

**GUJARAT TECHNOLOGICAL UNIVERSITY (GTU)**  
**DIPLOMA AUTOMOBILE ENGINEERING**

<b><u>SEMESTER - I</u></b>										
COURSE CODE	COURSE TITLE	TEACHING SCHEME/WEEK			CREDITS (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY MARKS		PRACTICAL		
						ESE	PA	ESE	PA	
<a href="#">3300001</a>	BASIC MATHEMATICS	2	2	0	4	70	30	0	0	100
<a href="#">3300002</a>	ENGLISH	3	2	0	5	70	30	20	30	150
<a href="#">3300004</a>	ENGINEERING PHYSICS ( GROUP-1 )	3	0	2	5	70	30	20	30	150
<a href="#">3300007</a>	BASIC ENGINEERING DRAWING	2	0	4	6	70	30	40	60	200
<a href="#">3300008</a>	APPLIED MECHANICS	3	0	2	5	70	30	20	30	150
<a href="#">3301901</a>	ENGINEERING WORKSHOP PRACTICE	0	0	4	4	0	0	40	60	100
		13	4	12						
TOTAL					29	350	150	140	210	850

<b><u>SEMESTER - II</u></b>										
COURSE CODE	COURSE TITLE	TEACHING SCHEME			CREDITS (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
<a href="#">1990001</a>	CONTRIBUTOR PERSONALITY DEVELOPMENT	4	0	0	4	70	30	20	30	150
<a href="#">3300003</a>	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	4	0	0	4	70	30	0	0	100
<a href="#">3321902</a>	MATERIAL SCIENCE & METALLURGY	3	0	2	5	70	30	20	30	150
<a href="#">3300014</a>	BASIC OF ELECTRICAL & ELECTRONICS ENGINEERING	3	0	2	5	70	30	20	30	150
<a href="#">3320201</a>	THERMODYNAMICS & HYDRAULICS	3	2	0	5	70	30	0	0	100
<a href="#">3300012</a>	COMPUTER APPLICATION & GRAPHICS	0	0	4	4	0	0	40	60	100
		17	2	8						
TOTAL					27	350	150	100	150	750

**SEMESTER - III**

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="#">3330201</a>	AUTOMOBILE ENGINES	3	0	2	5	70	30	20	30	150
<a href="#">3330202</a>	AUTOMOBILE TRANSMISSION & MECHANISM	4	0	2	6	70	30	20	30	150
<a href="#">3330203</a>	AUTOMOBILE ELECTRICAL SYSTEM	3	0	2	5	70	30	20	30	150
<a href="#">3330204</a>	FUELS & LUBRICANTS	3	0	2	5	70	30	20	30	150
<a href="#">3330205</a>	AUTOMOBILE POLLUTION CONTROL ENGINEERING	3	0	2	5	70	30	20	30	150
<a href="#">3330206</a>	AUTOMOBILE COMPONENT DESIGN	4	0	2	6	70	30	20	30	150
TOTAL		20	0	12	32	420	180	120	180	900

**SEMESTER - IV**

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="#">3340201</a>	VEHICLE BODY ENGINEERING	3	0	2	5	70	30	20	30	150
<a href="#">3340202</a>	VEHICLE KINEMATICS & DYNAMICS	4	2	0	6	70	30	0	0	100
<a href="#">3340203</a>	MODERN VEHICLE TECHNOLOGY	4	0	2	6	70	30	20	30	150
<a href="#">3340204</a>	AUTOMOBILE INDUSTRIAL MANAGEMENT	3	0	0	3	70	30	0	0	100
<a href="#">3340205</a>	AUTOMOBILE TRADE PRACTICE	0	0	2	2	0	0	20	30	50
<a href="#">3340206</a>	AUTOMOBILE MANUFACTURING TECHNOLOGY	4	0	2	6	70	0	20	30	150
<a href="#">3340207</a>	HUMAN RESOURCE MANAGEMENT FOR AUTO INDUSTRY	2	0	0	2	70	30	0	0	100
TOTAL		20	2	8	30	420	180	80	120	800

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

<b><u>SEMESTER VI</u></b>										
<b>COURSE CODE</b>	<b>COURSE TITLE</b>	<b>TEACHING SCHEME</b>				<b>EXAMINATION SCHEME</b>				<b>GRAND TOTAL</b>
		<b>L</b>	<b>T</b>	<b>P</b>	<b>CREDITS (L+T+P)</b>	<b>THEORY MARKS</b>		<b>PRACTICAL MARKS</b>		
						<b>ESE</b>	<b>PA</b>	<b>ESE</b>	<b>PA</b>	
<a href="#">3360201</a>	AUTO ENGINES DIAGNOSIS AND TESTING	4	0	2	6	70	30	20	30	150
<a href="#">3360202</a>	AUTO TRANSMISSION-MECHANISM DIAGNOSIS AND TESTING	4	0	2	6	70	30	20	30	150
<a href="#">3360203</a>	AUTO ELECTRICAL SYSTEM DIAGNOSIS AND TESTING	4	0	2	6	70	30	20	30	150
<a href="#">3360204</a>	VEHICLE AIR CONDITIONING	3	0	2	5	70	30	20	30	150
<a href="#">3360205</a>	MOTOR VEHICLE ACTS & LOSS ASSESMENT	3	0	0	3	70	30	0	0	100
<a href="#">3360206</a>	TECHNICAL SEMINAR	0	0	3	3	0	0	40**	60	100
<b>TOTAL</b>		18	0	11	29	350	150	80	180	800

**ESE : END SEMESTER EXAM. PA: PROGRESSIVE ASSESSMENT L: LECTURE. P: PRACTICAL T: TUTORIAL.**

ESE for Practical includes Viva/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.



**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**(Established under Gujarat Act No. 20 of 2007)**

ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી  
(ગુજરાત અધિનિયમ ક્રમાંક: ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Ref. GTU/ACAD/2013/ 6350

Date: - 29-06-2013

**Read: 1. Resolution of Dept of Education, Govt. of Gujarat dated 03/05/2012.**

**2. Notification of Dept of Education, Govt. of Gujarat dated 30/03/2013.**

**3. Hon. Vice Chancellor Approval dated 19/06/2013.**

**3. Resolution No. 5 of The Academic Council, GTU meeting dated 24/06/2013.**

**Sub: Bridge course for the students of Diploma Engineering under C2D category**

**Circular :**

All the institutes are hereby informed to implement the following:

1. The institutes where students have secured admissions under C2D have to provide facility to arrange bridge course to bring C2D students at par with the students of 3<sup>rd</sup> semester. The students shall be offered bridge course 1 & 2 in distance learning mode philosophy correspondingly covering subjects of sem 1 & 2 of regular diploma Engg. Program.
2. Under special circumstances & crunch of time the bridge course 1 shall be offered in first month of academic semester commencing from 1<sup>st</sup> July 2013 and the bridge course 2 shall be offered in first month of even semester.
3. For next academic year the bridge course for sem. 1 & 2 are to be completed before the commencement of sem. 3 as the student may be overburdened in the above proposed mechanism and the failure rate may be higher.
4. The students shall appear for exams of bridge course 1 at the end of the odd semester to be conducted by the university in the month of November 2013. Backlog of such candidate shall be considered at the entry of Sem. 5. There after students of C2D will be treated as regular student of Diploma and abide by the prevailing rules & regulations of the university.
5. The structure of the bridge course for the corresponding branches with details is attached herewith. (**Annexure.-I & II**)
6. The subject: "Contributory Personality Development" (Subject Code: 1990001) shall be offered at semester 4 in regular mode along with the sem.-2 of regular diploma students.
7. The grade of students shall be determined as CGPA of the last 4 semesters of the diploma program to award the diploma. The Diploma shall be awarded as same as regular entry student.
8. To maintain the uniformity amongst the all affiliated institute university recommended to Government on the basis of committee report.
  - a) Fees of Rs 1000 per course (Subject) for the students.
  - b) The honorarium payable to the faculty shall be as per the G.R. for visiting lectures ie. Rs 250/Lecture. As per the proportionate credits for practical, the honorarium for practical shall be Rs 125/practice.

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Registrar

**Winners of: ICT Enabled University Award E-India - 2009 Manthan Award - 2009**

## GUJARAT TECHNOLOGICAL UNIVERSITY

**BRANCH CODE:02 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN AUTOMOBILE ENGINEERING**

### SEMESTER - I

COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN HOURS)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300001	BASIC MATHEMATICS	14	10	0	24	70	30	0	0	100
C300002	ENGLISH	21	10	0	31	70	30	20	30	150
C300004	ENGINEERING PHYSICS ( GROUP-1 )	21	0	14	35	70	30	20	30	150
C300008	APPLIED MECHANICS	21	0	14	35	70	30	20	30	150
	Total	77	20	28	125	280	120	60	90	550

**ESE : END SEMESTER EXAM**

**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**T: TUTORIAL**

**P: PRACTICAL**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Seminar etc. related to practices**

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

**Note: For syllabus of Bridge Course refer as per table below:**

Bridge Course Code		Regular Course code
C300001	< = >	3300001
C300002	< = >	3300002
C300004	< = >	3300004
C300008	< = >	3300008

# GUJARAT TECHNOLOGICAL UNIVERSITY

**BRANCH CODE:02 BRIDGE COURSE FOR DIPLOMA PROGRAMME IN AUTOMOBILE ENGINEERING**

## SEMESTER - II

COURSE CODE	COURSE TITLE	TEACHING SCHEME(IN)			Total Hrs (L+T+P)	EXAMINATION SCHEME				GRAND TOTAL
		L	T	P		THEORY		PRACTICAL		
						ESE	PA	ESE	PA	
C300003	ENVIRONMENT CONSERVATION & HAZARD MANAGEMENT	28	0	0	28	70	30	0	0	100
C320201	THERMODYNAMICS & HYDRAULICS	21	10	0	31	70	30	0	0	100
	TOTAL	49	10	0	59	140	60	0	0	200

**ESE : END SEMESTER EXAM**

**PA: PROGRESSIVE ASSESSMENT**

**L: LECTURE**

**T: TUTORIAL**

**P: PRACTICAL**

**Note: For syllabus of Bridge Course refer as per table below:**

**ESE for Practical includes Viva/Practical exam/Performance etc.**

**PA for Practicals includes TW/Report writing/Seminar etc. related to practices**

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

Bridge Course Code		Regular Course code
C300003	<=>	3300003
C320201	<=>	3320201

