



# NEHRU ARTS AND SCIENCE COLLEGE

(AUTONOMOUS)

(Affiliated to Bharathiar University Accredited with "A+" Grade by NAAC)  
Nehru Gardens, Thirumalayampalayam, Coimbatore - 641 105, Tamil Nadu.

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## CRITERION I – CURRICULAR ASPECTS

Number of Programmes in which CBCS/ Elective Course System Implemented: 337

| S.No | Programme Code | Programme Name  | Course Code | Elective Course Name                         |
|------|----------------|---|-------------|--|
| 1.   | UEN            | B. A. English Literature  | 22U3ENE501  | Creative Writing                             |
|      |                |   | 22U3ENE502  | English For Employability                    |
|      |                |   | 22U3ENE503  | Journalism                                   |
|      |                |   | 22U3ENE604  | Introduction to Lexicography                 |
|      |                |   | 22U3ENE605  | English for Everyday use                     |
|      |                |   | 22U3ENE606  | Effective Business Communication             |
|      |                |   | 22U3ENE607  | Media Studies                                |
|      |                |   | 22U3ENE608  | Language through Literature                  |
|      |                |   | 22U3ENE609  | Introduction to Travel writing               |
|      |                |   | 22UENSS01   | Indian Folklore                              |
|      |                |   | 22UENSS02   | Writing Skills                               |
| 2.   | UBC/ UBI/ UBL  | B. B. A. Computer Applications/<br>B. B. A. International Business/<br>B. B. A. Logistics | 22U3BCE501  | Intellectual Property Management             |
|      |                |   | 22U3BCE502  | M-Commerce & Information Technology Services |
|      |                |   | 22U3BCE503  | Consumer Behaviour                           |
|      |                |   | 22U3BCE604  | Services Marketing                           |
|      |                |   | 22U3BCE605  | Enterprise Resource Planning                 |
|      |                |   | 22U3BCE606  | Brand Management                             |
|      |                |   | 22U3BCE607  | Rural marketing                              |
|      |                |   | 22U3BCE608  | Customer Value Management                    |
|      |                |   | 22U3BCE609  | Entrepreneurship & Small Business Management |
| 3.   | UBL            | B. B. A. Logistics  | 22U3BLE502  | Total Quality Management                     |
|      |                |   | 22U3BLE604  | Retail Logistics                             |
|      |                |   | 22U3BLE607  | Principles of Export Management              |
|      |                |   | 22U3CKE501  | Block chain Technology                       |





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|-----------|--------------------------------|---|-------------|--|
| 4.        | UCA/ UIT/<br>UCS               | B. C. A/ B.Sc.<br>Information<br>Technology/<br>B. Sc. Computer<br>Science  | 22U3CKE502  | Next Generation Networks                   |
|           |                                |   | 22U3CKE503  | Internet of Things                         |
|           |                                |   | 22U3CKE504  | Big Data Analytics                         |
|           |                                |   | 22U3CKE605  | Software Quality Assurance                 |
|           |                                |   | 22U3CKE606  | Information Security                       |
|           |                                |   | 22U3CKE607  | Cloud Computing                            |
|           |                                |   | 22U3CKE608  | Cyber Security                             |
|           |                                |   | 22U3CAE609  | Artificial Intelligence                    |
|           |                                |   | 22U3CAE610  | Software Project Management                |
|           |                                |   | 22U3CAE611  | Bioinformatics                             |
|           |                                |   | 22U3CAE612  | Mobile Application Development             |
| 5.        | UCR/ UCB/<br>UCC/ UCI/<br>UCP  | B. Com./<br>B. Com.<br>Banking/<br>B. Com.<br>Computer<br>Applications/<br>B. Com.<br>Information<br>Technology/<br>B. Com.<br>Professional<br>Accounting | 22U3CRE501  | Corporate Tax Planning                     |
|           |                                |   | 22U3CRE502  | Organizational Behaviour                   |
|           |                                |   | 22U3ACE503  | Consumer Affairs                           |
|           |                                |   | 22U3ACE604  | Business Finance                           |
|           |                                |   | 22U3ACE605  | Entrepreneurial Development                |
|           |                                |   | 22U3ACE606  | Supply Chain Management                    |
|           |                                |   | 22U4AC3ED1  | Fundamentals of Accounting                 |
|           |                                |   | 22U4AC3ED2  | Modern Banking                             |
|           |                                |   | 21UACSS01   | Capital Market Operations                  |
| 21UACSS02 | Personal Investment Management |   |             |  |
| 6.        | UCB/ UCC/<br>UCP               | B. Com.<br>Banking/<br>B. Com.<br>Computer<br>Applications/<br>B. Com.<br>Professional<br>Accounting  | 22U3ACE501  | Brand Management                           |
|           |                                |   | 22U3ACE502  | Goods and Service Tax                      |
|           |                                |   | 22U3CBE606  | Financial Services                         |
|           |                                |   | 22U3CBE608  | Indian Capital Market and Financial System |
|           |                                |   | 22U3ACE608  | Financial Markets                          |





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|------|----------------|--|-------------|---|
| 7.   | UCC            | B. Com. Computer Applications  | 22U3CCE609  | E-Commerce                                      |
| 8.   | UCI            | B. Com. Information Technology   | 22U3CIE501  | Banking Law                                     |
|      |                |  | 22U3ACE502  | Goods and Service Tax                           |
|      |                |  | 22U3CIE604  | Networking Management                           |
|      |                |  | 22U3CIE606  | Cloud Computing                                 |
|      |                |  | 22U3ACE607  | Investment Management                           |
|      |                |  | 22U3CIE608  | Software Project Management                     |
|      |                |  | 22U3CIE609  | Auditing  |
| 9.   | UCP            | B. Com. Professional Accounting  | 22U3CPE502  | Corporate Governance and Business Ethics        |
|      |                |  | 22U3CPE609  | Indian Taxation                                 |
| 10.  | UAM/ UIT/ UDT  | B. Sc. Artificial Intelligence and Machine Learning/ B. Sc. Information Technology/ B. Sc. Computer Science (Data Science) | 22U3AME501  | Fundamentals of Robotics                        |
|      |                |  | 22U3AME502  | Introduction to Data Mining Techniques          |
|      |                |  | 22U3CJE503  | Healthcare Analytics                            |
|      |                |  | 22U3AME605  | Ethical Hacking                                 |
|      |                |  | 22U3CKE606  | Information Security                            |
|      |                |  | 22U3AME607  | Introduction to Neural Networks and Fuzzy Logic |
|      |                |  | 22U3CKE609  | Software Engineering                            |
|      |                |  | 22U3CKE610  | Pattern Recognition                             |
|      |                |  | 22U3CKE611  | Software Testing                                |
|      |                |  | 22U3CKE612  | Software Project Management                     |
| 11.  | UBN            | B. Sc. Biochemistry with Nanotechnology  | 20U3BNE 501 | Immunology                                      |
|      |                |  | 20U3BNE 606 | Plant Based Therapeutics                        |
|      |                |  | 20U3BNE 607 | Diagnostic Biochemistry                         |
| 12.  | UBT            | B. Sc. Biotechnology   | 22U3BTE604  | Food Processing Technology                      |
|      |                |  | 22U3BTE605  | Molecular Modelling and Drug Design             |
|      |                |  | 22U3BTE606  | Bioremediation                                  |



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|------|----------------|--|-------------|---|
|      |                |  | 22U3BTE607  | Quality Control and Assurance           |
|      |                |  | 22U3BTE608  | Stem Cell Research                      |
|      |                |  | 22U3BTE609  | Nanoscience and Technology              |
| 13.  | UCH            | B. Sc. Catering Science and Hotel Management | 18UCHSS01   | Bar Tricks                              |
|      |                |  | 18UCHSS02   | Icing Techniques                        |
|      |                |  | 19U3CHE604  | Fast Food Operations                    |
|      |                |  | 18U3CHE605  | Room Division Management                |
|      |                |  | 18U3CHE606  | Catering Management                     |
|      |                |  | 18U3CHE607  | Food Service and Facility Planning      |
|      |                |  | 18U3CHE608  | Event Management                        |
|      |                |  | 20U3CHE609  | Travel and Tourism Management           |
| 14.  | UCS            | B. Sc. Computer Science                      | 22U3CSE612  | Digital Marketing                       |
|      |                |  | 22U4CSS301  | Agile Software Development Technologies |
| 15.  | UDT            | B. Sc. Computer Science (Data Science)       | 22U3DTE501  | Soft Computing                          |
|      |                |  | 22U3DTE502  | Digital Image Processing                |
|      |                |  | 22U3DTE504  | Distributed System Concepts and Design  |
|      |                |  | 22U3DTE605  | Computer Networks                       |
|      |                |  | 22U3DTE606  | Social and Web Media Analytics          |
| 16.  | UCD            | B. Sc. Costume Design and Fashion            | 22U3CDE501  | Fashion Photography                     |
|      |                |  | 22U3CDE502  | Textile Bio - Technology                |
|      |                |  | 22UCDSS01   | Cosmetology                             |
|      |                |  | 22UCDSS02   | Art of Indian Painting                  |
|      |                |  | 22U3CDE607  | Fashion Forecasting                     |
|      |                |  | 22U3CDE608  | Interior Designing                      |
|      |                |  | 22U3CDE609  | Event Management                        |
| 17.  | UDF/UIT        | B. Sc. Digital and Cyber Forensic Science    | 22U3DFE501  | Biometrics and Impression Analysis      |
|      |                |  | 22U3DFE502  | Introduction to Digital Evidences       |





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|------|----------------|---|-------------|---|
|      |                |   | 22U3DFE503  | System Administration                                       |
|      |                |   | 22U3DFE504  | Cloud Infrastructure and Services                           |
|      |                |   | 22U3DFE605  | Web Application Security                                    |
|      |                |   | 22U3DFE606  | Information Technology for Management                       |
|      |                |   | 22U3DFE607  | Intellectual Property Rights and Privacy Laws Cyber Attacks |
|      |                |   | 22U3DFE608  | Cyber Attacks   |
|      |                |   | 22U3DFE609  | Cyber Policing  |
|      |                |   | 22U3DFE610  | M-Commerce  |
|      |                |   | 22U3DFE611  | Artificial Intelligence in Cyber Security                   |
| 18.  | UDF/ UIT       | B. Sc. DCFS/<br>B. Sc. IT                             | 22U4IT3ED1  | Practical in Libre office Suite                             |
|      |                |   | 22U4IT3ED2  | GIMP  |
|      |                |   | 22UITSS01   | Practical in Word Press                                     |
|      |                |   | 22UITSS02   | Quantitative Aptitude                                       |
| 19.. | UEC            | B. Sc.<br>Electronics and<br>Communication<br>Systems | 19U3ECE501  | PC Hardware and Troubleshooting                             |
|      |                |   | 19U3ECE502  | Modern Television Engineering                               |
|      |                |   | 18U3ECE503  | Mobile Computing  |
|      |                |   | 19U3ECE604  | PIC Microcontroller   |
|      |                |   | 19U3ECE605  | Computer Communication and Networks                         |
|      |                |   | 18U3ECE606  | Nano Technology   |
|      |                |   | 18U3ECE607  | Embedded Systems  |
|      |                |   | 19U3ECE608  | Cryptography  |
|      |                |   | 18U3ECE609  | Advanced Communication and Fiber Optics System              |
| 20.  | UFS            | B. Sc. Food<br>Science and<br>Nutrition               | 22U3FSE501  | Food Safety, Sanitation and Hygiene                         |
|      |                |   | 22U3FSE502  | Food Laws and Standards                                     |
|      |                |   | 22U3FSE503  | Food Additives  |
|      |                |   | 22U3FSE604  | Nutrition for Health and Fitness                            |



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|------|----------------|---|-------------|---|
|      |                |   | 22U3FSE605  | Nutrition Education and Counselling           |
|      |                |   | 22U3FSE606  | Food Service Management                       |
|      |                |   | 22U3FSE607  | Food Packaging and Labelling                  |
|      |                |   | 22U3FSE608  | Unit Operations                               |
|      |                |   | 22U3FSE609  | Technology of Plantation crops and spices     |
|      |                |   | 22UFSS01    | Nutrition education and Counselling           |
|      |                |   | 22UFSS02    | Nutrition in Health and Fitness               |
| 21.  | UIT            | B. Sc. Information Technology                 | 22U3ITE610  | Intellectual Property Rights and Privacy Laws |
|      |                |   | 22U3ITE611  | Information Technology for Management         |
|      |                |   | 22U3CKE613  | Digital Marketing                             |
| 22.  | UMC            | B. Sc. Mathematics with Computer Applications | 19U3MCE501  | Digital Electronics and Computer Fundamentals |
|      |                |   | 19U3MCE502  | Discrete Mathematics                          |
|      |                |   | 18U3MCE503  | Finite Element Method                         |
|      |                |   | 19U3MCE604  | Web Designing & Java                          |
|      |                |   | 19U3MCE605  | Automata Theory and Formal Languages          |
|      |                |   | 19U3MCE606  | Fuzzy Logic and Neural networks               |
|      |                |   | 19U3MCE608  | Graph Theory                                  |
|      |                |   | 19U3MCE609  | Linear Algebra                                |
| 23.  | UMB            | B. Sc. Microbiology                           | 22U4MB3ED1  | Mushroom Cultivation Technology               |
|      |                |   | 22U4MB3ED2  | Vermi technology                              |
|      |                |   | 22U4VBOE01  | Design Ecosystem                              |
|      |                |   | 22U3MBE501  | Microbial Biotechnology                       |
|      |                |   | 22U3MBE502  | Soil Microbiology                             |
|      |                |   | 22U3MBE503  | Advances in Microbiology                      |
|      |                |   | 22U3MBE604  | Biosafety and Intellectual Property Rights    |
|      |                |   | 22U3MBE605  | Plant Pathology                               |





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|------|----------------|-----------------------------|-------------|---|
|      |                |                             | 22U3MBE606  | Microbial Quality Control in Food and Pharmaceutical Industries |
|      |                |                             | 22U3MBE607  | Nanobiotechnology   |
|      |                |                             | 22U3MBE608  | Microbiology and Entrepreneurship                               |
|      |                |                             | 22U3MBE609  | Microbial Diagnosis in Health Clinics                           |
| 24.  | UPH            | B. Sc. Physics              | 19U3PHE501  | Material Science  |
|      |                |                             | 18U3PHE502  | Bio - Physics   |
|      |                |                             | 18U3PHE503  | Agriculture Physics   |
|      |                |                             | 19U3PHE604  | Fundamentals of Nano Science                                    |
|      |                |                             | 18U3PHE605  | Optical Fibers and Fiber Optical Communication Systems          |
|      |                |                             | 18U3PHE606  | Astrophysics  |
|      |                |                             | 20U3PHE607  | Semiconductor Fundamentals                                      |
|      |                |                             | 18U3PHE608  | Medical Physics   |
|      |                |                             | 18U3PHE609  | Geo Physics   |
|      |                |                             | 20UPHSS01   | Fundamentals of Energy Physics                                  |
|      |                |                             | 18UPHSS02   | Basic Electronics   |
| 25.  | UVC            | B. Sc. Visual Communication | 22U3VCE501  | Comparative Media Studies                                       |
|      |                |                             | 22U3VCE502  | Script Writing  |
|      |                |                             | 22U3VCE503  | ICT for Development   |
|      |                |                             | 22U3VCE504  | Online Journalism   |
|      |                |                             | 22U3VCE505  | Introduction to Virtual Reality                                 |
|      |                |                             | 22U3VCE506  | Documentary Production  |
|      |                |                             | 22U3VCE607  | Graphic Designing   |
|      |                |                             | 22U3VCE608  | Campaign Planning   |
|      |                |                             | 22U3VCE609  | Community Media   |
|      |                |                             | 22U4VC3ED1  | Film Production Practical                                       |
|      |                |                             | 22U4VC3ED2  | Photography Practical   |
|      |                |                             | 22UVCSS01   | Desk Top Publishing   |



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|------------|-------------------------|-----------------------------|-------------|---|
|            |                         |                             | 22UVCSS02   | Art Direction                                   |
| 26.        | PEN                     | M. A. English Literature    | 22PGENSS03  | English Literature for Competitive Examinations |
|            |                         |                             | 22PGENSS04  | Introduction to E-publishing- Copy Editing      |
|            |                         |                             | 22PGENE101  | Principles of Criticism                         |
|            |                         |                             | 22PGENE102  | Modern World Drama                              |
|            |                         |                             | 22PGENE103  | Language and Documentation                      |
|            |                         |                             | 22PGENE201  | Literature and War                              |
|            |                         |                             | 22PGENE202  | Food Culture and Literature                     |
|            |                         |                             | 22PGENE203  | Partition Literature                            |
|            |                         |                             | 22PGENE301  | Business English                                |
|            |                         |                             | 22PGENE302  | Academic Writing                                |
|            |                         |                             | 22PGENE303  | Translation Practice                            |
|            |                         |                             | 22PGENE401  | Disability Studies                              |
|            |                         |                             | 22PGENE402  | Post-Colonial Travelogue                        |
| 22PGENE403 | Fourth World Literature |                             |             |   |
| 27.        | CFC                     | M. Com. Finance and Control | 22PGCFE101  | Financial Markets and Institutions              |
|            |                         |                             | 22PGCFE102  | Business Environment                            |
|            |                         |                             | 22PGCFE103  | Indirect Taxation                               |
|            |                         |                             | 22PGCFE204  | Indian Stock Exchanges                          |
|            |                         |                             | 22PGCFE205  | Strategic Management                            |
|            |                         |                             | 22PGCFE206  | Modern Banking                                  |
|            |                         |                             | 22PGCFE307  | Futures and Options                             |
|            |                         |                             | 22PGCFE308  | Human Resource Management                       |
|            |                         |                             | 22PGCFE309  | Insurance and Risk Management                   |
|            |                         |                             | 22PGCFE410  | Fundamental and Technical Analysis              |
|            |                         |                             | 22PGCFE411  | Derivatives and Risk Management                 |





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|------------|-----------------|----------------------|-------------|---|
|            |                 |                      | 22PGCFE412  | Entrepreneurship and New Venture Planning                   |
| 28.        | PSW             | M. S. W.             | 22PGSWE101  | Social Work Perspectives for Person with Disabilities       |
|            |                 |                      | 22PGSWE102  | Disaster Management   |
|            |                 |                      | 21PGSWE103  | Indian Legal System   |
|            |                 |                      | 22PGSWE201  | Human Rights and Social Legislation                         |
|            |                 |                      | 22PGSWE202  | Digital Literacy  |
|            |                 |                      | 22PGSWE203  | Geriatric Social Work                                       |
|            |                 |                      | 22PGSWE301  | Social Entrepreneurship and Corporate Social Responsibility |
|            |                 |                      | 22PGSWE302  | Entrepreneurship and Innovations                            |
|            |                 |                      | 22PGSWE303  | Social work with Transgender                                |
|            |                 |                      | 22PGSWE401  | Counselling and Guidance                                    |
|            |                 |                      | 22PGSWE402  | Legal Aspects of Business                                   |
|            |                 |                      | 22PGSWE403  | Social Inclusion and Exclusion                              |
|            |                 |                      | 22PGSWSS01  | NGO Management  |
|            |                 |                      | 22PGSWSS02  | Youth Development   |
|            |                 |                      | 22PGSWSS03  | Welfare of Women & Children                                 |
| 22PGSWSS04 | Social Problems |                      |             |   |
| 22PGSWSS05 | Family Welfare  |                      |             |   |
| 28.        | PBT             | M. Sc. Biotechnology | 22PGBTE101  | Environmental Biotechnology                                 |
|            |                 |                      | 22PGBTE102  | Bio Entrepreneurship  |
|            |                 |                      | 22PGBTE201  | Agricultural Biotechnology                                  |
|            |                 |                      | 22PGBTE202  | Downstream Processing                                       |
|            |                 |                      | 22PGBTE203  | Applied Biostatistics                                       |
|            |                 |                      | 22PGBTE301  | Food Biotechnology  |
|            |                 |                      | 22PGBTE302  | Quality Control and Assurance                               |
|            |                 |                      | 22PGBTE303  | Bioinformatics and Molecular Biology Databases              |





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|------------|-------------------------------------|-----------------------------------|-------------|---|
|            |                                     |                                   | 22PGBTE401  | Clinical Pathology and Diagnosis                                  |
|            |                                     |                                   | 22PGBTE402  | Occupational Health and Industrial Safety                         |
|            |                                     |                                   | 22PGBTE403  | Drug designing and Molecular Modelling                            |
|            |                                     |                                   | 22PGBTSS01  | Cell Communication and Cell Signalling Advance Learner Course - I |
|            |                                     |                                   | 22PGBTSS02  | Diversity of Life Forms Advance Learner Course - II               |
|            |                                     |                                   | 22PGBTSS03  | Ecological Principles Advance Learner Course - III                |
|            |                                     |                                   | 22PGBTSS04  | Applied Biology Advance Learner Course - IV                       |
|            |                                     |                                   | 22PGBTSS05  | Histochemical and Immunological Techniques                        |
| 30.        | PFN                                 | M. Sc. Food Science and Nutrition | 22PGFNE101  | E - Convenience Foods   |
|            |                                     |                                   | 22PGFNE102  | E - Institutional Food Management                                 |
|            |                                     |                                   | 22PGFNE208  | Nutrition in Disease - II   |
|            |                                     |                                   | 22PGFNE201  | E - Food Packaging  |
|            |                                     |                                   | 22PGFNE202  | E - Nutrigenomics   |
|            |                                     |                                   | 22PGFNE203  | E - Instrumentation in Food Processing                            |
|            |                                     |                                   | 22PGFNE301  | E - Food Quality and Safety Analysis                              |
|            |                                     |                                   | 22PGFNE302  | E - Culinary Techniques   |
|            |                                     |                                   | 22PGFNE303  | E - Food Product Development and Marketing                        |
|            |                                     |                                   | 22PGFNE403  | E - Food Industrial Waste Management                              |
|            |                                     |                                   | 22PGFNSS01  | Food Toxicology   |
|            |                                     |                                   | 22PGFNSS02  | Bakery and Confectionary  |
|            |                                     |                                   | 22PGFNSS03  | Food Quality Management   |
| 22PGFNSS04 | Entrepreneurship in Food Processing |                                   |             |   |
| 31.        | PMB                                 | M. Sc. Microbiology               | 22PGMBE101  | Principles of Quality Assurance in Food                           |
|            |                                     |                                   | 22PGMBE102  | Diagnostic Microbiology   |
|            |                                     |                                   | 22PGMBE103  | Fundamentals of Plant Tissue Culture                              |





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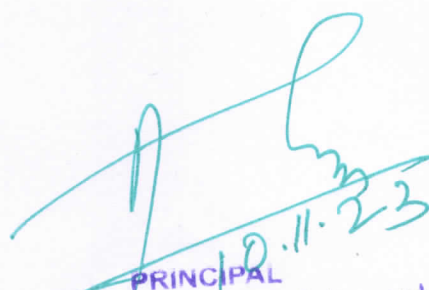
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| S.No | Programme Code | Programme Name | Course Code | Elective Course Name                               |
|------|----------------|----------------|-------------|--|
|      |                |                | 22PGMBE201  | Principles of Quality Assurance in Pharmaceuticals |
|      |                |                | 22PGMBE202  | Techniques in Parasitology                         |
|      |                |                | 22PGMBE203  | Fundamentals of Animal Tissue Culture              |
|      |                |                | 23PGMBE301  | Total Quality Management (TQM)                     |
|      |                |                | 22PGMBE302  | Human Anatomy and Physiology                       |
|      |                |                | 22PGMBE303  | Techniques in Plant and Animal Tissue Culture      |
|      |                |                | 22PMBSS01   | Cellular Organization                              |
|      |                |                | 22PMBSS02   | Cell Communication and Cell Signalling             |
|      |                |                | 22PMBSS03   | Developmental Biology                              |
|      |                |                | 22PMBSS04   | Inheritance Biology                                |
|      |                |                | 22PMBSS05   | Evolution and Behaviour                            |



  
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| VALUE BASED OPEN ELECTIVE COURSES |             |  |
|-----------------------------------|-------------|--|
| S.No                              | Course Code | Elective Course Name                               |
| 1.                                | 22U4VBOE01  | Design Ecosystem                                   |
| 2.                                | 22U4VBOE02  | Design Thinking                                    |
| 3.                                | 22U4VBOE03  | Disaster Management                                |
| 4.                                | 22U4VBOE04  | Environmental Pollution and Waste Management (EMS) |
| 5.                                | 22U4VBOE05  | History of Ancient India                           |
| 6.                                | 22U4VBOE06  | Indian Knowledge System                            |
| 7.                                | 22U4VBOE07  | Principles of IPR                                  |
| 8.                                | 22U4VBOE08  | Science, Society and Culture                       |
| 9.                                | 22U4VBOE09  | Community Engagement                               |
| 10.                               | 22U4VBOE10  | Emotional Intelligence                             |
| 11.                               | 22U4VBOE11  | Fundamentals of Tourism                            |
| 12.                               | 22U4VBOE12  | Health Education                                   |
| 13.                               | 22U4VBOE13  | Media and Politics                                 |
| 14.                               | 22U4VBOE14  | Positive Psychology and Work Life                  |
| 15.                               | 22U4VBOE15  | Professional Ethics                                |
| 16.                               | 22U4VBOE16  | The Science of Happiness                           |



  
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