

GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD

PROGRAMME STRUCTURE FOR SEMESTER SYSTEM

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II SEMESTER

DIPLOMA IN CIVIL ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Elements of Mechanical Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Civil Engineering Drawing	2	6

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II SEMESTER DIPLOMA IN MECHINCAL ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Elements of Civil Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Mechanical Drafting	2	6

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II SEMESTER DIPLOMA IN ELECTRICAL ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Computer Application	-	4
04	Elements of Civil Engineering	2	2
05	Elements of Mechanical Engineering	2	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Electrical Circuit	4	4

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II SEMESTER DIPLOMA IN PLASTIC ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Elements of Civil Engineering	2	2
05	Elements of Mechanical Engineering	2	2
06	Engineering Measurements-II	-	2
07	Fundamentals of Electrical Engineering	3	2
08	Non Conventional Energy Sources	3	0

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II SEMESTER DIPLOMA IN AUTOMOBILE ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Elements of Civil Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Theory of Machine & Strength of Materials	4	2

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**II SEMESTER
DIPLOMA IN METALLURGY ENGINEERING**

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Elements of Civil Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Mechanical Drafting	2	6

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II SEMESTER DIPLOMA IN CHEMICAL ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Organic Chemistry	3	2
05	Chemical Engineering Materials	2	-
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Mechanical Operation (CEO-I)	3	4

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II SEMESTER DIPLOMA IN PRINTING TECHNOLOGY

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Elements of Mechanical Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Text Generation – I	2	2

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**II SEMESTER
DIPLOMA IN FABRICATION TECHNOLOGY**

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Elements of Civil Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Mechanical Structure and Piping Drafting	2	4

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II SEMESTER

DIPLOMA IN ELECTRONICS AND COMMUNICATION ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Fundamentals of Electrical Engineering	3	2
04	Programming in C	2	4
05	Electronic Practices	-	4
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Electronic Devices and circuits – I	3	4

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II SEMESTER

DIPLOMA IN INSTRUMENTATION AND CONTROL ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Fundamentals of Electrical Engineering	3	2
04	Programming in C	2	4
05	Electronic Practices	-	4
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Electronic Devices and circuits – I	3	4

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II SEMESTER DIPLOMA IN COMPUTER ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Fundamentals of Electrical Engineering	3	2
04	Programming in C	2	4
05	Electronic Practices	-	4
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Electronic Devices and circuits – I	3	4

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II SEMESTER DIPLOMA IN POWER ELECTRONICS ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Fundamentals of Electrical Engineering	3	2
04	Programming in C	2	4
05	Electronic Practices	-	4
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Electronic Devices and circuits – I	3	4

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II SEMESTER DIPLOMA IN CERAMIC TECHNOLOGY

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work Shop	-	4
04	Elements of Mechanical Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Ceramic Art	1	4

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II SEMESTER

DIPLOMA IN TEXTILE MANUFACTURING TECHNOLOGY

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work Shop	-	4
04	Engineering Measurements-II	-	2
05	Elements of Electrical & Mechanical Engineering for Textile Technology	4	4
06	Non Conventional Energy Sources	3	-
07	S.Q.C. in Textile	3	-
08	Fiber Technology	3	-

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II SEMESTER DIPLOMA IN TEXTILE PROCESSING TECHNOLOGY

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work Shop	-	4
04	Engineering Measurements-II	-	2
05	Elements of Electrical & Mechanical Engineering for Textile Technology	4	4
06	Non Conventional Energy Sources	3	-
07	Organic Chemistry	3	2
08	Fiber Science	4	-

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II SEMESTER DIPLOMA IN MINING ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work Shop	-	4
04	Engineering Measurements-II	-	2
05	Fundamentals of Electrical Engineering	3	2
06	Non Conventional Energy Sources	3	-
07	Elements of Mechanical Engineering	2	2
08	Introduction to Mining and Geology	3	-

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**II SEMESTER
DIPLOMA IN INFORMATION TECHNOLOGY**

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Fundamentals of Electrical Engineering	3	2
04	Programming in C	2	4
05	Electronic Practices	-	4
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-

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II SEMESTER DIPLOMA IN MECHATRONICS ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Fundamentals of Electrical Engineering	3	2
04	Mechatronics Work Shop	-	4
05	Mechanical Drafting	2	6
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-

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II SEMESTER DIPLOMA IN TRANSPORTATION ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work Shop	-	4
04	Elements of Mechanical Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements- II	-	2
07	Non Conventional Energy Sources	3	-
08	Civil Engineering Drawing	2	6

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II SEMESTER DIPLOMA IN ENVIRONMENTAL ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Work-shop	-	4
04	Elements of Mechanical Engineering	2	2
05	Fundamentals of Electrical Engineering	3	2
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Civil Engineering Drawing	2	6

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II SEMESTER DIPLOMA BIO MEDICAL ENGINEERING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Mathematics-II	3	-
02	Applied Science-II [Chemistry]	2	-
03	Fundamentals of Electrical Engineering	3	2
04	Programming in C	2	4
05	Electronic Practices	-	4
06	Engineering Measurements-II	-	2
07	Non Conventional Energy Sources	3	-
08	Electronic Devices and circuits – I	3	4

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II SEMESTER DIPLOMA IN ARCHITECTURAL ASSISTANSHIP

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Communication Skill- II	2	-
02	Building Material-II	3	-
03	Drawing & Painting- II	-	4
04	Architecture Drawing-II	-	8
05	Surveying	3	4
06	Architecture Design –I	-	6
07	Essential of Environment & Seismic Engineering	3	-

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**II SEMESTER
DIPLOMA IN TEXTILE DESIGNING**

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Textile Process- I	3	2
02	Textile Craft- I	1	3
03	Fabric Design- I	3	2
04	Drawing Sketching & Painting-II	2	6
05	History of Textiles Design & Aesthetics -I	2	-
06	Traditional Painting Design- I	2	4

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**II SEMESTER
DIPLOMA IN HOME SCIENCE**

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Communication Skill- II	2	2
02	Children's Clothing	2	6
03	Elementary Nutrition	4	4
04	Space Designing	2	2
05	Computer Basic (As Comm.Art)	2	4

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**II SEMESTER
DIPLOMA IN COMMERCIAL ART**

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Composition	1	6
02	Typography	1	6
03	Computer Basic	2	4
04	Art Work	1	6
05	Reproduction Method	2	4

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**II SEMESTER
DIPLOMA IN COMMERCIAL PRACTICE**

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Business Communication - II	3	2
02	Financial Accounting-I	4	2
03	Principles and Practice of Management	4	2
04	Principles of Economics- II	4	2
05	Business Statistics	4	2
06	Computer- II	2	4

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II SEMESTER

DIPLOMA IN COMPUTER AIDED COSTUME DESIGN AND DRESS MAKING

Sr. No.	Name of Course	Teaching Scheme	
		Lecture	Practical
01	Computer Application-II	1	4
02	Fashion Model Drawing	2	4
03	The Technology of Clothing Manufacturing – I	2	4
04	Hand and Indian Embroidery	1	4
05	Clothing Construction- II	2	6

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II SEMESTER DIPLOMA IN CIVIL ENGINEERING [DLM]

Sr. No.	Name of Course	Teaching Scheme	
		Lecture / Tutorial	Practical
01	Mathematics-II	1	-
02	Applied Science-II [Chemistry]	1	-
03	Work-shop	-	30
04	Elements of Mechanical Engineering	1	16
05	Fundamentals of Electrical Engineering	1	16
06	Civil Engineering Drawing	3	48

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II SEMESTER

DIPLOMA IN MECHINCAL ENGINEERING [DLM]

Sr. No.	Name of Course	Teaching Scheme	
		Lecture / Tutorial	Practical
01	Mathematics-II	1	-
02	Applied Science-II [Chemistry]	1	-
03	Elements of Civil Engineering	1	16
04	Fundamentals of Electrical Engineering	1	16
05	Mechanical Drafting	3	60

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II SEMESTER DIPLOMA IN ELECTRICAL ENGINEERING [DLM]

Sr. No.	Name of Course	Teaching Scheme	
		Lecture / Tutorial	Practical
01	Mathematics-II	1	-
02	Applied Science-II [Chemistry]	1	-
03	Computer Application	-	40
04	Elements of Civil Engineering	1	16
05	Elements of Mechanical Engineering	1	16
06	Electrical Circuit	3	28