



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

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

**Ref:** GTU/ Academics/ Dip Equivalency/ 2013/ 2973

**Date:** 18-04-2013

**Circular of Equivalency for Diploma Engineering**

The students enrolled under old curriculum have to follow the old curriculum only for their entire Diploma Engineering duration with following guidelines:

- 1) For the old courses (subjects) where equivalency is observed as per the equivalency matrix (Comparative Study of old and new courses), the study/ learning of such courses is to be clubbed with the classes/ laboratories run under new curriculum, and students have to give the exam as per new curriculum.
- 2) In the case of courses where no equivalency is observed for the old courses the arrangements of classes/ laboratories is to be done by the institutions to fulfill academic criteria for his/ her study, and students have to give the exam as per curriculum.

The students enrolled under old curriculum will remain valid only for the duration of the respective Diploma Engineering course validity period (as defined by the University) i.e. double that the total duration.

**Sd/-**

**Registrar**

To,

All Concerned Institute Heads.

# Gujarat Technological University

## List of Subjects for the Equivalency

Sr No	Old Subject Code	Name of the old subject	Name of branch in old subject is offered	New Subject code	New Subject Name	Name of branch in new subject is offered	Equivalency
1	310034	Mathematics-I	<b>Sem 1</b> 1. Automobile 2. Biomedical 3. Chemical 4. Civil 5. Computer 6. Electrical 7. Electronics & Communication 8. Environment 9. Information Technology 10. Instrumentation & Control 11. Mechanical 12. Mechatronics 13. Metallurgy 14. Mining 15. Plastic 16. Power Electronics 17. Textile Manufacturing Technology 18. Textile Processing Technology 19. Ceramic 20. Fabrication 21. Printing Technology 22. Transportation	3300001	Basics Mathematics	<b>Sem 1</b> 1. Automobile 2. Biomedical 3. Chemical 4. Civil 5. Computer 6. Electrical 7. Electronics & Communication 8. Environment 9. Information Technology 10. Instrumentation & Control 11. Mechanical 12. Mechatronics 13. Metallurgy 14. Mining 15. Plastic 16. Power Electronics 17. Textile Manufacturing Technology 18. Textile Processing Technology 19. Ceramic 20. Fabrication 21. Printing Technology 22. Transportation	Yes
2	310029	Engineering Drawing	<b>Sem -1</b> 1. Automobile 2. Biomedical 3. Chemical 4. Civil 5. Environment 6. Information Technology 7. Instrumentation & Control 8. Mechanical 9. Mechatronics 10. Metallurgy 11. Mining 12. Plastic 13. Power	3300007	Basic Engineering Drawing	<b>Sem -1</b> 1. Automobile 2. Civil 3. Environment 4. Mechanical 5. Mechatronics 6. Metallurgy 7. Mining 8. Textile Manufacturing Technology 9. Textile Processing Technology 10. Ceramic 11. Printing Technology 12. Transportation	Yes

			Electronics 14. Textile Manufacturing Technology 15. Textile Processing Technology 16. Ceramic 17. Fabrication 18. Printing Technology Transportation  <b>Sem 2</b> 1. Computer 2. Electrical 3. Electronics & Communication 4. Information Technology			<b>Sem 2</b> 1. Chemical 2. Electrical 3. Plastic 4. Fabrication	
3	310030	Engineering Mechanics	<b>Sem 1</b> 1. Automobile 2. Electrical 3. Environment 4. Mechatronics 5. Metallurgy 6. Mining 7. Plastic 8. Fabrication 9. Printing Technology 10. Transportation  <b>Sem 2</b> 1. Civil 2. Mechanical	3300008	Applied Mechanics	<b>Sem I</b> 1. Automobile 2. Metallurgy  <b>Sem 2</b> 1. Civil 2. Environment 3. Fabrication 4. Mechanical 5. Mechatronics 6. Mining 7. Transportation	Yes
4	310031	Essentials of Environment & Seismic Engineering	<b>Sem 1</b> 1. Biomedical 2. Chemical 3. Computer 4. Electrical 5. Electronics & Communication 6. Environment 7. Information Technology 8. Mechatronics 9. Metallurgy 10. Mining 11. Plastic 12. Power Electronics 13. Textile Manufacturing Technology	3300003	Environment Conservation & Hazard Management	<b>Sem 1</b> 1. Biomedical 2. Civil 3. Computer 4. Electrical 5. Environment 6. Information Technology 7. Instrumentation & Control 8. Mechanical 9. Mining 10. Ceramic 11. Fabrication 12. Textile Designing 13. Transportation  <b>Sem 2</b> 1. Automobile	Yes

			14. Textile Processing Technology 15. Ceramic 16. Fabrication 17. Printing Technology 18. Transportation <b>Sem 2</b> 1. Automobile 2. Civil 3. Mechanical 4. Architectural Assistanship			2. Chemical 3. Electronics & Communication 4. Mechatronics 5. Metallurgy 6. Plastic 7. Power Electronics 8. Textile Manufacturing 9. Textile Processing 10. Ceramic 11. Printing	
5	320005	Non Conventional Energy sources	<b>Sem 1</b> 1. Automobile 2. Civil 3. Instrumentation & Control 4. Mechanical  <b>Sem 2</b> 1. Biomedical 2. Chemical 3. Computer 4. Electrical 5. Electronics & Communication 6. Environment 7. Information Technology 8. Mechatronics 9. Metallurgy 10. Mining 11. Plastic 12. Power Electronics 13. Textile Manufacturing Technology 14. Textile Processing Technology 15. Ceramic 16. Fabrication 17. Printing Technology 18. Transportation	3300003	Environment Conservation & Hazard Management	<b>Sem 1</b> 14. Biomedical 15. Civil 16. Computer 17. Electrical 18. Environment 19. Information Technology 20. Instrumentation & Control 21. Mechanical 22. Mining 23. Ceramic 24. Fabrication 25. Textile Designing 26. Transportation  <b>Sem 2</b> 12. Automobile 13. Chemical 14. Electronics & Communication 15. Mechatronics 16. Metallurgy 17. Plastic 18. Power Electronics 19. Textile Manufacturing 20. Textile Processing 21. Ceramic 22. Printing	Yes
6	320007	Elements of Civil Engineering	<b>Sem 1</b> 1. Electrical  <b>Sem 2</b> 1. Automobile 2. Mechanical	3320004	Basic of Civil Engineering	<b>Sem 2</b> 1. Electrical 2. Mechanical 3. Fabrication	Yes

			3. Metallurgy 4. Plastic 5. Fabrication				
7	310006	Building Material-I	<b>Sem 1</b> 1. Architectural Assistanship	3315003	Building Material	<b>Sem 1</b> 1. Architectural Assistanship	Yes
8	310011	Clothing Construction-I	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	3315101	Clothing Construction	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	Yes
9	310047	Computer Application-I	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	3315102	Computer Application	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	Yes
10	310004	Art & Design	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	3315103	Art & Design	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	Yes
11	310039	Textile Science	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	3315104	Textile Science	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	Yes
12	310022	Drawing Sketching & Painting-I	<b>Sem 1</b> 1. Textile Designing	3315901	Drawing Sketching & Painting-I	<b>Sem 1</b> 1. Textile Designing	Yes
13	310028	Elements of Textile Technology	<b>Sem 1</b> 1. Textile Designing	3315902	Fundamental of Textile Technology	<b>Sem 1</b> 1. Textile Designing	Yes
14	310005	Basic Design & Colour	<b>Sem 1</b> 2. Textile Designing	3315903	Basic Design & Colour	<b>Sem 1</b> 3. Textile Designing	Yes
15	320003	Elements of Mechanical Engineering	<b>Sem 1</b> 1. Electrical  <b>Sem 2</b> 1. Civil 2. Environment 3. Mining 4. Plastic 5. Ceramic 6. Printing 7. Transportation	3300015	Fundamental of Mechanical Engineering	<b>Sem 1</b> 1. Electrical 2. Plastic  <b>Sem 2</b> 1. Ceramic 2. Metallurgy 3. Mining 4. Transportation	Yes
16	310036	Physical Analytical & Inorganic Chemistry	<b>Sem 1</b> 1. Chemical	3310501	Physical Analytical & Inorganic Chemistry	<b>Sem 1</b> 1. Chemical	Yes
17	310027	Elements of Textile Technology	<b>Sem 1</b> 1. Textile Processing	3312801	Elements of Textile Technology	<b>Sem 1</b> 1. Textile Processing	Yes

18	310010	Ceramic materials	<b>Sem 1</b> 1. Ceramic	3325201	Ceramic Materials	<b>Sem 1</b> 1. Ceramic	Yes
19	320009	Electrical Circuit	<b>Sem 1</b> 1. Electrical	3320903	D C Circuit	<b>Sem 2</b> Electrical Engineering	Yes
20	320001	Mathematics-II	<b>Sem 2</b> 1. Automobile 2. Biomedical 3. Chemical 4. Civil 5. Computer 6. Electrical 7. Electronics & Communication 8. Environment 9. Information Technology 10. Instrumentation & Control 11. Mechanical 12. Mechatronics 13. Metallurgy 14. Mining 15. Plastic 16. Power Electronics 17. Textile Manufacturing Technology 18. Textile Processing Technology 19. Ceramic 20. Fabrication 21. Printing Technology 22. Transportation	3320002 & 3320003	Advanced Mathematics (Group-1) & Advanced Mathematics (Group-2)	<b>Advanced Mathematics (Group-1) Sem 2</b> 1. Biomedical 2. Chemical 3. Electrical 4. Computer 5. Electronics & Communication 6. Information Technology 7. Power Electronics  <b>Advanced Mathematics (Group-2) Sem2</b> 1. Civil 2. Ceramic 3. Environment 4. Mechanical 5. Mining	Yes
21	320004	Fundamentals of Electrical Engineering	<b>Sem 1</b> 1. Civil 2. Mechanical  <b>Sem 2</b> 1. Automobile 2. Biomedical 3. Computer 4. Electronics & Communication 5. Environment 6. Information Technology 7. Instrumentation & Control	3320901	Basic of Electrical Engineering	<b>Sem 1</b> 1. Electronics & Communication 2. Power Electronics  <b>Sem 2</b> 1. Plastic	Yes

			8. Mechatronics 9. Metallurgy 10. Mining 11. Plastic 12. Power Electronics 13. Ceramic 14. Fabrication 15. Printing Technology 16. Transportation				
22	320002	Applied Science-II [Chemistry]	<b>Sem 1</b> 1. Automobile 2. Biomedical 3. Chemical 4. Civil 5. Computer 6. Electrical 7. Electronics & Communication 8. Environment 9. Information Technology 10. Instrumentation & Control 11. Mechanical 12. Mechatronics 13. Metallurgy 14. Mining 15. Plastic 16. Power Electronics 17. Textile Manufacturing Technology 18. Textile Processing Technology 19. Ceramic 20. Fabrication 21. Printing Technology 22. Transportation	3300006 & 3300011 & 3300009	Engineering Chemistry (group-2) & Basic Chemistry (Group-4) & Applied chemistry (Group-1)	<b>Engineering Chemistry (group-2)</b> <b>Sem 1</b> 1. Biomedical 2. Electrical 3. Power Electronics  <b>Sem 2</b> 1. Metallurgy  <b>Basic Chemistry (Group-4)</b> <b>Sem 1</b> 1. Chemical 2. Printing 3. DTMT 4. DTPT  <b>Applied chemistry (Group-1)</b> <b>Sem2</b> 1. Civil 2. Ceramic 3. Environment 4. Mining 5. Transportation	Yes
23	320006	Civil Engineering Drawing	<b>Sem 2</b> 1. Civil 2. Environment 3. Transportation	3320601	Building Drawing	<b>Sem 2</b> 1. Civil 2. Environment 3. Transportation	Yes
24	320017	Electronic Devices and circuits – I	<b>Sem 2</b> 1. Biomedical 2. Computer 3. Instrumentation & Control 4. Electronics &	3321101 & 3322401	Electronic Circuits & Applications & Basic	<b>Electronic Circuits &amp; Applications</b> <b>Sem 2</b> 1. Electronics & Communication  <b>Basic Electronic Circuits</b>	Yes

			Communication 5. Power Electronics		Electronic Circuits	Sem 2 1. Power Electronics	
25	320008	Mechanical Drafting	Sem 2 1. Mechanical 2. Mechtronics 3. Metallurgy	3321901	Mechanical Drafting	Sem 2 1. Mechanical 2. Mechatronics	Yes
26	320022	Fiber Science	Sem 2 1. Textile Processing	3322801	Fibre Science & technology	Sem 2 1. Textile Processing	Yes
27	320048	Computer Application – II	Sem 2 1. CACDDM	3325102	Advance Computer	Sem 2 1. CACDDM	Yes
28	320049	Fashion Model Drawing	Sem 2 1. CACDDM	3325103	Fashion model Making	Sem 2 1. CACDDM	Yes
29	320051	Hand and Indian Embroidery	Sem 2 1. CACDDM	3325104	Indian Embroidery	Sem 2 1. CACDDM	Yes
30	320052	Clothing Construction- II	Sem 2 1. CACDDM	3325101	Pattern making	Sem 2 1. CACDDM	Yes
31	320014	Text Generation – I	Sem 2 1. Printing	3325801	Text Generation	Sem 2 1. Printing	Yes
32	320027	Textile Process- I	Sem 2 1. Textile Design	3325901	Textile Process- I	Sem 2 1. Textile Design	Yes
33	320028	Textile Craft- I	Sem 2 1. Textile Design	3325902	Textile Craft- I	Sem 2 1. Textile Design	Yes
34	320029	Fabric Design- I	Sem 2 1. Textile Design	3325903	Fabric Design- I	Sem 2 1. Textile Design	Yes
35	320030	Drawing Sketching & Painting-II	Sem 2 1. Textile Design	3325904	Drawing Sketching & Painting-II	Sem 2 1. Textile Design	Yes
36	320032	Traditional Painting Design- I	Sem 2 1. Textile Design	3325905	Traditional Painting Design- I	Sem 2 1. Textile Design	Yes
37	320025	Building Material- II	Sem 2 1. Arch Asst	3325003	Advanced Building Materials	Sem 2 1. Arch Asst	Yes
38	320011	Organic Chemistry	Sem 2 1. Chemical 2. DTPT	3320501	Organic Chemistry	Sem 2 1. Chemical 2. DTPT	Yes



39	320013	Mechanical Operation (CEO-I)	<b>Sem 2</b> 1. Chemical	They offer the equivalent subject in third semester.			Yes
40	320031	History of Textiles Design & Aesthetics -I	<b>Sem 2</b> 1. Textile Designing	They offer the equivalent subject in third semester.			Yes
41	320026	Surveying	<b>Sem 2</b> 1. Arch Asst	They offer the equivalent subject in third semester.			Yes
42	310026	Elements of Textile Processing	<b>Sem 1</b> 1. Textile Manufacturing	They Offer the equivalent subjects in fourth sem.			Yes
43	310035	Personality Development & Communication Skills	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	3300002	English	<b>Sem 1</b> 1. Computer Aided Costume Design & Dress Making	No
44	310015	Communication Skill	<b>Sem 1</b> 1. Automobile 2. Biomedical 3. Chemical 4. Civil 5. Computer 6. Electrical 7. Electronics & Communication 8. Environment 9. Information Technology 10. Instrumentation & Control 11. Mechanical 12. Mechatronics 13. Metallurgy 14. Mining 15. Plastic 16. Power Electronics 17. Textile Manufacturing Technology 18. Textile Processing Technology 19. Architectural Assistanship 20. Ceramic 21. Fabrication 22. Printing Technology 23. Textile Designing 24. Transportation	3300002	English	<b>Sem 1</b> 1. Automobile 2. Biomedical 3. Chemical 4. Civil 5. Computer 6. Electrical 7. Electronics & Communication 8. Environment 9. Information Technology 10. Instrumentation & Control 11. Mechanical 12. Mechatronics 13. Metallurgy 14. Mining 15. Plastic 16. Power Electronics 17. Textile Manufacturing Technology 18. Textile Processing Technology 19. Architectural Assistanship 20. Ceramic 21. Fabrication 22. Printing Technology 23. Textile Designing 24. Transportation 25. CDDM	No

45	320016	Programming in C	<p><b>Sem 1</b></p> <ol style="list-style-type: none"> <li>1. Computer</li> <li>2. Information Technology</li> <li>3. Electronics &amp; Communication</li> </ol> <p><b>Sem 2</b></p> <ol style="list-style-type: none"> <li>1. Biomedical</li> <li>2. Instrumentation &amp; Control</li> <li>3. Power Electronics</li> </ol>	3310701 & 3320702	<ol style="list-style-type: none"> <li>1)Computer Programming</li> <li>2)Advanced Computer Programming</li> </ol>	<p><b>Sem 1</b></p> <ol style="list-style-type: none"> <li>1. Computer</li> <li>2. Information Technology</li> </ol> <p><b>Sem 2</b></p> <ol style="list-style-type: none"> <li>1. Computer</li> <li>2. Information Technology</li> </ol>	<b>No</b>
46	310033	Fundamental of Electronics	<p><b>Sem 1</b></p> <ol style="list-style-type: none"> <li>1. Mechatronics</li> </ol>	3322001	Fundamentals of Electronics Engineering	<p><b>Sem 1</b></p> <ol style="list-style-type: none"> <li>1. Mechatronics</li> </ol>	<b>No</b>
47	310023	Electronic Materials & Components	<p><b>Sem 1</b></p> <ol style="list-style-type: none"> <li>1. Biomedical</li> <li>2. Computer</li> <li>3. Electronics &amp; Communication</li> <li>4. Information Technology</li> <li>5. Instrumentation &amp; Control</li> <li>6. Power Electronics</li> </ol>	3311101	Electronic Components & Practices	<p><b>Sem 1</b></p> <ol style="list-style-type: none"> <li>1. Biomedical</li> <li>2. Electronics &amp; Communication</li> </ol>	<b>No</b>
48	310002	Applied Science-I [Physics]	<p><b>Sem 1</b></p> <ol style="list-style-type: none"> <li>1. Automobile</li> <li>2. Biomedical</li> <li>3. Chemical</li> <li>4. Civil</li> <li>5. Computer</li> <li>6. Electrical</li> <li>7. Electronics &amp; Communication</li> <li>8. Environment</li> <li>9. Information Technology</li> <li>10. Instrumentation &amp; Control</li> <li>11. Mechanical</li> <li>12. Mechatronics</li> <li>13. Metallurgy</li> <li>14. Mining</li> <li>15. Plastic</li> <li>16. Power Electronics</li> <li>17. Textile Manufacturing Technology</li> </ol>	3300004 & 3300005	<p>Engineering Physics(Group-1)</p> <p>&amp;</p> <p>Basic Physics (Group-2)</p>	<p><b>Engineering Physics Group-1</b></p> <p><b>Sem 1</b></p> <p>Automobile Ceramic Civil Environment Fabrication Mechanical Mechatronics Metallurgy Mining Plastic Transportation</p> <p><b>Sem 2</b></p> <ol style="list-style-type: none"> <li>1. Chemical</li> <li>2. Textile Manufacturing</li> <li>3. Textile Processing</li> </ol> <p><b>Basic Physics</b></p>	<b>No</b>