

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELGAUM**  
**CHOICE BASED CREDIT SYSTEM (CBCS)**  
**SCHEME OF TEACHING AND EXAMINATION 2015-2016**

**B.Tech. (Textile Technology)**  
**[Common to B.Tech (Textile/Silk Technology)]**

**V SEMESTER**

| Sl. No       | Subject Code | Title   | Teaching Hours / Week |           | Examination |                         |            | Credits    |             |
|--------------|--------------|---|-----------------------|-----------|-------------|-------------------------|------------|------------|-------------|
|              |              |   | Theory                | Practical | Duration    | Theory/ Practical Marks | I.A. Marks |            | Total Marks |
| 1            | 15TX51       | Management and Entrepreneurship in Textile Industry | 04                    | --        | 03          | 80                      | 20         | 100        | 4           |
| 2            | 15TX52       | Spinning Technology-III                             | 04                    | --        | 03          | 80                      | 20         | 100        | 4           |
| 3            | 15TX53       | Fabric Manufacturing Technology-III                 | 04                    | --        | 03          | 80                      | 20         | 100        | 4           |
| 4            | 15TX54       | Chemical Processing of Textiles-III                 | 04                    | --        | 03          | 80                      | 20         | 100        | 4           |
| 5            | 15TX55X      | <b>Professional Elective</b>                        | 04                    | --        | 03          | 80                      | 20         | 100        | 4           |
| 6            | 15TXL56      | Spinning Technology Lab-III                         |                       | 1I+2P     | 03          | 80                      | 20         | 100        | 2           |
| 7            | 15TXL57      | Fabric Manufacturing Technology Lab-III             |                       | 1I+2P     | 03          | 80                      | 20         | 100        | 2           |
| 8            | 15TXL58      | Chemical Processing of Textiles Lab-III             |                       | 1I+2P     | 03          | 80                      | 20         | 100        | 2           |
| <b>TOTAL</b> |              |   | <b>20</b>             | <b>06</b> | <b>24</b>   | <b>640</b>              | <b>160</b> | <b>800</b> | <b>26</b>   |

| <b>Professional Elective</b> |   |
|------------------------------|---|
| 15TX551                      | Knitting Technology                           |
| 15TX552                      | Textile Mechanics and Calculations            |
| 15TX553                      | Erection and Maintenance of Textile Machinery |
| 15TX554                      | Nano Textiles                                 |

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**VI SEMESTER**

| Sl. No       | Subject Code | Title                                      | Teaching Hours /Week |           | Examination |                         |            | Credits    |             |
|--------------|--------------|--|----------------------|-----------|-------------|-------------------------|------------|------------|-------------|
|              |              |  | Theory               | Practical | Duration    | Theory/ Practical Marks | I.A. Marks |            | Total Marks |
| 1            | 15TX61       | Sericulture and Silk Technology            | 04                   | --        | 03          | 80                      | 20         | 100        | 4           |
| 2            | 15TX62       | Textile Testing - I                        | 04                   | --        | 03          | 80                      | 20         | 100        | 4           |
| 3            | 15TX63       | Fashion Design and Garment Manufacture     | 04                   | --        | 03          | 80                      | 20         | 100        | 4           |
| 4            | 15TX64       | Fabric Structure and Design - I            | 04                   | --        | 03          | 80                      | 20         | 100        | 4           |
| 5            | 15TX65X      | <b>Professional Elective</b>               | 04                   | --        | 03          | 80                      | 20         | 100        | 4           |
| 6            | 15TXL66      | Textile Testing Lab - I                    | --                   | 1I+2P     | 03          | 80                      | 20         | 100        | 2           |
| 7            | 15TXL67      | Fashion Design and Garment Manufacture Lab | --                   | 1I+2P     | 03          | 80                      | 20         | 100        | 2           |
| 8            | 15TXL68      | Fabric Structure and Design Lab - I        | --                   | 1I+2P     | 03          | 80                      | 20         | 100        | 2           |
| <b>TOTAL</b> |              |  | <b>20</b>            | <b>6</b>  | <b>24</b>   | <b>640</b>              | <b>160</b> | <b>800</b> | <b>26</b>   |

| <b>Professional Elective</b> |  |
|------------------------------|--|
| 15TX651                      | Operations Research Techniques               |
| 15TX652                      | Environmental Management in Textile Industry |
| 15TX653                      | Non-woven Technology                         |
| 15TX654                      | Process Control in Weaving                   |

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**VII SEMESTER**

| Sl. No       | Subject Code | Title                                | Teaching Hours /Week |           | Examination |            |                         | Credits    |             |
|--------------|--------------|--------------------------------------|----------------------|-----------|-------------|------------|-------------------------|------------|-------------|
|              |              |                                      | Theory               | Practical | Duration    | I.A. Marks | Theory/ Practical Marks |            | Total Marks |
| 1            | 15TX71       | Apparel Marketing and Merchandising  | 04                   |           | 03          | 20         | 80                      | 100        | 4           |
| 2            | 15TX72       | Textile Testing - II                 | 04                   |           | 03          | 20         | 80                      | 100        | 4           |
| 3            | 15TX73       | Fabric Structure and Design - II     | 04                   |           | 03          | 20         | 80                      | 100        | 4           |
| 4            | 15TX74X      | <b>Professional Elective - I</b>     | 03                   |           | 03          | 20         | 80                      | 100        | 3           |
| 5            | 15TX75X      | <b>Professional Elective - II</b>    | 03                   |           | 03          | 20         | 80                      | 100        | 3           |
| 6            | 15TXL76      | Textile Testing Lab - II             |                      | 1I+2P     | 03          | 20         | 80                      | 100        | 2           |
| 7            | 15TXL77      | Fabric Structure and Design Lab - II |                      | 1I+2P     | 03          | 20         | 80                      | 100        | 2           |
| 8            | 15TXP78      | Project Phase - I - Seminar          |                      | 03        |             | 100        | -                       | 100        | 2           |
| <b>TOTAL</b> |              |                                      | <b>18</b>            | <b>6</b>  | <b>21</b>   | <b>240</b> | <b>560</b>              | <b>800</b> | <b>24</b>   |

| <b>Professional Elective-I</b> |                                      | <b>Professional Elective-II</b> |  |
|--------------------------------|--------------------------------------|---------------------------------|--|
| 15TX741                        | Statistical Applications to Textiles | 15TX751                         | Total Quality Management                   |
| 15TX742                        | Financial Management                 | 15TX752                         | Retail Management                          |
| 15TX743                        | CAD/CAM in Textiles                  | 15TX753                         | Industrial Engineering                     |
| 15TX744                        | Smart Textiles                       | 15TX754                         | Elementary Mechanics of Textile Structures |

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2. **Professional Elective:** Elective relevant to chosen specialization/ branch
3. **Project Phase –I - Seminar:** Literature Survey, Problem Identification, objectives and Methodology. Submission of synopsis and seminar.

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**VIII SEMESTER**

| Sl. No       | Subject Code | Title                                     | Teaching Hours /Week |           | Examination |            |                         | Credit     |             |
|--------------|--------------|---|----------------------|-----------|-------------|------------|-------------------------|------------|-------------|
|              |              |   | Theory               | Practical | Duration    | I.A. Marks | Theory/ Practical Marks |            | Total Marks |
| 1            | 15TX81       | Apparel Testing and Quality Control       | 4                    | -         | 3           | 20         | 80                      | 100        | 4           |
| 2            | 15TX82       | Technical Textiles                        | 4                    | -         | 3           | 20         | 80                      | 100        | 4           |
| 3            | 15TX83X      | <b>Professional Elective</b>              | 3                    | -         | 3           | 20         | 80                      | 100        | 3           |
| 4            | 15TX84       | <b>Internship / Professional Practice</b> | Industry Oriented    |           | 3           | 50         | 50                      | 100        | 2           |
| 5            | 15TXP85      | Project Work Phase -II                    | -                    | 6         | 3           | 100        | 100                     | 200        | 6           |
| 6            | 15TXS86      | Seminar                                   | -                    | 4         | -           | 100        | -                       | 100        | 1           |
| <b>TOTAL</b> |              |   | <b>11</b>            | <b>10</b> | <b>15</b>   | <b>310</b> | <b>390</b>              | <b>700</b> | <b>20</b>   |

| <b>Professional Elective</b> |                                    |
|------------------------------|------------------------------------|
| 15TX831                      | Fibre Reinforced Composites        |
| 15TX832                      | Human Resource Management          |
| 15TX833                      | Clothing Culture and Communication |
| 15TX834                      | Global Trade Practices             |

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- 2. Professional Elective:** Elective relevant to chosen specialization/ branch
- 3. Internship / Professional Practice:** To be carried between the 6<sup>th</sup> and 7<sup>th</sup> semester vacation or 7<sup>th</sup> and 8<sup>th</sup> semester vacation period.
- . Seminar :** Seminar topics should be selected from emerging and modern trends in textile technology.

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