



# GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Diploma of Vocation (D.Voc), 5<sup>th</sup> Semester

Branch: Architecture Assistantship

Subject Name:- Interior Services

Subject Code: 1250607

Type of course: Core

## Focus:

To understand electrical and mechanical services used in buildings. To acquaint students with site survey and factor influencing site design.

## Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
			ESE (E)	PA (M)	ESE (V)	PA (I)		
0	0	15	15	0	0	100	100	200

L- Lectures; T- Tutorial/Teacher Guided Student Activity; P- Practical; C- Credit; ESE- End Semester Examination; PA- Progressive Assessment

## Content:

Sr No.	Contents:	HR.	Module % Weightage
1	<ul style="list-style-type: none"><li>Market survey and site visit - Electrical</li><li>Data collection of different types of wires, cables, electric switches, electric fixtures to be done.</li></ul>	4	15
2	<ul style="list-style-type: none"><li>Understanding the application of Electrical services with respect to site.</li></ul>	3	10
3	<ul style="list-style-type: none"><li>Site visit of a residential unit to be done to understand its use and location.</li><li>Electrical Layout of a Residential Unit</li></ul>	5	25
4	<ul style="list-style-type: none"><li>Market survey and site visit – Mechanical</li><li>Types of Air-conditioning – split ac, HVAC</li></ul>	4	15
5	<ul style="list-style-type: none"><li>Understanding type of air conditioning with respect to the site and space conditions.</li></ul>	3	10
6	<ul style="list-style-type: none"><li>Site visit to understand use of different type of air conditioning and its maintenance. Preparation of site layouts for campus designs, incorporating infrastructure, road layouts, and site topography.</li></ul>	5	25
<b>Total</b>		<b>24</b>	<b>100</b>

## Course Outcomes:

Sr No	CO Statement	Marks % weightage
1	To understand the market trends and availability of electrical parts.	20
2	To Understand the amalgamation of design criteria and technical aspects in executing the electrical layout of a small unit.	30
3	To develop understanding of Mechanical services and the parts to be considered in design.	20
4	To understand the amalgamation of design criteria and technical aspects in executing the mechanical services - AC ducting layout of a unit.	30