

GUJARAT TECHNOLOGICAL UNIVERSITY
Computer Engineering (07)
BE 1st To 8th Semester Exam Scheme & Subject Code

EVALUATION SCHEME

University Exam (Theory) (E)		University Exam (Practical) (E)		Continuous Evaluation Process(M)		Practical (I)	
MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
70	23	X	50% of X	20	8	10	4
				30	12	X	50% of X

NOTE :

X = Marks of the Particular Subject.

Continuous Evaluation(M) 20/8 and Practical (I) 10/4 scheme apply up to April 2009

Continuous Evaluation(M) 30/12 and Practical X/ 50% of X scheme apply from April 2009 onward.

University Exam (Practical) (E) Component is applicable only in 7th & 8th Semester.

1st Year

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
110001	Chemistry	3	0	2	5	70	—	30	50	150	7
110002	Communication Skills	1	0	2	3	70	—	30	50	150	7
110003	Computer Programming & Utilization (Revised)	2	0	4	6	70	—	30	50	150	7
110004	Elements of Civil Engineering (Revised)	4	0	2	6	70	—	30	50	150	7
110005	Elements of Electrical Engineering	4	0	2	6	70	—	30	50	150	7
110006	Elements of Mechanical Engineering	4	0	2	6	70	—	30	50	150	7
110007	Environmental Studies	3	0	0	3	70	—	30	50	150	7
110008 OR 110014	Maths-I (entry year 2008-10 having backlog)OR Calculus (entry year 2011-12)	3	2	0	5	70	—	30	50	150	7
110009 OR 110015	Maths-II (entry year 2008-10 having backlog) OR Vector Calculus and Linear Algebra (entry year 2011-12)	3	2	0	5	70	—	30	50	150	7
110010	Mechanics of Solids (Revised)	3	0	2	5	70	—	30	50	150	7
110011	Physics	3	0	2	5	70	—	30	50	150	7
110012	Workshop	0	0	4	4	0	—	0	100	100	7
110013	Engineering Graphics	2	0		6	70	—	30	50	150	7
	TOTAL	35	4	26	65						

Semester III

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
130001/ 130002	Mathematics-3 / Advanced Engineering Mathematics (New)	3	2	0	5	70	—	30	50	150	7
131101	Basic Electronics	4	0	2	6	70	—	30	50	150	7
130702	Data and File Structure	3	0	2	5	70	—	30	50	150	7
130701	Digital Logic Design	4	0	2	6	70	—	30	50	150	7
130703	Database Management System	3	0	2	5	70	—	30	50	150	7

130704	Computer Organization and Architecture	3	0	0	3	70	—	30	50	150	7
TOTAL		20	2	8	30						

Semester IV

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
140001	Mathematics-4	3	2	0	5	70	—	30	50	150	7
140002	Management-1	2	0	0	2	70	—	30	50	150	7
140701	Microprocessor And Interfacing	3	0	2	5	70	—	30	50	150	7
140702	Operating System	4	0	2	6	70	—	30	50	150	7
140703	Object Oriented Analysis Design And Uml	4	0	2	6	70	—	30	50	150	7
140704	Institute Elective-1(Object Oriented Concepts And Programming)	4	0	2	6	70	—	30	50	150	7
140705	Object Oriented And Programming with C++	4	0	2	6	70	—	30	50	150	7
TOTAL		20	2	8	30						

Semester V

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
150001	Management - II	2	0	0	2	70	—	30	50	150	7
150701	Advance Processors	3	0	2	5	70	—	30	50	150	7
150702	Computer Network	4	0	2	6	70	—	30	50	150	7
150703	Design and Analysis of Algorithms	4	0	2	6	70	—	30	50	150	7
150704	Object Oriented Programming With Java	2	0	2	4	70	—	30	50	150	7
150705	Seminar	0	0	1	1	0	—	0	100	100	7
150706	Visual Basic Application & Programming (Institute Elective - II)	4	0	2	6	70	—	30	50	150	7
TOTAL		19	0	11	30						

Semester VI

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory)	University Exam (Practical)	Continuous Evaluation Process	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
160701	Software Engineering	4	0	2	6	70	—	30	50	150	7
160702	Information Security	4	0	2	6	70	—	30	50	150	7
160703	Computer Graphics	4	0	2	6	70	—	30	50	150	7
160704	Theory Of Computation	3	0	0	3	70	—	30	50	150	7
160705	Web Application Development	3	0	2	5	70	—	30	50	150	7
160706	System Programming	2	0	2	4	70	—	30	50	150	7
TOTAL		20	0	10	30						

Semester VII

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory)	University Exam (Practical)	Continuous Evaluation Process	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
170701	Compiler Design	3	0	2	5	70	30	30	20	150	7
170702	Mobile Computing (Valid from Aug 2011 to May 2012)	3	0	2	5	70	30	30	20	150	7
170702N	Wireless Communication & Mobile Programming (w.e.f June 2012)	3	0	2	5	70	30	30	20	150	7
170703	Advance Java Technology	3	0	2	5	70	30	30	20	150	7
170704	Advance Computing Technology	3	0	2	5	70	30	30	20	150	7
170705	Embedded Technology (Department Elective - I)	4	0	2	6	70	30	30	20	150	7
170706	Computer Signal Processing (Department Elective - I)	4	0	2	6	70	30	30	20	150	7
170707	Advance .Net Technology (Department Elective - I)	4	0	2	6	70	30	30	20	150	7
170708	Web Data Management (Department Elective-1)	4	0	2	6	70	30	30	20	150	7
170001	Project - I	0	0	4	4	0	100	0	50	150	7
TOTAL		16	0	14	30						

Semester VIII

Subject Code	Subject Name	Teaching Scheme(Hours)			Credits	University Exam (Theory) (E)	University Exam (Practical) (E)	Continuous Evaluation Process (M)	Practical (I)	Total Marks	Branch Code
		Theory	Tutorial	Practical							
180701	Distributed Systems	4	0	2	6	70	30	30	20	150	7
180702	Parallel Processing	4	0	2	6	70	30	30	20	150	7
180703	Artificial Intelligence (Department Elective - II)	4	0	2	6	70	30	30	20	150	7
180704	Advance Computer Networks (Department Elective - II)	4	0	2	6	70	30	30	20	150	7
181605	Service Oriented Computing (Department Elective - II)	4	0	2	6	70	30	30	20	150	7
180707	iOS Programming (Department Elective - II)	4	0	2	6	70	30	30	20	150	7
180708	Android Programming (Department Elective - II)	4	0	2	6	70	30	30	20	150	7
180706	Project II	0	0	12	12	0	150	0	50	200	7
	TOTAL	12	0	18	30						

