**B.Sc.Garment Designing**

**And Production**

Syllabus

**Program Code:26N**

AFFILIATED COLLEGES

**2021– 2022 onwards**

**BHARATHIAR UNIVERSITY**

**(AStateUniversity,Accreditedwith“A”GradebyNAAC,Ranked 13thamongIndianUniversitiesby MHRD-NIRF,**

**WorldRanking:Times-801-1000,Shanghai-901-1000,URAP-982)**

**Coimbatore-641046,TamilNadu, India**



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| **ProgramEducationalObjectives(PEOs)** |
| The**B.Sc.GarmentDesigning&Production**programdescribeaccomplishments thatgraduatesareexpectedto attainwithinfivetosevenyearsaftergraduation |
| PEO1 | **Garment Designing Ethos:** To bring the conceptual and methodologicalapproachesof GarmentDesigning tobear onthechallengesthey take on,abstractingdesignelements,recognizingsourcesofuncertainty,andapplyingappropriatemodels,techniquesandevaluationstodeveloptheirproducts. |
| PEO2 | **ApplicationofProductionSkill:**ToprovidethestudentswithasolidfoundationinProduction,PlanningandIndustrialEngineeringprinciplerequiredtodevelopproblem solvingabilityandgiveeffectivesolution tothegarmentindustry. |
| PEO3 | **Diversification:**Topromoteamongstudentgraduatestheabilitytogainmultidisciplinaryknowledgethroughprojectsandindustrialtraining,leadingtoasustainablecompetitiveedgeinR&Dandmeetingsocietalneeds. |
| PEO4 | **Projects:**Toimplantgroupworkandteammanagementskillswithclearcoordination,promoteknowledgetransfer anddeliveravariedcomplexprojects. |
| PEO5 | **Teamwork:**Topreparethegraduatesforasuccessfulcareerwitheffectivecommunicationskills,teamworkskillsandworkwithvaluesthatmeetthediversifiedneeds ofindustry, academiaand research. |
| PEO6 | **SelfLearning:** Todevelopself-learningabilityofgraduatebyinculcatingtheattitudeaboutcontinuouslearn,innovateandcontributetocreationofnewideasforthe benefitof the societyatlarge. |
| PEO7 | **Entrepreneurs:** Toencouragethegraduate’squalitiesofleadershipfortechnologyinnovation and entrepreneurship. |
| PEO8 | **EthicsandSocialRelevance:**Tosensitizestudentstowardsissuesofsocialrelevance,openness to other internationalculturesand to introduce them toprofessionalethicsand practice. |
| PEO9 | **Versatility:**TobuildupabilitiesandtalentsleadingtocreativityandproductivityinfieldsandprofessionsbeyondtheregularGarmentDesigning&Productioncurriculum. |
| PEO10 | **PerformanceIndicator**:Toachieveatleast85%ofthegraduatesemployedincareerssuchasProductdevelopmentexecutives,IndustrialEngineers,ProductionExecutives,SampleDesigners,ChiefExecutiveOfficers,Entrepreneurs’in5to7yearstime. |



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| **ProgramSpecificOutcomes(PSOs)** |
| AfterthesuccessfulcompletionofB.Sc.GarmentDesigningandProductionprogram, thestudentsareexpected to |
| PSO1 | Understandtheorganizationand structureofthe globaltextile/apparelcomplex. |
| PSO2 | Understandtherawmaterialsandtheirprocesswhicharerequiredtomakereadytowearapparels. |
| PSO3 | Developgarmentproductsforspecifictargetmarketstomeetexpectationsforcostandquality(materials, performance, andaesthetics). |
| PSO4 | Evaluatethepropertiesandperformanceofmaterialsingarmentproducts. |
| PSO5 | Applythecreativedesignprocessbothaestheticandtechnicalperformanceandevaluateoutcomes. |
| PSO6 | Applytechnicalknowledgeandskillsinpatternmaking,fitassessment,materialsselection,and assemblyprocesses to meet customer demand. |
| PSO7 | Analyzefactorsaffectinghumanresourcemanagementissues,productionplanning,scheduling,andinventorycontrolrelativetobusinessgoalsandprofessionaldevelopment. |
| PSO8 | Analyzethevariousproductionmethodsappropriatetoproducts,quality,cost,andequipment. |
| PSO9 | Applytechnologyandworkmeasurementtoincreaseproductivity,decreasecosts,and shorten deliverytime. |
| PSO10 | Studyabout themarketassessmentandconsumer factorsthat influence apparel andtextilemerchandising. |



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| **ProgramOutcomes (POs)** |
| Onsuccessfulcompletion oftheB.Sc.Garment Designing&Production program |
| PO1 | Togainbasic knowledge of various sectoroftextileindustry |
| PO2 | Toattainthoroughknowledgeabouttheconceptsinvolvedsuchasmaterialselection,processetcingarment designingandproductiontechniques |
| PO3 | Tounderstandandapplicationsofintellectual,tradeandmanufacturingconceptsforapparelsectorwhereand whenit is required |
| PO4 | FacilitatestoIdentify,formulateandanalyze thecomplexsituationstoarriveacceptablesolutionsbyapplyingdomainspecificknowledge,acquiredthroughtheprogramme. |
| PO5 | Understandtheimpactoftheprofessionalsolutionsinsocietalandenvironmentalcontexts, and demonstrate the knowledge of, and need for sustainabledevelopment. |
| PO6 | Committoprofessionalethicsandresponsibilitiesintheassociateddisciplines. |
| PO7 | Acquirevarioustechnical skillsrelevanttotheprogramme. |
| PO8 | Functioneffectivelyasanindividualorasamemberorleaderinteamsandinmultidisciplinarysettings. |

# BHARATHIARUNIVERSITY::COIMBATORE 641046

**B.Sc. Garment Designing &Production-Curriculum**

*(For the students admitted during the academic year 2021– 22onwards)*

**SCHEME OF EXAMINATION-Revised for Naan mudhalvan**

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| --- | --- | --- | --- | --- |
| **Part** | **Title of the Course** | **Hours/Week** | **Examination** | **Credits** |
| **Duration****inHours** | **MaximumMarks** |
| **CIA** | **CEE** | **Total** |
|  | **SemesterI** |
| I | Language-I | 6 | 3 | 50 | 50 | 100 | 4 |
| II | English-I | 6 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper I–Basic Textile Studies | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper II–Fashion Design Concept &Methodology | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Practica lI-Fashion and Art Design | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Allied PracticalI -Computer ApplicationPractical | 4 | 3 | 50 | 50 | 100 | 4 |
| IV | Environmental Studies\* | 2 | 3 | - | 50 | 50 | 2 |
| **Total** | **30** | **-** | **260** | **340** | **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 III–Woven FabricManufacturing Studies | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper IV–Apparel ManufacturingTechnology I | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Practical II-Woven Fabric AnalysisAnd Textile CAD | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Allied Practical II-Basic ApparelProduction Practical | 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 V–Textile ColorationTechniques | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper VI–Knit Fabric ManufacturingStudies | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper VII– Apparel ManufacturingTechnology II | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Practical III-Pattern Making andGrading of Woven &Knits | 6 | 3 | 50 | 50 | 100 | 4 |
| III | Allied Practical III-Knit fabric analysisPractical | 6 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject I-Textile ColorationTechniques Practical | 4 | 3 | 30 | 45 | 75 | 3 |
| IV | Tamil\*\* / Advanced Tamil\*(OR) Non-major elective-I (Yoga for HumanExcellence)\*/Women’s Rights\* | 2 | 3 | - | 50 | 50 | 2 |
| **Total** | **30** | **-** | **260** | **340** | **600** | **24** |

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|  | **Semester IV** |
| III | Core Paper VIII– Apparel Merchandising&Trade Documentation | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper IX–Apparel Testing &Qualitycontrol | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper X–Apparel costing Techniques | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Practical IV-Garment ConstructionKnits | 5 | 3 | 50 | 50 | 100 | 4 |
| III | Allied Practical IV -Apparel Testing &Quality Control Practical | 5 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject II-Computer AidedPattern designing Practical | 4 | 3 | 25 | 25 | 50 | 2 |
| IV | Tamil\*\*/Advanced Tamil\*(OR)Non-majorelective-II (General Awareness\*) | 2 | 3 | - | 50 | 50 | 2 |
|  | Naan Mudhalvan Skill Course – Digital skills for employability-Office Fundamentals | 2 | - | 25 | 25 | 50 $ | 2 |
|  | [http://kb.naanmudhalvan.in/Special:Filepath/Microsoft\_Course\_Details.xlsx](http://kb.naanmudhalvan.in/Special%3AFilepath/Microsoft_Course_Details.xlsx) |  |  |  |  |  |  |
| **Total** | **30** | **-** | **260** | **340** | **600** | **24** |
|  | **Semester V** |
| III | Core Paper XI–Apparel IndustrialEngineering–I | 5 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper XII–Total Quality Management | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper XII– Technical Textile andFunctional Apparel | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Practical V-Computer Aided FashionArt | 6 | 3 | 50 | 50 | 75 | 3 |
| III | Elective–I | 6 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject III-Design Process andProduct Development–II Practical | 5 | 3 | 50 | 50 | 100 | 4 |
| III | Internship viva voice# | - |  | 25 | 25 | 50 | 2 |
| IV | Naan Mudhalvan skill course- Marketing and Design Tools |  |  | 25 | 75 | 100 | 2 |
| **Total** | **30** | **-** | **265** | **385** | **650** | **24** |
|  | **Semester VI** |
| III | Core Paper XIV-Apparel IndustrialEngineering–II | 6 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper XV- Enterprise ResourcePlanning | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper XVI-Entrepreneurship andSmall Business Development | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Elective–II | 6 | 3 | 50 | 50 | 100 | 4 |
| III | Elective–III | 5 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject IV- Project Work&Viva Voce# | 5 | 3 | 30 | 45 | 75 | 3 |
| V | Extension Activities @ | - |  | 50 | - | 50 | 2 |
|  | Naan Mudhalvan skill course-Employability readiness-Naandi/Unnati/Quest/Izapy/IBMSkillsBuilt  | - | - | - | - | - | - | - |
| **Total** | **30** | **-** | **270** | **280** | **550** | **22** |
| **GrandTotal** | **180** | **-** | **-** | **-** | **3600** | **142** |

**CIA**–Continuous Internal Assessment

**CEE**–Comprehensive External Examination

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

\*\*NoUniversityExaminations.OnlyContinuousInternalAssessment(CIA).

#Mark Division for Internship and Project

|  |  |  |  |
| --- | --- | --- | --- |
| **Papertitle** | **TotalMarks** | **CIA** | **CEE** |
|  | Evaluation | Viva-voce |
| Internship viva voce | 50 | 25 | 15 | 10 |
| Skill based Subject: IV Project &Viva Voce | 75 | 30 | 30 | 15 |

# Additional Credit Course

Prescribed courses under UGC – SWAYAM/ MOOCS/ NPTEL will be available for the affiliated colleges, as an optional.

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| List of Elective papers (Colleges can choose any one of the paper as Electives) |
| Elective –I | A | 5EP | Pattern Making and Garment Construction of Woven Practical |
| B | 5EQ | Draping Techniques Practical |
| C | 5ER | Surface Ornamentation Practical |
| Elective–II | A | 6EP | Design Process and Product Development II |
| B | 6EQ | Advanced Fashion Illustration |
| C | 6ER | Advanced CAD |
| Elective–III | A | 6EA | Fashion Merchandising |
| B | 6EB | Apparel Retailing |
| C | 6EC | Brand Management |