

**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,andapplying  appropriatemodels,techniquesandevaluationstodeveloptheirproducts. |
| PEO2 | **ApplicationofProductionSkill:**Toprovidethestudentswithasolidfoundation  inProduction,PlanningandIndustrialEngineeringprinciplerequiredtodevelopproblem solvingabilityandgiveeffectivesolution tothegarmentindustry. |
| PEO3 | **Diversification:**Topromoteamongstudentgraduatestheabilitytogainmultidisciplinaryknowledgethroughprojectsandindustrialtraining,leadingtoa  sustainablecompetitiveedgeinR&Dandmeetingsocietalneeds. |
| PEO4 | **Projects:**Toimplantgroupworkandteammanagementskillswithclearcoordination,promoteknowledgetransfer anddeliveravariedcomplexprojects. |
| PEO5 | **Teamwork:**Topreparethegraduatesforasuccessfulcareerwitheffective  communicationskills,teamworkskillsandworkwithvaluesthatmeetthediversifiedneeds ofindustry, academiaand research. |
| PEO6 | **SelfLearning:** Todevelopself-learningabilityofgraduatebyinculcatingtheattitudeaboutcontinuouslearn,innovateandcontributetocreationofnewideas  forthe benefitof the societyatlarge. |
| PEO7 | **Entrepreneurs:** Toencouragethegraduate’squalitiesofleadershipfortechnologyinnovation and entrepreneurship. |
| PEO8 | **EthicsandSocialRelevance:**Tosensitizestudentstowardsissuesofsocial  relevance,openness to other internationalculturesand to introduce them toprofessionalethicsand practice. |
| PEO9 | **Versatility:**Tobuildupabilitiesandtalentsleadingtocreativityandproductivity  infieldsandprofessionsbeyondtheregularGarmentDesigning&Productioncurriculum. |
| PEO10 | **PerformanceIndicator**:Toachieveatleast85%ofthegraduatesemployedincareerssuchasProductdevelopmentexecutives,IndustrialEngineers,Production  Executives,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,production  planning,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 thecomplexsituationstoarrive  acceptablesolutionsbyapplyingdomainspecificknowledge,acquiredthroughtheprogramme. |
| PO5 | Understandtheimpactoftheprofessionalsolutionsinsocietalandenvironmentalcontexts, and demonstrate the knowledge of, and need for sustainable  development. |
| 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 Application  Practical | 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 Fabric  Manufacturing Studies | 4 | 3 | 30 | 45 | 75 | 3 |
| III | | Core Paper IV–Apparel Manufacturing  Technology I | 4 | 3 | 30 | 45 | 75 | 3 |
| III | | Core Practical II-Woven Fabric Analysis  And Textile CAD | 4 | 3 | 50 | 50 | 100 | 4 |
| III | | Allied Practical II-Basic Apparel  Production 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 Coloration  Techniques | | 4 | 3 | 30 | 45 | 75 | 3 |
| III | Core Paper VI–Knit Fabric Manufacturing  Studies | | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Paper VII– Apparel Manufacturing  Technology II | | 4 | 3 | 50 | 50 | 100 | 4 |
| III | Core Practical III-Pattern Making and  Grading of Woven &Knits | | 6 | 3 | 50 | 50 | 100 | 4 |
| III | Allied Practical III-Knit fabric analysis  Practical | | 6 | 3 | 50 | 50 | 100 | 4 |
| IV | Skill based Subject I-Textile Coloration  Techniques Practical | | 4 | 3 | 30 | 45 | 75 | 3 |
| IV | Tamil\*\* / Advanced Tamil\*(OR) Non-major elective-I (Yoga for Human  Excellence)\*/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 &Quality  control | | 4 | | 3 | | | 30 | | 45 | | | 75 | | 3 |
| III | | Core Paper X–Apparel costing Techniques | | 4 | | 3 | | | 50 | | 50 | | | 100 | | 4 |
| III | | Core Practical IV-Garment Construction  Knits | | 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 Aided  Pattern designing Practical | | 4 | | 3 | | | 25 | | 25 | | | 50 | | 2 |
| IV | | Tamil\*\*/Advanced Tamil\*(OR)Non-major  elective-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> | |  | |  | | |  | |  | | |  | |  |
| **Total** | | | | **30** | | **-** | | | **260** | | **340** | | | **600** | | **24** |
|  | | **Semester V** | | | | | | | | | | | | | | |
| III | | Core Paper XI–Apparel Industrial  Engineering–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 and  Functional Apparel | 4 | | 3 | | | 30 | | 45 | | | 75 | | 3 | |
| III | | Core Practical V-Computer Aided Fashion  Art | 6 | | 3 | | | 50 | | 50 | | | 75 | | 3 | |
| III | | Elective–I | 6 | | 3 | | | 50 | | 50 | | | 100 | | 4 | |
| IV | | Skill based Subject III-Design Process and  Product 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 Industrial  Engineering–II | 6 | | 3 | | | 30 | | 45 | | | 75 | | 3 | |
| III | | Core Paper XV- Enterprise Resource  Planning | 4 | | 3 | | | 30 | | 45 | | | 75 | | 3 | |
| III | | Core Paper XVI-Entrepreneurship and  Small 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/IBM  SkillsBuilt | - | | - | | | - | | - | | | - | | - | | - |
| **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 |