

**GUJARAT TECHNOLOGICAL UNIVERSITY**  
**B. E. SEMESTER: V**  
**TEXTILE TECHNOLOGY**

Subject Name: **Fabric Structure – I**

Subject Code: **152903**

| <b>Teaching Scheme</b> |                 |                  |              | <b>Evaluation Scheme</b>                    |  |                          |
|------------------------|-----------------|------------------|--------------|---|--|--------------------------|
| <b>Theory</b>          | <b>Tutorial</b> | <b>Practical</b> | <b>Total</b> | <b>University Exam<br/>(Theory)<br/>(E)</b> | <b>Mid Sem Exam<br/>(Theory)<br/>(M)</b> | <b>Practical<br/>(I)</b> |
| 4                      | 0               | 2                | 6            | 70  | 30                                       | 50                       |

| <b>Sr. No.</b> | <b>Course content</b>  |
|----------------|--|
| 1.             | Fabric classification & weave notation, Plain weave, Its derivatives & ornamentation, Twill weave & its derivatives, Satin & Sateen weaves, Fancy weaves such as Mock leno, Hucka back, Honeycomb, Crepe, Diamond weaves, Bedford cord, Pique & Cork screw weaves, Loom particulars of common fabrics & of samples analysed. |

**Practical:**

Based as per the syllabus prescribed.

**Term Work:**

This shall consist of point paper designs and cloth analysis work recorded in the journal

**Reference Books:**

1. Watson Textile Design and colour, Z. GROSICKI.
2. Elementary weaves and figured fabrics, Z. GROSICKI.
3. Grammer of Textile Design, Nisbet.