

B.Tech. TEXTILE TECHNOLOGY
Minimum Credits to be Earned 171.0

First Semester

| Code No. | Course | Objectives & Outcomes | | L | T | P | C |
|--------------|--|-----------------------|-------------------|----|---|---|------|
| | | PEOs | POs | | | | |
| 18TT101 | ENGINEERING MATHEMATICS I | I,II | a,b | 3 | 1 | 0 | 4 |
| 18TT102 | ENGINEERING PHYSICS I | I,II,III | a,b,i | 2 | 0 | 2 | 3 |
| 18TT103 | ENGINEERING CHEMISTRY I | I,II,III | a,b,g | 2 | 0 | 2 | 3 |
| 18TT104 | BASICS OF CIVIL AND MECHANICAL ENGINEERING | I,II,III | a,b,c,f,g,h,i,m,n | 4 | 0 | 0 | 4 |
| 18HS101 | COMMUNICATIVE ENGLISH I | I,II,III | i,j | 1 | 0 | 2 | 2 |
| 18TT106 | WORKSHOP PRACTICE | I,II,III | a,b,c,e | 0 | 0 | 2 | 1 |
| Total | | | | 12 | 1 | 8 | 17.0 |

Second Semester

| Code No. | Course | Objectives & Outcomes | | L | T | P | C |
|--------------|--|-----------------------|-------------------|----|---|----|------|
| | | PEOs | POs | | | | |
| 18TT201 | ENGINEERING MATHEMATICS II | I,II | a,b | 3 | 1 | 0 | 4 |
| 18TT202 | ENGINEERING PHYSICS II | I,II,III | a,b,i | 2 | 0 | 2 | 3 |
| 18TT203 | ENGINEERING CHEMISTRY II | I,II | a,b | 2 | 0 | 2 | 3 |
| 18TT204 | BASICS OF ELECTRICAL AND ELECTRONICS ENGINEERING | I,II,III | a,b,c,d,e,f,g,m,n | 2 | 0 | 2 | 3 |
| 18TT205 | TEXTILE FIBRES | I,II,III | a,j,k,l,m | 2 | 0 | 2 | 3 |
| | LANGUAGE ELECTIVE | - | - | - | - | - | 2 |
| 18TT207 | ENGINEERING DRAWING | I,II,III | a,i,j,m | 1 | 0 | 4 | 3 |
| Total | | | | 12 | 1 | 12 | 21.0 |

Third Semester

| Code No. | Course | Objectives & Outcomes | | L | T | P | C |
|--------------|---|-----------------------|-------------------|----|---|----|------|
| | | PEOs | POs | | | | |
| 18TT301 | ENGINEERING MATHEMATICS III | I,II,III | a,b,c | 3 | 1 | 0 | 4 |
| 18TT302 | APPLIED MECHANICS | I,II,III | a,b,c,d,e | 2 | 2 | 0 | 3 |
| 18TT303 | INSTRUMENTATION AND CONTROL ENGINEERING | I,II,III | a,b,c,d,e,k,l,m,n | 2 | 0 | 2 | 3 |
| 18TT304 | COMPUTER PROGRAMMING | I,II | a,b,e | 2 | 0 | 2 | 3 |
| 18TT305 | SPINNING TECHNOLOGY I | I,II,III | a,c,e,j,k,l,m,n | 3 | 0 | 0 | 3 |
| 18TT306 | WEAVING TECHNOLOGY I | I,II,III | a,e,k,l,m,n | 3 | 0 | 0 | 3 |
| 18TT307 | SPINNING TECHNOLOGY LABORATORY I | I,II,III | a,b,c,d,e,j,l,m,n | 0 | 0 | 4 | 2 |
| 18TT308 | WEAVING TECHNOLOGY LABORATORY I | I,II,III | a,c,d,e,i,l,m,n | 0 | 0 | 4 | 2 |
| 18GE301 | SOFT SKILLS - VERBAL ABILITY | - | - | 2 | 0 | 0 | 0 |
| Total | | | | 17 | 3 | 12 | 23.0 |

Fourth Semester

| Code No. | Course | Objectives & Outcomes | | L | T | P | C |
|--------------|---|-----------------------|-------------------|----|---|----|------|
| | | PEOs | POs | | | | |
| 18HS001 | ENVIRONMENTAL SCIENCE | - | - | 2 | 0 | 0 | 0 |
| 18TT401 | ENGINEERING MATHEMATICS IV | I,II,III | a,b,c,d,i | 3 | 1 | 0 | 4 |
| 18TT402 | THEORY OF MACHINES | I,II | a,b | 3 | 0 | 0 | 3 |
| 18TT403 | STRUCTURE AND PROPERTIES OF TEXTILE FIBRES | I,II,III | a,b,f,k,l,m | 3 | 0 | 0 | 3 |
| 18TT404 | SPINNING TECHNOLOGY II | I,II,III | a,b,c,m | 3 | 0 | 2 | 4 |
| 18TT405 | WEAVING TECHNOLOGY II | I,II,III | a,b,c,d,e,i,l,m,n | 3 | 0 | 2 | 4 |
| 18TT406 | TEXTILE CHEMICAL PROCESSING I | I,II,III | a,b,c,n | 3 | 0 | 0 | 3 |
| 18TT407 | TEXTILE CHEMICAL PROCESSING LABORATORY | I,II,III | a,b,c,e,i,l,n | 0 | 0 | 4 | 2 |
| 18TT408 | TEXTILE MACHINE DRAWING AND TECHNICAL SEMINAR | I,II,III | a,b,c,d,e | 0 | 0 | 4 | 2 |
| 18GE401 | SOFT SKILLS-REASONING | - | - | 2 | 0 | 0 | 0 |
| Total | | | | 22 | 1 | 12 | 25.0 |

Fifth Semester

| Code No. | Course | Objectives & Outcomes | | L | T | P | C |
|----------|--------------------------------|-----------------------|---------------------|---|---|---|---|
| | | PEOs | POs | | | | |
| 18TT501 | TEXTILE CHEMICAL PROCESSING II | I,II,III | a,b,c,h,i,n | 3 | 0 | 2 | 4 |
| 18TT502 | MANUFACTURED FIBRE TECHNOLOGY | I,II,III | a,b,c,d,e,g,l,m,n | 3 | 0 | 0 | 3 |
| 18TT503 | FABRIC STRUCTURE AND DESIGN | I,II,III | a,b,i,j,l,m,n | 3 | 0 | 0 | 3 |
| 18TT504 | TEXTILE TESTING | I,II,III | a,d,e,f,h,j,k,l,m,n | 3 | 0 | 0 | 3 |
| | PROFESSIONAL ELECTIVE I | - | - | - | - | - | 3 |
| | PROFESSIONAL ELECTIVE II | - | - | - | - | - | 3 |

| 18TT507 | FABRIC STRUCTURE AND DESIGN LABORATORY | I,II,III | a,b,i,j,l,m,n | 0 | 0 | 2 | 1 |
|----------------------|--|----------------------|---------------------------|----|---|----|------|
| 18TT508 | TEXTILE TESTING LABORATORY | I,II,III | a,d,e,f,h,l,m,n | 0 | 0 | 4 | 2 |
| 18GE501 | SOFT SKILLS - APTITUDE I | - | - | 0 | 0 | 2 | 0 |
| Total | | | | 12 | 0 | 10 | 22.0 |
| Sixth Semester | | | | | | | |
| Code No. | Course | Objectives &Outcomes | | L | T | P | C |
| | | PEOs | POs | | | | |
| 18HS002 | PROFESSIONAL ETHICS IN ENGINEERING | - | - | 2 | 0 | 0 | 2 |
| 18TT602 | KNITTING TECHNOLOGY | I,II,III | a,c,f,l,m,n | 3 | 0 | 2 | 4 |
| 18TT603 | GARMENT TECHNOLOGY | I,II,III | a,b,c,m,n | 3 | 0 | 0 | 3 |
| 18TT604 | QUANTITATIVE METHODS IN TEXTILE INDUSTRY | I,II,III | a,b,i,j,k,l,m | 3 | 2 | 0 | 4 |
| | PROFESSIONAL ELECTIVE III | - | - | - | - | - | 3 |
| | PROFESSIONAL ELECTIVE IV | - | - | - | - | - | 3 |
| 18TT607 | PATTERN MAKING LABORATORY | I,II,III | a,b,c,m,n | 2 | 0 | 2 | 3 |
| 18GE601 | SOFT SKILLS-APTITUDE II | - | - | 0 | 0 | 2 | 0 |
| Total | | | | 13 | 2 | 6 | 22.0 |
| Seventh Semester | | | | | | | |
| Code No. | Course | Objectives &Outcomes | | L | T | P | C |
| | | PEOs | POs | | | | |
| 18HS003 | PRINCIPLES OF MANAGEMENT | - | - | 2 | 0 | 0 | 2 |
| 18TT702 | COSTING AND FINANCIAL MANAGEMENT | I,II,III | a,b,e,h,i,j,k,m | 3 | 0 | 0 | 3 |
| 18TT703 | NONWOVEN TECHNOLOGY | I,II,III | a,b,c,f,l,m,n | 3 | 0 | 0 | 3 |
| 18TT704 | TECHNICAL TEXTILES | I,II,III | a,b,c,d,e,g,i,j,l,m,n | 3 | 0 | 0 | 3 |
| | PROFESSIONAL ELECTIVE V | - | - | - | - | - | 3 |
| | PROFESSIONAL ELECTIVE VI | - | - | - | - | - | 3 |
| 18TT707 | COMPUTER AIDED TEXTILE AND APPAREL DESIGN LABORATORY | I,II,III | a,c,e,m,n | 0 | 0 | 4 | 2 |
| 18TT708 | PRODUCT DEVELOPMENT LABORATORY | I,II,III | a,c,e,m,n | 0 | 0 | 2 | 1 |
| 18TT709 | PROJECT WORK I | I,II,III | a,b,c,d,e,h,i,j,k,l,m,n | 0 | 0 | 6 | 3 |
| Total | | | | 11 | 0 | 12 | 23.0 |
| Eight Semester | | | | | | | |
| Code No. | Course | Objectives &Outcomes | | L | T | P | C |
| | | PEOs | POs | | | | |
| | PROFESSIONAL ELECTIVE VII | - | - | - | - | - | 3 |
| | PROFESSIONAL ELECTIVE VIII | - | - | - | - | - | 3 |
| | PROFESSIONAL ELECTIVE 1X | - | - | - | - | - | 3 |
| 18TT804 | PROJECT WORK II | I,II,III | a,b,c,d,e,g,h,i,j,k,l,m,n | 0 | 0 | 18 | 9 |
| Total | | | | 0 | 0 | 18 | 18.0 |
| Electives | | | | | | | |
| Code No. | Course | Objectives &Outcomes | | L | T | P | C |
| | | PEOs | POs | | | | |
| LANGUAGE ELECTIVES | | | | | | | |
| 18HSJ01 | JAPANESE | - | - | 1 | 0 | 2 | 2 |
| DISCIPLINE ELECTIVES | | | | | | | |
| 18TT002 | TEXTURING TECHNOLOGY | I,II,III | a,c,m | 3 | 0 | 0 | 3 |
| 18TT003 | APPAREL PRODUCTION PLANNING AND CONTROL | I,II,III | a,b,i,j,k,l,m,n | 3 | 0 | 0 | 3 |
| 18TT004 | THEORY OF SPINNING | I,II,III | a,b,c,e,m | 3 | 0 | 0 | 3 |
| 18TT005 | THEORY OF WEAVING | I,II,III | a,c,e,k,m,n | 3 | 0 | 0 | 3 |
| 18TT006 | ADVANCED KNITTING TECHNOLOGY | I,II,III | a,b,d,m | 3 | 0 | 0 | 3 |
| 18TT007 | ADVANCES IN CHEMICAL PROCESSING TECHNOLOGY | I,II,III | a,b,c,n | 3 | 0 | 0 | 3 |
| 18TT008 | TEXTILE EFFLUENT TREATMENT | I,II,III | a,b,c,n | 3 | 0 | 0 | 3 |
| 18TT010 | PROCESS AND QUALITY CONTROL IN TEXTILE CHEMICAL PROCESSING | I,II,III | a,b,c,e,n | 3 | 0 | 0 | 3 |
| 18TT011 | COLOUR SCIENCE | I,II,III | a,c,e,n | 3 | 0 | 0 | 3 |
| 18TT012 | PATTERN ENGINEERING | I,II,III | a,c,n | 3 | 0 | 0 | 3 |
| 18TT013 | GARMENT PRODUCTION MACHINERY AND EQUIPMENT | I,II,III | a,c,e,m,n | 3 | 0 | 0 | 3 |
| 18TT014 | MANAGEMENT OF APPAREL UNITS | I,II,III | a,b,k,l,m,n | 3 | 0 | 0 | 3 |
| 18TT015 | APPAREL MARKETING AND MERCHANDISING | I,II,III | a,b,f,i,j,k,l,m,n | 3 | 0 | 0 | 3 |
| 18TT016 | COATED AND LAMINATED TEXTILES | I,II,III | a,b,c,e,g,k,l,m,n | 3 | 0 | 0 | 3 |
| 18TT017 | NANO TEXTILES | I,II,III | a,c,m,n | 3 | 0 | 0 | 3 |
| 18TT018 | HIGH PERFORMANCE FIBERS | I,II,III | a,b,c,d,e,j,l,m,n | 3 | 0 | 0 | 3 |
| 18TT019 | TEXTILE COMPOSITES | I,II,III | a,b,c,d,e,g,h,i,j,k,l,m,n | 3 | 0 | 0 | 3 |

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| 18TT020 | TOTAL QUALITY MANAGEMENT | I,II,III | a,b,c,d,e,f,g,h, i,j,k,l,m,n | 3 | 0 | 0 | 3 |
| 18TT021 | MAINTENANCE MANAGEMENT | I,II,III | a,b,c,e,i,m | 3 | 0 | 0 | 3 |
| 18TT022 | INDUSTRIAL ENGINEERING | I,II,III | b,c,d,f,g,h,j,k,l, m,n | 3 | 0 | 0 | 3 |
| 18TT023 | UTILITIES ENGINEERING | I,II,III | a,b,c,d,f,k,l,m, n | 3 | 0 | 0 | 3 |
| 18TT024 | HOME TEXTILES | I,II,III | a,b,c,d,n | 3 | 0 | 0 | 3 |
| 18TT025 | MECHANICS OF TEXTILE MACHINES | I,II,III | a,b,m | 3 | 0 | 0 | 3 |
| 18TT026 | SPECIALITY TEXTILES | I,II,III | a,b,m | 3 | 0 | 0 | 3 |
| 18TT027 | ADVANCED QUANTITATIVE METHODS | I,II,III | a,b,d,g,k,l,m,n | 3 | 0 | 0 | 3 |
| 18TT028 | CLOTHING SCIENCE | I,II,III | a,b,c,n | 3 | 0 | 0 | 3 |
| 18TT029 | MANAGERIAL PRACTICES IN TEXTILE INDUSTRY | I,II,III | b,f,g,h,m | 3 | 0 | 0 | 3 |

ENTREPRENEURSHIP ELECTIVES

| | | | | | | | |
|---------|---------------------------------|---|---|---|---|---|---|
| 18GE002 | ENTREPRENEURSHIP DEVELOPMENT II | - | - | 3 | 0 | 0 | 3 |
|---------|---------------------------------|---|---|---|---|---|---|

ONE CREDIT COURSES

| | | | | | | | |
|---------|---------------------------------|----------|-------|---|---|---|---|
| 18TT0XM | INDUSTRIAL EXPORT MERCHANDISING | I,II,III | a,b,i | 1 | 0 | 0 | 1 |
| 18TT0XP | GARMENT COSTING | - | - | 0 | 0 | 0 | 1 |

OPEN ELECTIVES

| | | | | | | | |
|---------|-------------------------------------|----------|-------|---|---|---|---|
| 18GE0C1 | CORROSION SCIENCE AND ENGINEERING | I,II,III | a,b,g | 3 | 0 | 0 | 3 |
| 18GE0C2 | ENERGY STORING DEVICES | I,II | a,b | 3 | 0 | 0 | 3 |
| 18GE0C3 | POLYMER SCIENCE | I,II,III | a,b,c | 3 | 0 | 0 | 3 |
| 18GE0P1 | NANOMATERIALS SCIENCE | - | - | 3 | 0 | 0 | 3 |
| 18GE0P2 | SEMICONDUCTOR PHYSICS AND DEVICES | - | - | 3 | 0 | 0 | 3 |
| 18GE0P3 | APPLIED LASER SCIENCE | - | - | 3 | 0 | 0 | 3 |
| 18GE0P4 | BIO-PHOTONICS | - | - | 3 | 0 | 0 | 3 |
| 18GE0P5 | PHYSICS OF SOFT MATTER | - | - | 3 | 0 | 0 | 3 |
| 18TT0YA | YARN AND FABRIC MANUFACTURE | - | - | 3 | 0 | 0 | 3 |
| 18TT0YB | COLOURATION OF TEXTILES | - | - | 3 | 0 | 0 | 3 |
| 18TT0YC | TEXTILES IN ENGINEERING APPLICATION | - | - | 3 | 0 | 0 | 3 |
| 18TT0YD | GENERAL TEXTILE TECHNOLOGY | - | - | 3 | 0 | 0 | 3 |

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| <p>ADDITIONAL ONE CREDIT COURSE</p> |
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| 18GE0XA | ETYMOLOGY | - | - | 1 | 0 | 0 | 1 |
| 18GE0XB | GENERAL PSYCHOLOGY | - | - | 1 | 0 | 0 | 1 |
| 18GE0XC | NEURO BEHAVIORAL SCIENCE | I,II,III | i | 1 | 0 | 0 | 1 |
| 18GE0XD | VISUAL MEDIA AND FILM MAKING | I,II,III | b,f | 1 | 0 | 0 | 1 |
| 18GE0XE | YOGA FOR HUMAN EXCELLENCE | - | - | 1 | 0 | 0 | 1 |
| 18GE0XF | VEDIC MATHEMATICS | - | - | 1 | 0 | 0 | 1 |
| 18GE0XG | HEALTH AND FITNESS | - | - | 1 | 0 | 0 | 1 |
| 18GE0XH | CONCEPT, METHODOLOGY AND APPLICATIONS OF VERMICOMPOSTING | - | - | 1 | 0 | 0 | 1 |
| 18GE0XI | BLOG WRITING | I,II,III | f,g,j | 1 | 0 | 0 | 1 |
| 18GE0XJ | INTERPERSONAL SKILLS | - | - | 1 | 0 | 0 | 1 |
| 18GE0XK | NEW AGE INNOVATION AND ENTREPRENEURSHIP | - | - | 1 | 0 | 0 | 1 |
| 18GE0XL | NATIONAL CADET CORPS | I,II,III | g,i | 1 | 0 | 0 | 1 |
| 18GE0XM | COMMUNITY SERVICE AND LEADERSHIP DEVELOPMENT | - | - | 1 | 0 | 0 | 1 |
| 18GE0XN | DISRUPTIVE INNOVATION BASED STARTUP ACTIVITIES | - | - | 1 | 0 | 0 | 1 |
| 18GE0XO | SOCIAL PSYCHOLOGY | I,II,III | i | 1 | 0 | 0 | 1 |
| 18GEXT | NATIONAL CADET CORPS | - | - | 1 | 0 | 0 | 1 |

HUMANITIES AND SOCIAL SCIENCE COURSES |

| | | | | | | | |
|---------|--|---|---|---|---|---|---|
| 18HS011 | PROJECT MANAGEMENT AND ENTREPRENEURSHIP | - | - | 2 | 0 | 0 | 2 |
| 18HS012 | ORGANIZATIONAL BEHAVIOUR | - | - | 2 | 0 | 0 | 2 |
| 18HS013 | INTRODUCTION TO INDUSTRIAL MANAGEMENT | - | - | 2 | 0 | 0 | 2 |
| 18HS014 | FUNDAMENTALS OF MANAGEMENT FOR ENGINEERS | - | - | 2 | 0 | 0 | 2 |
| 18HS015 | MACRO ECONOMICS | - | - | 2 | 0 | 0 | 2 |
| 18HS016 | QUANTITATIVE METHODS FOR DECISION MAKING | - | - | 2 | 0 | 0 | 2 |

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| HUMANITIES AND SOCIAL SCIENCE COURSES II | |
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| HUMANITIES AND SOCIAL SCIENCES COURSES II | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18HS021 | POLITICAL AND ECONOMIC THOUGHT FOR A HUMAN SOCIETY | - | - | 2 | 0 | 0 | 2 |
| 18HS022 | EDUCATION, TECHNOLOGY AND SOCIETY | - | - | 2 | 0 | 0 | 2 |
| 18HS023 | PSYCHOLOGICAL PROCESS | - | - | 2 | 0 | 0 | 2 |
| 18HS024 | VALUES AND ETHICS | - | - | 2 | 0 | 0 | 2 |
| 18HS025 | ETHICS AND HOLISTIC LIFE | - | - | 2 | 0 | 0 | 2 |
| 18HS026 | CONTEMPORARY INDIA IN GLOBALIZED ERA: CHALLENGES OF DEMOCRACY AND DEVELOPMENT | - | - | 2 | 0 | 0 | 2 |
| 18HS027 | UNIVERSAL HUMAN VALUES: SELF, SOCIETY AND NATURE | - | - | 2 | 0 | 0 | 2 |

[illegible]

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|---------|---|----------|---------|---|---|---|---|
| 18TT001 | LONG STAPLE SPINNING TECHNOLOGY | I,II,III | a,c,m | 3 | 0 | 0 | 3 |
| 18TT009 | PROCESS CONTROL IN SPINNING AND WEAVING | I,II,III | a,b,e,m | 3 | 0 | 0 | 3 |

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| | ONE CREDIT COURSES |
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|------------------------------|--|----------|-------------|---|---|---|---|
| 18TT0XA | COTTON FIBERS:OPTIONS AND ALTERNATIVES | I,II | a,b | 0 | 0 | 0 | 1 |
| 18TT0XB | FANCY YARNS | I,II | a,b | 0 | 0 | 0 | 1 |
| 18TT0XC | DENIM FABRICS AND GARMENTS | I,II,III | a,b,c,g | 0 | 0 | 0 | 1 |
| 18TT0XD | TESTING OF DYES | I,II | a,b | 0 | 0 | 0 | 1 |
| 18TT0XE | TESTING OF AUXILIARIES | I,II,III | a,b,d | 0 | 0 | 0 | 1 |
| 18TT0XF | ECO PROCESSING | I,II,III | a,b,g,h,j,k | 0 | 0 | 0 | 1 |
| 18TT0XG | ERECTION AND COMMISSIONING OF TEXTILE MACHINES | I,II | a,b | 0 | 0 | 0 | 1 |
| 18TT0XH | WORKLOAD AND WORK ASSIGNMENTS | I,II | a,b | 0 | 0 | 0 | 1 |
| 18TT0XI | AIR ENGINEERING IN TEXTILE INDUSTRY | I,II | a,b | 0 | 0 | 0 | 1 |
| 18TT0XJ | PRODUCT CERTIFICATION | I,II,III | a,b,f,h | 0 | 0 | 0 | 1 |
| 18TT0XK | ENERGY CONSERVATION IN THE ETEXTILE INDUSTRY | I,II,III | a,b,f,g | 0 | 0 | 0 | 1 |
| LANGUAGE ELECTIVES | | | | | | | |
| 18HSH01 | HINDI | - | - | 1 | 0 | 2 | 2 |
| 18HSC01 | CHINESE | - | - | 1 | 0 | 2 | 2 |
| 18HSF01 | FRENCH | I,II,III | j | 1 | 0 | 2 | 2 |
| 18HSG01 | GERMAN | - | - | 1 | 0 | 2 | 2 |
| PHYSICS ELECTIVES | | | | | | | |
| 18PH201 | PHYSICS OF MATERIALS | - | - | 2 | 0 | 2 | 3 |
| LANGUAGE ELECTIVES | | | | | | | |
| 18HS201 | COMMUNICATIVE ENGLISH II | I,II,III | i,j | 1 | 0 | 2 | 2 |
| PHYSICS ELECTIVES | | | | | | | |
| 18PH202 | APPLIED PHYSICS | - | - | 2 | 0 | 2 | 3 |
| CHEMISTRY ELECTIVES | | | | | | | |
| 18CH201 | ENGINEERING CHEMISTRY | - | - | 2 | 0 | 2 | 3 |
| 18CH202 | APPLIED CHEMISTRY | - | - | 2 | 0 | 2 | 3 |
| MATHEMATICS ELECTIVES | | | | | | | |
| 18MA201 | PROBABILITY AND STATISTICS | - | - | 3 | 1 | 0 | 4 |
| 18MA202 | MATHEMATICS IN APPAREL INDUSTRY | - | - | 3 | 1 | 0 | 4 |
| OPEN ELECTIVES | | | | | | | |
| 18AE0YA | NON-DESTRUCTIVE TESTING | - | - | 3 | 0 | 0 | 3 |
| 18AE0YB | SMART MATERIALS | - | - | 3 | 0 | 0 | 3 |
| 18AE0YC | FUNDAMENTALS OF AIRCRAFT ENGINEERING | - | - | 3 | 0 | 0 | 3 |
| 18AG0YA | ENTREPRENEURSHIP DEVELOPMENT AND FOOD QUALITY MANAGEMENT FOOD INDUSTRY | - | - | 3 | 0 | 0 | 3 |
| 18AG0YB | HUMAN ENGINEERING AND SAFETY IN AGRICULTURE | - | - | 3 | 0 | 0 | 3 |
| 18AG0YC | ENERGY MANGEMENT IN AGRICULTURE | - | - | 3 | 0 | 0 | 3 |
| 18AG0YD | FARM MECHANISATION | - | - | 3 | 0 | 0 | 3 |
| 18AU0YA | AUTOMOTIVE ENGINEERING | - | - | 3 | 0 | 0 | 3 |
| 18AU0YB | VEHICLE CONTROL SYSTEMS | - | - | 3 | 0 | 0 | 3 |
| 18AU0YC | PUBLIC TRANSPORT MANAGEMENT | - | - | 3 | 0 | 0 | 3 |
| 18AU0YD | TECHNOLOGIES FOR GREEN MOBILITY | - | - | 3 | 0 | 0 | 3 |
| 18AU0YE | TROUBLE SHOOTING AND MAINTENANCE OF AUTOMOBILES | - | - | 3 | 0 | 0 | 3 |
| 18BT0YA | BIOFUELS | - | - | 3 | 0 | 0 | 3 |
| 18BT0YB | MUSHROOM CULTIVATION AND VERMICOMPOSTING | - | - | 3 | 0 | 0 | 3 |
| 18BT0YC | FORENSIC TECHNOLOGY | - | - | 3 | 0 | 0 | 3 |
| 18CE0YA | GREEN BUILDINGS | - | - | 3 | 0 | 0 | 3 |
| 18CE0YB | DISASTER PREPAREDNESS AND PLANNING | - | - | 3 | 0 | 0 | 3 |
| 18CE0YC | ENVIRONMENTAL IMPACT ASSESSMENT | - | - | 3 | 0 | 0 | 3 |
| 18CE0YD | BUILDING SERVICES | - | - | 3 | 0 | 0 | 3 |
| 18CE0YE | INDUSTRIAL WASTE MANAGEMENT | - | - | 3 | 0 | 0 | 3 |
| 18CE0YF | WEALTH FROM WASTE | - | - | 3 | 0 | 0 | 3 |
| 18CE0YG | RISK AND SAFETY MANAGEMENT | - | - | 3 | 0 | 0 | 3 |
| 18CE0YH | ENERGY SCIENCE AND ENGINEERING | - | - | 3 | 0 | 0 | 3 |
| 18CE0YI | CONCEPTS OF REMOTE SENSING | - | - | 3 | 0 | 0 | 3 |
| 18CS0YA | E-LEARNING TECHNIQUES | - | - | 3 | 0 | 0 | 3 |
| 18CS0YB | SOFTWARE TESTING AND QUALITY ASSURANCE | - | - | 3 | 0 | 0 | 3 |
| 18CS0YC | JAVA FUNDAMENTALS | - | - | 3 | 0 | 0 | 3 |
| 18CS0YD | NETWORK ENGINEERING AND MANAGEMENT | - | - | 3 | 0 | 0 | 3 |
| 18CS0YE | AGENT BASED INTELLIGENT SYSTEMS | - | - | 3 | 0 | 0 | 3 |
| 18CS0YF | E-BUSINESS | - | - | 3 | 0 | 0 | 3 |
| 18CS0YG | KNOWLEDGE DISCOVERY IN DATABASES | - | - | 3 | 0 | 0 | 3 |
| 18CS0YH | SOCIAL NETWORK ANALYSIS CONCEPTS | - | - | 3 | 0 | 0 | 3 |
| 18CS0YI | OPERATING SYSTEM CONCEPTS | - | - | 3 | 0 | 0 | 3 |
| 18CS0YJ | OBJECT ORIENTED PROGRAMMING | - | - | 3 | 0 | 0 | 3 |
| 18EC0YA | BASICS OF ANALOG AND DIGITAL ELECTRONICS | - | - | 3 | 0 | 0 | 3 |
| 18EC0YB | AUTOMOTIVE ELECTRONICS | - | - | 3 | 0 | 0 | 3 |
| 18EC0YC | PCB DESIGN AND PROTOTYPING | - | - | 3 | 0 | 0 | 3 |
| 18EC0YD | MICROCONTROLLER PROGRAMMING | - | - | 3 | 0 | 0 | 3 |

| | | | | | | | |
|---------|---|---|---|---|---|---|---|
| 18EC0YE | ENGINEERING COMPUTATION WITH MATLAB | - | - | 3 | 0 | 0 | 3 |
| 18EC0YF | BASICS OF HARDWARE DESCRIPTION LANGUAGES | - | - | 3 | 0 | 0 | 3 |
| 18EC0YG | FUNDAMENTALS OF EMBEDDED SYSTEMS | - | - | 3 | 0 | 0 | 3 |
| 18EC0YH | PRINCIPLES OF COMMUNICATION SYSTEMS | - | - | 3 | 0 | 0 | 3 |
| 18EC0YI | ELECTRONIC PRODUCT DESIGN AND PACKAGING | - | - | 3 | 0 | 0 | 3 |
| 18EC0YJ | PRINCIPLES OF COMPUTER COMMUNICATION AND NETWORKS | - | - | 3 | 0 | 0 | 3 |
| 18EE0YA | ENERGY CONSERVATION AND MANAGEMENT | - | - | 3 | 0 | 0 | 3 |
| 18EE0YB | ELECTRICAL SAFETY | - | - | 3 | 0 | 0 | 3 |
| 18EE0YC | INDUSTRIAL DRIVES AND CONTROL | - | - | 3 | 0 | 0 | 3 |
| 18EI0YA | PROGRAMMABLE LOGIC CONTROLLERS | - | - | 3 | 0 | 0 | 3 |
| 18EI0YB | SENSOR TECHNOLOGY | - | - | 3 | 0 | 0 | 3 |
| 18EI0YC | FUNDAMENTALS OF VIRTUAL INSTRUMENTATION | - | - | 3 | 0 | 0 | 3 |
| 18EI0YD | OPTOELECTRONICS AND LASER INSTRUMENTATION | - | - | 3 | 0 | 0 | 3 |
| 18FD0YA | TRADITIONAL FOODS | - | - | 3 | 0 | 0 | 3 |
| 18FD0YB | FOOD LAWS AND REGULATIONS | - | - | 3 | 0 | 0 | 3 |
| 18FD0YC | POST HARVEST TECHNOLOGY OF FRUITS AND VEGETABLES | - | - | 3 | 0 | 0 | 3 |
| 18FT0YA | FASHION CRAFTS | - | - | 3 | 0 | 0 | 3 |
| 18FT0YB | FASHION ACCESSORIES | - | - | 3 | 0 | 0 | 3 |
| 18FT0YC | FASHION VISUAL MERCHANDISING | - | - | 3 | 0 | 0 | 3 |
| 18FT0YD | INTERIOR DESIGN | - | - | 3 | 0 | 0 | 3 |
| 18FT0YE | SURFACE EMBELLISHMENT | - | - | 3 | 0 | 0 | 3 |
| 18GE01 | BUSINESS ANALYTICS | - | - | 3 | 0 | 0 | 3 |
| 18GE02 | INDUSTRIAL SAFETY | - | - | 3 | 0 | 0 | 3 |
| 18GE03 | OPERATIONS RESEARCH | - | - | 3 | 0 | 0 | 3 |
| 18GE04 | COST MANAGEMENT OF ENGINEERING PROJECTS | - | - | 3 | 0 | 0 | 3 |
| 18GE05 | COMPOSITE MATERIALS | - | - | 3 | 0 | 0 | 3 |
| 18GE06 | WASTE TO ENERGY | - | - | 3 | 0 | 0 | 3 |
| 18IT0YA | DATABASE MANAGEMENT SYSTEMS | - | - | 3 | 0 | 0 | 3 |
| 18IT0YB | DATA STRUCTURES AND ALGORITHMS | - | - | 3 | 0 | 0 | 3 |
| 18IT0YC | DATA SCIENCES AND ANALYTICS | - | - | 3 | 0 | 0 | 3 |
| 18IT0YD | OBJECT ORIENTED PROGRAMMING | - | - | 3 | 0 | 0 | 3 |
| 18IT0YE | ARTIFICIAL INTELLIGENCE | - | - | 3 | 0 | 0 | 3 |
| 18ME0YA | INDUSTRIAL PROCESS ENGINEERING | - | - | 3 | 0 | 0 | 3 |
| 18ME0YB | SAFETY ENGINEERING | - | - | 3 | 0 | 0 | 3 |
| 18ME0YC | MAINTENANCE ENGINEERING | - | - | 3 | 0 | 0 | 3 |
| 18ME0YD | BASICS OF NON-DESTRUCTIVE TESTING | - | - | 3 | 0 | 0 | 3 |
| 18ME0YE | DIGITAL MANUFACTURING | - | - | 3 | 0 | 0 | 3 |
| 18ME0YF | WORK STUDY AND ERGONOMICS | - | - | 3 | 0 | 0 | 3 |
| 18ME0YG | METROLOGY IN INDUSTRY | - | - | 3 | 0 | 0 | 3 |
| 18ME0YH | PLANT LAYOUT AND MATERIAL HANDLING | - | - | 3 | 0 | 0 | 3 |
| 18ME0YI | CONCEPTS OF ENGINEERING DESIGN | - | - | 3 | 0 | 0 | 3 |
| 18ME0YJ | OIL HYDRAULICS AND PNEUMATICS | - | - | 3 | 0 | 0 | 3 |
| 18ME0YK | ENERGY AUDITING AND MANAGEMENT | - | - | 3 | 0 | 0 | 3 |
| 18ME0YL | LEAN SIX SIGMA | - | - | 3 | 0 | 0 | 3 |
| 18ME0YM | HEATING VENTILATION AND AIRCONDITIONING | - | - | 3 | 0 | 0 | 3 |

