with copy to [cdc@gtu.edu.in](mailto:cdc@gtu.edu.in)

**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE:58 DIPLOMA PROGRAMME IN PRINTING TECHNOLOGY										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3355801</a>	COMPUTER AIDED GRAPHIC DESIGN	3	0	4	7	70	30	40	60	200
<a href="#">3355802</a>	CONVERTING AND PACKAGING	4	0	2	6	70	30	20	30	150
<a href="#">3355803</a>	PREVENTIVE MAINTENANCE	3	0	0	3	70	30	0	0	100
<a href="#">3355804</a>	COSTING AND ESTIMATING FOR PRINTING	4	0	0	4	70	30	0	0	100
<a href="#">3355805</a>	FLEXOGRAPHIC PRINTING PROCESS	4	0	2	6	70	30	20	30	150
<a href="#">3355806</a>	GRAVURE PRINTING PROCESS	4	0	2	6	70	30	20	30	150
<b>TOTAL</b>		<b>22</b>	<b>0</b>	<b>10</b>	<b>32</b>	<b>420</b>	<b>180</b>	<b>100</b>	<b>150</b>	<b>850</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

L: LECTURE

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/ Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

For Any suggestion please write to Mr. B.L.Patel, Email id :- blprintingrecti@yahoo.in with copy to cdc@gtu.edu.in
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE: 59 DIPLOMA PROGRAMME IN TEXTILE DESIGN										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3355901</a>	COMPUTER COLOUR MATCHING	4	0	3	7	70	30	20	30	150
<a href="#">3355902</a>	TRADITIONAL PRINTING DESIGN - II	3	0	0	3	70	30	0	0	100
<a href="#">3355903</a>	FASHION DESIGN	0	0	10	10	0	0	100	200	300
<a href="#">3355904</a>	ADVANCE TEXTILE DESIGN & PRINTING	0	0	14	14	0	0	100	200	300
<b>TOTAL</b>		<b>7</b>	<b>0</b>	<b>27</b>	<b>34</b>	<b>140</b>	<b>60</b>	<b>220</b>	<b>430</b>	<b>850</b>

ESE : END SEMESTER EXAM  
PA: PROGRESSVE ASSESSMENT

ESE for Practical includes VVa/Practical exam/Performance etc.

L: LECTURE

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

P: PRACTICAL

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

T: TUTORIAL

For Any suggestion please write to A.C.Dalal, Email id :- <a href="mailto:acdalal@yahoo.com">acdalal@yahoo.com</a> with copy to <a href="mailto:cdc@gtu.edu.in">cdc@gtu.edu.in</a>
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**GUJARAT TECHNOLOGICAL UNIVERSITY**

BRANCH CODE: 60 DIPLOMA PROGRAMME IN TRANSPORTATION ENGINEERING										
SEMESTER - V										
COURSE CODE	COURSE TITLE	TEACHING SCHEME				EXAMINATION SCHEME				GRAND TOTAL
		L	T	P	CREDITS (L+T+P)	THEORY MARKS		PRACTICAL MARKS		
						ESE	PA	ESE	PA	
<a href="#">3350602</a>	CONCRETE TECHNOLOGY	3	0	2	5	70	30	20	30	150
<a href="#">3356001</a>	ADVANCED TRAFFIC ENGINEERING	3	0	2	5	70	30	20	30	150
<a href="#">3356002</a>	HIGHWAY CONSTRUCTION	3	0	2	5	70	30	20	30	150
<a href="#">3356003</a>	QUANTITY SURVEY AND COSTING	3	0	4	7	70	30	40	60	200
	ELECTIVE -(ANY ONE GROUP)	3	0	2	5	70	30	20	30	150
3356006	PROJECT-I	0	0	4	4	---	---	40	60	100
<b>TOTAL</b>		<b>15</b>	<b>0</b>	<b>16</b>	<b>31</b>	<b>350</b>	<b>150</b>	<b>160</b>	<b>240</b>	<b>900</b>

ELECTIVE-I	
GROUP 1: EXECUTION GROUP	
<a href="#">3356004</a>	HIGHWAY MAINTENANCE
GROUP 2: DESIGN GROUP	
<a href="#">3356005</a>	TRANSPORT AND ENVIRONMENT

ESE : END SEMESTER EXAM  
PA: PROGRESSIVE ASSESSMENT

L: LECTURE

P: PRACTICAL

T: TUTORIAL

ESE for Practical includes VVa/Practical exam/Performance etc.

PA for Practicals includes TW/Report writing/Mini Project/Seminar etc. related to practicals

PA for Theory includes Written Exam /Assignment/Tutorial Work/Mini Project/Quiz/Presentation or Combination of all with prior intimation to the students at beginning of term

For Any suggestion please write to Prof. Shruti Khara, Email id :- shruti21063@gmail.com with copy to cdc@gtu.edu.in