**BHARATHIAR UNIVERSITY: COIMBATORE 641046**

**B.Sc. Apparel Production Technology (CBCS PATTERN)**

(*For the students admitted from the academic year* ***2021-2022*** *and onwards*)

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Course Code** | **Title of the Course** | **Hours/ Week** | **Examination** | | | | **Credits** |
| **Duration in Hours** | **Maximum Marks** | | |
| **CIA** | **ESE** | **Total** |
|  | **Semester I** | | | | | | |
| I | Language I | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English I | 6 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper I - Basic Textiles | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper II - Apparel  Manufacturing Technology | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper III - Practical I - Yarn  & Fabric Analysis Practical | 4 | 3 | 25 | 25 | 50 | 2 |
| III | Allied Paper I - Fabric  Manufacturing Technology | 4 | 3 | 50 | 50 | 100 | 4 |
| IV | Environmental Studies | 2 | 3 | - | 50 | 50 | 2 |
| **Total** | | **30** | **-** | **275** | **325** | **600** | **24** |
|  | **Semester II** | | | | | | |
| I | Language II | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English II | 6 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper IV – Garment  Machines & Equipments | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper V - Practical II - Pattern  Making Practical | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper VI - Practical III -  Garment Construction I – Practical | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Allied Paper II - Textile  Chemical Processing | 4 | 3 | 50 | 50 | 100 | 4 |
| IV | Value Education – Human Rights | 2 | 3 | - | 50 | 50 | 2 |
| **Total** | | **30** | **-** | **260** | **340** | **600** | **24** |
|  | **Semester III** | | | | | | |
| III | Core Paper VII – Industrial  Engineering - I | 5 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper VIII - Practical IV -  Garment Construction II - Practical | 5 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper IX - Practical V- Basics  of Computer Application - Practical | 5 | 3 | 25 | 25 | 50 | 2 |
| III | Core Paper X –– Internship - I  (Operator Training Practical) | 5 | 3 | 50 | 50 | 100 | 4 |
| III | Allied Paper III - Apparel Quality  Control & Quality Assurance | 5 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject I – Garment  Accessories & Trims | 3 | 3 | 30 | 45 | 75 | 3 |
| IV | Basic Tamil\*\* / Advanced Tamil (OR) Non-major elective - I (Yoga  for Human Excellence) / Women’s Rights\* | 2 | 3 | - | 50 | 50 | 2 |
| **Total** | | **30** | **-** | **255** | **320** | **575** | **23** |

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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Semester IV** | | | | | | |
| III | Core Paper XI -Industrial Engineering - II | 5 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper XII – Operational Costing | 5 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper XIII - Practical VI -  Plant Layout Practical | 5 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper XIV - Mini Project  Industrial Engineering # | 3 | 3 | 50 | 50 | 100\* | 3 |
| III | Allied Paper IV -  Human Resource Management | 5 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject II - Production Planning, Control and Inventory  Management | 3 | 3 | 30 | 45 | 75 | 2 |
| IV | Basic Tamil\*\*/Advanced Tamil  (OR) Non-major elective -II (General Awareness) | 2 | 3 | - | 50 | 50 | 2 |
|  | **Naan Mudhalvan Skill Course :Office Fundamentals** | **2** | **-** | **-** | **-** | **-** | **2** |
| **Total** | | **30** | **-** | **260** | **340** | **600** | **24** |
|  | **Semester V** | | | | | | |
| III | Core Paper XV –  Industrial Engineering - III | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper XVI – QMS in Apparel  Production | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper XVII -  Practical VII - Operational Costing Practical | 5 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper XVIII – Practical IX -  Problem Solving – Practical | 5 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper XIX –– Practical VIII - Performance Management System  – Practical | 5 | 3 | 30 | 45 | 75 | 3 |
| III | Elective Paper I | 4 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject III –  Behavioral Intervention Skills | 3 | 3 | 30 | 45 | 75 | 3 |
|  | Naan Mudhalvan Skill Course - Marketing and Design Tool | - | - | 25 | 75 | 100 | 2 |
| **Grand Total** | | **30** | **-** | **295** | **405** | **700** | **26** |

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|  | **Semester VI** | | | | | | |
| III | Core Paper XX – Production Management - Project Work &  Viva Voce # | 19 | 3 | 100 | 100 | 200\* | 8 |
| III | Elective Paper II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Elective Paper III | 4 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject IV – Lean six  sigma | 3 | 3 | 30 | 45 | 75 | 3 |
| **V** | Extension Activities \*\* | - | - | 50 | - | 50 | 2 |
|  | **Naan Mudhalvan Skill Course : Naandi / Unmati/ Quest / Izapy / IBM Skill Build** | **-** | **-** | **-** | **-** | **-** | **-** |
|  | **Total** | **30** | **-** | **280** | **245** | **525** | **21** |
|  | **Grand Total** | **180** | **-** | **-** | **-** | **3600** | **142** |

**CIA** – Continuous Internal Assessment

**CEE** – Comprehensive External Examination

\* No Continuous Internal Assessment (CIA). Only University Examinations.

\*\* No University Examinations. Only Continuous Internal Assessment (CIA).

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| List of Elective papers (Colleges can choose any one of the papers as electives) | | |
| Elective – I | A | Technology advancements in apparel production |
| B | ERP in Apparel Industry |
| C | TQM in Apparel Industry |
| Elective – II | A | Entrepreneurship |
| B | Leadership & Emotional Intelligence |
| C | Interpersonal Skills |
| Elective - III | A | Training & Development |
| B | Factory Compliance |
| C | Value Stream Mapping |