

**Jawaharlal Nehru Government Engineering College Sundernagar**  
**Department of Textile Engineering**

Subject Name: Textile Design & Analysis

Subject Code: TE-602

Semester: 6<sup>th</sup> Semester

Teacher's Name: Ankush Sharma

| Section | Topics/syllabus                                                                                                                                                                                                               | Online Links                                                                                                                                                                                                    |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A       | Colour Theory: Light and pigment Theory, Tint, Hue and Shade.                                                                                                                                                                 | <a href="https://docs.google.com/document/d/19UC4Nz0PFIQE8_Fh-RLyPL3QoUR3lM1Ncnw_99y_Poo/edit?usp=sharing">https://docs.google.com/document/d/19UC4Nz0PFIQE8_Fh-RLyPL3QoUR3lM1Ncnw_99y_Poo/edit?usp=sharing</a> |
| A       | Basic Weaves: Method of construction, features and uses of plain weave and its derivatives, twill weave and its derivatives, Satin and sateen weaves and their derivatives.                                                   | <a href="https://drive.google.com/file/d/1c7rY9eYT8U063PI9kirA7hIDicmvWxoG/view?usp=sharing">https://drive.google.com/file/d/1c7rY9eYT8U063PI9kirA7hIDicmvWxoG/view?usp=sharing</a>                             |
| A       | Introduction: Concept of fabric designing through fabric structure and textile printing. Importance of fabric structure and analysis, detection of directions of warp and weft, method of fabric presentation, weaving plans. | <a href="https://drive.google.com/file/d/1PesmiUVQP3mmBuDcHYzCi5DKg7wp5Dk2/view?usp=sharing">https://drive.google.com/file/d/1PesmiUVQP3mmBuDcHYzCi5DKg7wp5Dk2/view?usp=sharing</a>                             |
| A       | Absorbent Fabrics: Method of preparation, features and uses of Diamond and Diaper Weaves, Honeycomb weaves, Huck-a-back and Mock leno weaves.                                                                                 | <a href="https://drive.google.com/file/d/1W1TP4lVMgju4VhENU9J2wWla6iXV2m7v/view?usp=sharing">https://drive.google.com/file/d/1W1TP4lVMgju4VhENU9J2wWla6iXV2m7v/view?usp=sharing</a>                             |

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| B | Crepe Weave: Special feature, construction of the weave, method of preparation of its derivatives and uses.                                                                                                                                                  | <a href="https://drive.google.com/file/d/1UuODh74vjqMiJDskZVHSuQ3-CdyPxqEU/view?usp=sharing">https://drive.google.com/file/d/1UuODh74vjqMiJDskZVHSuQ3-CdyPxqEU/view?usp=sharing</a>   |
| B | Bedford Cord weaves: Method of construction, features, cross-sectional view, derivatives and uses.                                                                                                                                                           | <a href="https://drive.google.com/file/d/1439tC2SxNoHLkyupMnwD1VIH6e-TpzYN/view?usp=sharing">https://drive.google.com/file/d/1439tC2SxNoHLkyupMnwD1VIH6e-TpzYN/view?usp=sharing</a>   |
| B | Welts and piques: Special features, construction of weave, mechanism of indentation formation                                                                                                                                                                | <a href="https://drive.google.com/file/d/1femVAgTAIQgI-iTGFxF_YIFpOP4SuJrw/view?usp=sharing">https://drive.google.com/file/d/1femVAgTAIQgI-iTGFxF_YIFpOP4SuJrw/view?usp=sharing</a>   |
| C | Colour and Weave Effect: Weave and colour combinations, features, method of preparation of Continuous line effect, Hounds tooth, Birds eye, Crows foot, Hair lines and Step pattern.                                                                         | <a href="https://drive.google.com/file/d/1Y-Dp1WepInq7Zdl4glwSXTemwM7D0OuC/view?usp=sharing">https://drive.google.com/file/d/1Y-Dp1WepInq7Zdl4glwSXTemwM7D0OuC/view?usp=sharing</a>   |
| C | Terry Weaves: Definition, classification, process of formation of pile, graphical representation of terry weave.                                                                                                                                             | <a href="https://drive.google.com/file/d/1CEALkH0hM7gZ4JhdNfVawwfOH6Fr0U3u/view?usp=sharing">https://drive.google.com/file/d/1CEALkH0hM7gZ4JhdNfVawwfOH6Fr0U3u/view?usp=sharing</a>   |
| C | Backed fabrics: Definition, features, classification and usage, warp backed, and weft backed cloth, reversible backed fabric, wadded backed fabric, special features, construction, methods of insertion of stitch marks, different types of Backed fabrics. | <a href="https://drive.google.com/file/d/132SM1ratAAWyyv7U0e0jB_toiMCXrzO5T/view?usp=sharing">https://drive.google.com/file/d/132SM1ratAAWyyv7U0e0jB_toiMCXrzO5T/view?usp=sharing</a> |

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| D           | Double Cloth: Definition, features, classification and uses. Method of preparation of self-stitched and center stitched double cloths, salient features and uses. Wadded double cloth. | <a href="https://docs.google.com/document/d/1bydYiJ_nzW3bQD4G3jtT8ulcPJk8BUCVULjYUUNcnQw/edit?usp=sharing">https://docs.google.com/document/d/1bydYiJ_nzW3bQD4G3jtT8ulcPJk8BUCVULjYUUNcnQw/edit?usp=sharing</a>                                                                                                                                                                |
| D           | Gauze and leno weaves: special features, mechanism of change in path of warp, methods to produce Gauze weaves, doup and characteristics                                                | <a href="https://drive.google.com/file/d/1619H49SwS2DwkucV88HKG5DwBQnlTorn/view?usp=sharing">https://drive.google.com/file/d/1619H49SwS2DwkucV88HKG5DwBQnlTorn/view?usp=sharing</a>                                                                                                                                                                                            |
| A,B,C<br>&D | Books                                                                                                                                                                                  | <a href="https://drive.google.com/file/d/1798A9a2LAsu6_J8eeKF3If53RKYPGg9A/view?usp=sharing">https://drive.google.com/file/d/1798A9a2LAsu6_J8eeKF3If53RKYPGg9A/view?usp=sharing</a><br><br><a href="https://drive.google.com/file/d/1gExaL2NvmyzkAnz2U02gF4Xrbw307hce/view?usp=sharing">https://drive.google.com/file/d/1gExaL2NvmyzkAnz2U02gF4Xrbw307hce/view?usp=sharing</a> |