



# GUJARAT TECHNOLOGICAL UNIVERSITY

(Established by Government of Gujarat under Gujarat Act No.: 20 of 2007)

## ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત સરકારના ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)

Date 22<sup>nd</sup> June 2018

### Draft Teaching scheme of Bachelor of Engineering (w.e.f July 2018)

**Group 1: Aeronautical, Automobile, Biotechnology, Chemical, Civil, Environmental, food Processing and Technology, Industrial, Mechanical, Mechatronics, Metallurgy, Mining, Plastic, Rubber, Textile Technology, Manufacturing, Production, Environment Science & Technology, Chemical Technology, Nano Technology, Civil & Infrastructure Engineering, Robotics & Automation**

SEMESTER I							
Sr no	category	course title	Hours per week			Total Contact Hours	Credits
			lecture	tutorial	practical		
1	Mandatory Course	Induction Program	3 Weeks				0
2	Basic Science Course	Mathematics –I	3	2	0	5	5
3	Basic Science Course	Physics/ Chemistry	3	0	2	5	4
4	Engg Science Course	Basic Electrical Engineering	3	0	2	5	4
5	Engg Science Course	Engineering Graphics & Design	2	0	4	6	4
6	Engg Science Course	Basic Civil Engineering	3	0	2	5	4
						26	21

SEMESTER II							
Sr no	category	course title	Hours per week			Total Contact Hours	Credits
			lecture	tutorial	practical		
1	Basic Science Course	Mathematics –2	3	2	0	5	5
2	Engg Science Course	Programming for Problem Solving	3	0	2	5	4
3	Engg Science Course	Workshop/ Manufacturing Practices	0	0	4	4	2
4	Engg Science Course	Basic Mechanical Engineering	3	0	2	5	4
5	Humanities and Social Sciences including Management courses	English	2	0	2	4	3
6	Mandatory course	Environmental Sciences	2	2	0	4	0
						27	18

Winners of : ICT Enabled University Award E-India - 2009 ❖ Manthan Award - 2009 ❖ GESIA Award - 2011  
❖ Digital Learning WES - 2011 Award ❖ AIMS International Innovative University Award - 2013

**Chandkheda** : Nr. Campus of Vishwakarma Government Engineering College, Sabarmati - Koba Highway, Nr. Visat Three Roads, Chandkheda, Ahmedabad - 382 424. Gujarat, India Ph. : 079 - 232 67 500 Fax : +91 - 79 232 67 580

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**Group 2: Bio Medical , Computer, Electrical & Electronics, Electrical, Electronics, Electronics & Communication, Information Technology, Instrumentation & Control Engineering, Information & Communication Technology, Computer Science and Engineering, Power Electronics**

SEMESTER I							
Sr no	category	course title	Hours per week			Total Contact Hours	Credits
			lecture	tutorial	practical		
1	Mandatory Course	Induction Program	3 Weeks				0
2	Basic Science Course	Mathematics –I	3	2	0	5	5
3	Basic Science Course	Physics/ Chemistry	3	0	2	5	4
4	Engg Science Course	Basic Electrical Engineering	3	0	2	5	4
5	Engg Science Course	Engineering Graphics & Design	2	0	4	6	4
6	Engg Science Course	Basic Mechanical Engineering	3	0	2	5	4
						26	21

SEMESTER II							
Sr no	category	course title	Hours per week			Total Contact Hours	Credits
			lecture	tutorial	practical		
1	Basic Science Course	Mathematics –2	3	2	0	5	5
2	Engg Science Course	Programming for Problem Solving	3	0	2	5	4
3	Engg Science Course	Workshop/ Manufacturing Practices	0	0	4	4	2
4	Engg Science Course	Basic Electronics	3	0	2	5	4
5	Humanities and Social Sciences including Management courses	English	2	0	2	4	3
6	Mandatory course	Environmental Sciences	2	2	0	4	0
						27	18

Note:

1. Mathematics –I and Mathematics –II must be offered in semester I and 2 respectively.
2. Remaining courses can be offered in either of the semesters.
3. Induction program should be conducted during first 3 weeks of the Semester I and then regular subject teaching should start.

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