

**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD**  
**PROGRAMME STRUCTURE FOR DIPLOMA (SEM-I)**

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**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN CIVIL ENGINEERING**

Semester      First

No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I [Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Computer Applications	--	4
8.	Essentials of Environment & Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD**

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN MECHANICAL ENGINEERING**

Semester      First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Computer Applications	--	4
8.	Essentials of Environment & Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN ELECTRICAL ENGINEERING**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Work-shop	--	4
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN PLASTIC ENGINEERING**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Computer Applications	--	4
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD**

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN AUTOMOBILE ENGINEERING**

Semester      First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Computer Applications	--	4
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN METALLURGY ENGINEERING**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Computer Applications	--	4
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD**

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN CHEMICAL ENGINEERING**

Semester

First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I [Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Computer Applications	--	4
7.	Physical, Analytical & Inorganic Chemistry	3	2
8.	Essentials of Environment and Seismic Engineering	3	0
		<b>18</b>	<b>12</b>



**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD**

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN PRINTING TECHNOLOGY**

Semester

First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Computer Applications	--	4
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN FABRICATION TECHNOLOGY**

Semester

First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Computer Applications	--	4
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN ELECTRONICS AND COMMUNICATION ENGINEERING**

Semster      First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Office Automation	--	4
7.	Electronic Materials & Components	3	--
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>10</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN INSTRUMENTATION AND CONTROL ENGINEERING**

Semester      First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Office Automation	--	4
7.	Electronics Materials & Components	3	--
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>10</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN COMPUTER ENGINEERING**

Semester      First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Office Automation	--	4
7.	Electronic Materials & Components	3	--
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>10</b>

**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD**

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN POWER ELECTRONICS ENGINEERING**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Office Automation	--	4
7.	Electronic Materials & Components	3	--
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>10</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN CERAMIC TECHNOLOGY**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Computer Applications	--	4
7.	Ceramic Materials	3	2
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Computer Applications	--	4
7.	Elements of Textile Processing	3	2
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>



**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD**

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN TEXTILE PROCESSING TECHNOLOGY**

Semester                      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Computer Applications	--	4
7.	Elements of Textile Technology	3	2
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN MINING ENGINEERING**

Semester

First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Computer Applications	--	4
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN INFORMATION TECHNOLOGY**

Semester

First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Office Automation	--	4
7.	Electronic Materials & Components	3	--
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>10</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN MECHATRONICS ENGINEERING**

Semester

First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1.	Communication Skills	4	--
2.	Mathematics-I	4	--
3.	Applied Science-I[Physics]	2	--
4.	Engineering Measurements-I	--	2
5.	Engineering Drawing	2	4
6.	Engineering Mechanics	3	2
7.	Fundamentals of Electronic	3	2
8.	Essentials of Environment and Seismic Engineering	3	--
		<b>21</b>	<b>10</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN TRANSPORTATION ENGINEERING**

Semester      First

<b>No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Communication Skills	4	--
2	Mathematics-I	4	--
3	Applied Science-I [Physics]	2	--
4	Engineering Measurements-I	--	2
5	Engineering Drawing	2	4
6	Engineering Mechanics	3	2
7	Computer Applications	--	4
8	Essentials of Environment & Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN ENVIRONMENTAL ENGINEERING**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Communication Skills	4	--
2	Mathematics-I	4	--
3	Applied Science-I[Physics]	2	--
4	Engineering Measurements-I	--	2
5	Engineering Drawing	2	4
6	Engineering Mechanics	3	2
7	Computer Applications	--	4
8	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>12</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN BIOMEDICAL ENGINEERING**

Semester      First

Sr No	Name of course	Teaching Scheme	
		Lect	Pract.
1	Communication Skills	4	--
2	Mathematics-I	4	--
3	Applied Science-I[Physics]	2	--
4	Engineering Measurements-I	--	2
5	Engineering Drawing	2	4
6	Office Automation	--	4
7	Electronic Materials & Components	3	--
8	Essentials of Environment and Seismic Engineering	3	--
		<b>18</b>	<b>10</b>

**DIPLOMA IN ARCHITECTURAL ASSISTANTSHIP**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Communication Skill- I	2	--
2	Building Material- I	4	--
3	Drawing & Painting-I	--	6
4	Building Drawing	--	6
5	Model Making	--	4
6	Architecture Drawing- I	--	8
		<b>6</b>	<b>24</b>



**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN COMPUTER AIDED COSTUME DESIGN AND DRESS  
MAKING**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Clothing Construction- I	1	6
2	Computer Application – I	1	6
3	Art & Design	2	6
4	Textile Science	2	2
5	Personality Development & Communication Skills	2	2
		<b>8</b>	<b>22</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN HOME SCIENCE**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Communication Skill -I	2	2
2	Elementary Clothing & Textiles	4	4
3	Cooking Methods	2	6
4	Elementary Home Management	4	4
5	First Aid & Home Nursing	2	2
		<b>14</b>	<b>18</b>

**DIPLOMA IN COMMERCIAL PRACTICE**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Business Communication I	3	2
2	Principles and Practice of Accounting	4	2
3	Business Organization and Management	4	2
4	Principles of Economics I	4	2
5	Business Mathematics	4	2
6	Computer-I	2	4
		<b>21</b>	<b>14</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN COMMERCIAL ART**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Communication Skill	3	2
2	Advertising and Communication	3	--
3	Sketching and Drawing	1	6
4	Object Drawing	1	6
5	Colour	1	6
6	Arts and Crafts	0	6
		<b>9</b>	<b>26</b>

**GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD**

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN TEXTILE DESIGNING**

Semester      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Communication Skills	3	2
2	Drawing Sketching & Painting-I	2	8
3	Elements of Textile Technology ( 212 of DTPT )	3	2
4	Basic Design & Colour	2	8
		<b>10</b>	<b>20</b>

**PROGRAMME STRUCTURE FOR SEMESTER SYSTEM**

**DIPLOMA IN HOTEL MANAGEMENT AND CATERING TECHNOLOGY**

year      First

<b>Sr No</b>	<b>Name of course</b>	<b>Teaching Scheme</b>	
		<b>Lect</b>	<b>Pract.</b>
1	Food Production- I	2	8
2	Food Beverage Service - I	2	4
3	House Keeping - I	3	2
4	Front Office Operation – I	3	2
5	English And Business Communication – I	3	2
6	Basic Accounting	2	--
7	Computer Application	--	2
8	Hygiene And Nutrition	1	--
9	Industrial Training	--	--
		<b>16</b>	<b>20</b>