



GUJARAT TECHNOLOGICAL UNIVERSITY

Diploma of Vocation (D.Voc) 3rd Semester

Branch: Architectural Assistantship

Subject Name: Design Studio-III (Material)

Subject Code: 1230605

Teaching and Examination Scheme:

| Teaching Scheme | | | Credits | Examination Marks | | | | Total Marks |
|-----------------|---|-----|---------|-------------------|---------|----------------------|----|-------------|
| L | P | OJT | | Theory | | Tutorial / Practical | | |
| | | | ESE (E) | PA(M) | ESE (V) | PA (I) | | |
| - | 2 | - | 2 | - | - | 30 | 20 | 50 |

L-Lecture; P-Practical; OJT – On Job Training; C – Credit; ESE – End Semester Examination; PA – Progressive Assessment

SEMESTER III

Focus:

Evolving design by focusing on the basic building materials and developing the design accordingly. Keeping material and structure as determinants of architectural form based on the context, with all explorations of the material – in terms of construction and details.

| SR NO | Contents: | H R |
|-------|--|-----------|
| 1 | Materials – properties, character | 5 |
| 2 | Basic structural system in various materials (timber, mud, brick, fabric etc.) Structure as a form giver for various materials. | 5 |
| 3 | Student to get involved with project formulation including diverse sites having different site conditions | 6 |
| 4 | Selection of material to be explored and studying its construction techniques from literature review and relevant case study of the architectural projects done by architects and engineers. | 12 |
| | Total | 28 |

Projects:

Design of a dwelling unit using the selected material along with the analysis of the form. Project should have specific context accompanied with relevant case studies, area volume diagrams and literature review.

Course Outcome:

Develop the skill to represent contextual drawings with scale, proportion and material understanding.

Method:

Design submission and discussion in the class along with the reviews and making alternative solutions.