



# GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Diploma of Vocation (D.Voc), 4<sup>th</sup> Semester

Branch: Architecture Assistantship

Subject Name: Building Services-I: Water Supply and Waste Disposal

Subject Code: 1240607

Type of course: OJT Elective

## 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:

### Contents:

Understanding building services like water supply and waste disposal in building design

1. Water supply - Market survey and site visit
  - 1) Market survey to be done to study Water Supply system
  - 2) Types of pipes and its system, sanitary wares, sanitary fixtures, floor and wall finishes (tiles, stones, paints etc)
  - 3) Small residential unit to be selected (ongoing site or executed) to study toilets, kitchen and water tanks and prepare drawings or report of same.
2. Waste Disposal system - Market survey and site visit
  - 1) Market survey of types of traps, sanitary pipes, drains etc
  - 2) Small residential unit to be selected (ongoing site or executed) to study toilets, kitchen and its disposal methods. Drawings or report of same to be prepared.

**Course Outcome:** Application of Services (water supply and Waste disposal) in the building design.

Understanding the amalgamation of design criteria and technical aspects in executing the toilet, kitchen etc