



National Programme on Technology Enhanced Learning

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NPTEL Video Courses Information in Supplementary Formats

(Document Last Updated : October 24, 2022)

| No | NPTEL Information Summary | Status | Courses | Lectures |
|----|--|-----------|---------|----------|
| 1 | NPTEL Video Courses (2003 to December 2022) | Completed | 2143 | 98,481 |
| 2 | NPTEL Video Courses (PDF Transcription) | Completed | 1836 | 81,280 |
| 3 | NPTEL Video Courses (SRT Subtitle Transcription) | Completed | 1815 | 80,020 |

DIGIMAT Assistive Technology Platform

The HTML-5 based Assistive Technology Platform for Streaming

98,481 NPTEL Video Lectures in LAN / WiFi (PCs, Laptops, Smartphones & Tablets)

<https://www.digimat.in>

<https://www.digimat.in>



NPTEL VIDEO COURSES INFORMATION IN SUPPLEMENTARY FORMATS

PDF Transcriptions, HTML-5 Support, Video Sub-Titles (for Media Player / Web), Video Size

Total NPTEL Video Courses : 2,143 | Total NPTEL Video Lectures : 98,481 (Updated: October 24, 2022)

| No. | ID | Name of the Engineering Discipline | Total Video Courses | Total Video Lectures | Size (GB) |
|---------|-----|---|---------------------|----------------------|-----------|
| 1 | 101 | Aerospace Engineering | 53 | 2,502 | 860 |
| 2 | 102 | Biotechnology | 79 | 3,369 | 1,353 |
| 3 | 103 | Chemical Engineering | 114 | 5,260 | 2,103 |
| 4 | 104 | Chemistry and Biochemistry | 97 | 4,488 | 2,003 |
| 5 | 105 | Civil Engineering | 175 | 8,063 | 2,574 |
| 6 | 106 | Computer Science and Engineering | 197 | 10,128 | 2,886 |
| 7 | 107 | Engineering Design | 18 | 701 | 313 |
| 8 | 108 | Electrical Engineering | 188 | 10,030 | 3,395 |
| 9 | 109 | Humanities and Social Sciences | 187 | 7,358 | 2,960 |
| 10 | 110 | Management | 149 | 7,133 | 1,982 |
| 11 | 111 | Mathematics | 154 | 7,790 | 2,161 |
| 12 | 112 | Mechanical Engineering | 259 | 10,606 | 3,272 |
| 13 | 113 | Metallurgy and Material Science | 82 | 3,572 | 1,120 |
| 14 | 114 | Ocean Engineering | 29 | 1,371 | 545 |
| 15 | 115 | Physics | 87 | 4,336 | 1,453 |
| 16 | 116 | Textile Engineering | 14 | 459 | 290 |
| 17 | 117 | Electronics and Communication Engineering | 94 | 4,187 | 1,083 |
| 18 | 118 | Nanotechnology | 2 | 85 | 54 |
| 19 | 119 | Atmospheric Science | 3 | 121 | 51 |
| 20 | 121 | General | 12 | 372 | 241 |
| 21 | 122 | Basic Courses (Semester 1 and 2) | 21 | 657 | 170 |
| 22 | 123 | Mining Engineering | 6 | 276 | 51 |
| 23 | 124 | Architecture | 26 | 1,066 | 287 |
| 24 | 126 | Agriculture | 24 | 1,266 | 241 |
| 25 | 127 | Multi-Disciplinary | 35 | 1,559 | 492 |
| 26 | 128 | Special Lecture Series | 19 | 730 | 407 |
| 27 | 129 | Law | 7 | 325 | 34 |
| 28 | 130 | Economics | 6 | 405 | 29 |
| 29 | MC | Medical Courses | 6 | 266 | 40 |
| Total : | | | 2,143 | 98,481 | 32,450 |

| No | Course ID | Lec | Name of the NPTEL Video Course | PDF | HT5 | VST | SIZE (GB) |
|---|---------------------------|-----|---|-----|-----|-----|-----------|
| Discipline : Aerospace Engineering Go to Top | | | | | | | |
| Video Lecture Topics @ http://www.digimat.in/downloads/topics/aerospace-engineering.pdf | | | | | | | |
| 1 | 101101001 | 40 | Introduction to Aerospace Propulsion | Y | Y | Y | 35 |
| 2 | 101101002 | 42 | Jet Aircraft Propulsion | Y | Y | Y | 30 |
| 3 | 101101058 | 40 | Turbomachinery Aerodynamics | Y | Y | Y | 21 |
| 4 | 101104005 | 26 | Aero elasticity | Y | Y | Y | 9.2 |
| 5 | 101104013 | 40 | Foundation of Scientific Computing | Y | Y | Y | 8.1 |
| 6 | 101104015 | 39 | Instability and Transition of Fluid Flows | Y | Y | Y | 17 |
| 7 | 101104017 | 26 | Introduction to Helicopter Aerodynamics and Dynamics | Y | Y | Y | 16 |
| 8 | 101104018 | 40 | Introduction to Propulsion | Y | Y | Y | 16 |
| 9 | 101104019 | 40 | Jet and Rocket Propulsion | Y | Y | Y | 15 |
| 10 | 101105024 | 40 | High Speed Aero Dynamics | Y | Y | Y | 12 |
| 11 | 101105030 | 45 | Space Flight Mechanics | Y | Y | Y | 13 |
| 12 | 101105059 | 46 | Introduction to Aerodynamics | Y | Y | Y | 15 |
| 13 | 101106031 | 41 | Acoustic Instabilities in Aerospace Propulsion | Y | Y | Y | 17 |
| 14 | 101106033 | 42 | Aerospace Propulsion | Y | Y | Y | 20 |
| 15 | 101106042 | 41 | Flight Dynamics II (Stability) | Y | Y | Y | 17 |
| 16 | 101106044 | 54 | Gas Dynamics | Y | Y | Y | 24 |
| 17 | 101106045 | 39 | Introduction to CFD | Y | Y | Y | 16 |
| 18 | 101108047 | 40 | Advanced Control System Design for Aerospace Vehicles | Y | Y | Y | 19 |
| 19 | 101108057 | 40 | Optimal Control, Guidance and Estimation | Y | Y | Y | 11 |
| 20 | 101104061 | 48 | NOC:Introduction to Airplane Performance | Y | Y | Y | 3.4 |
| 21 | 101104062 | 60 | NOC:Stability and Control of Aircraft | Y | Y | Y | 4.7 |
| 22 | 101106037 | 51 | Combustion | Y | Y | Y | 50 |
| 23 | 101104064 | 43 | NOC:Aircraft Dynamic Stability and Design Stability Augmentation System | Y | Y | Y | 3.2 |
| 24 | 101104063 | 38 | NOC:Engineering Thermodynamics (2016) | Y | Y | Y | 4.6 |
| 25 | 101104066 | 21 | NOC:Introduction to Experiments in Flight | Y | Y | Y | 1.3 |
| 26 | 101104065 | 40 | NOC:Introduction to Ancient Indian Technology | Y | Y | Y | 3.4 |
| 27 | 101104067 | 58 | NOC:Engineering Thermodynamics (2017) | Y | Y | Y | 2.5 |
| 28 | 101108068 | 62 | NOC:Combustion in Air Breathing Aero Engines | Y | Y | Y | 16 |
| 29 | 101104069 | 46 | NOC:Aircraft Design | Y | Y | Y | 4.8 |
| 30 | 101104071 | 14 | NOC:Aircraft Maintenance | Y | Y | Y | 5.2 |
| 31 | 101104070 | 40 | NOC:Fundamentals of Combustion - Part I | Y | Y | Y | 8.5 |
| 32 | 101104072 | 40 | NOC:Fundamentals of Combustion - Part II | Y | Y | Y | 8.4 |
| 33 | 101104073 | 23 | NOC:Design of Fixed Wing Unmanned Aerial Vehicles | Y | Y | Y | 8.6 |
| 34 | 101104074 | 40 | NOC:Introduction to Finite Volume Methods-I | Y | Y | Y | 16 |

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|----|---------------------------|-----|---|-----|---|-----|-----|
| 35 | 101104075 | 28 | NOC:Advance Aircraft Maintenance | Y | Y | Y | 19 |
| 36 | 101104076 | 40 | NOC:Introduction to Finite Volume Methods-II | Y | Y | Y | 16 |
| 37 | 101105077 | 73 | NOC:Satellite Attitude Dynamics and Control | Y | Y | Y | 25 |
| 38 | 101101079 | 67 | NOC:Introduction to Aerospace Engineering | Y | Y | Y | 34 |
| 39 | 101104078 | 60 | NOC:Introduction to Rocket Propulsion | --- | Y | Y | 15 |
| 40 | 101105081 | 40 | NOC:Vibration and Structural Dynamics | --- | Y | Y | 11 |
| 41 | 101106082 | 36 | NOC:Rocket Propulsion | Y | Y | Y | 77 |
| 42 | 101105084 | 42 | NOC:Aircraft Structures - I | Y | Y | Y | 21 |
| 43 | 101104084 | 60 | NOC:Introduction to Airbreathing Propulsion | Y | Y | Y | 41 |
| 44 | 101101083 | 86 | NOC:Introduction to Aircraft Design | Y | Y | Y | 9.0 |
| 45 | 101105085 | 65 | NOC:Introduction to CFD | --- | Y | --- | 30 |
| 46 | 101105083 | 99 | NOC:Space Flight Mechanics | Y | Y | Y | 52 |
| 47 | 101104083 | 26 | NOC:UAV Design - Part II | Y | Y | Y | 9.1 |
| 48 | 101101086 | 36 | NOC:Introduction to Launch Vehicle Analysis and Design | Y | Y | Y | 2.2 |
| 49 | 101101087 | 121 | NOC:Lighter than Air Systems | Y | Y | Y | 2.9 |
| 50 | 101104086 | 40 | NOC:Computational Science in Engineering | Y | Y | Y | 3.1 |
| 51 | 101108086 | 60 | NOC:Gasdynamics: Fundamentals and Applications | Y | Y | Y | 5.7 |
| 52 | 101105088 | 69 | NOC:Fundamentals of Theoretical and Experimental Aerodynamics | --- | Y | --- | 6.5 |
| 53 | 101105089 | 69 | NOC:Aerodynamic Design of Axial Flow Compressors and Fans | --- | Y | --- | 8.8 |

Discipline : Biotechnology

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Video Lecture Topics @ <http://www.digimat.in/downloads/topics/biotechnology.pdf>

| | | | | | | | |
|----|---------------------------|----|---|---|---|---|-----|
| 1 | 102101003 | 39 | Biomathematics | Y | Y | Y | 29 |
| 2 | 102101007 | 40 | Proteomics: Principles and Techniques | Y | Y | Y | 34 |
| 3 | 102102033 | 28 | Enzyme Science and Engineering | Y | Y | Y | 4.9 |
| 4 | 102104042 | 40 | Animal Physiology | Y | Y | Y | 15 |
| 5 | 102104043 | 40 | Bio electricity | Y | Y | Y | 12 |
| 6 | 102106022 | 36 | Downstream Processing | Y | Y | Y | 17 |
| 7 | 102106026 | 40 | Thermodynamics | Y | Y | Y | 17 |
| 8 | 102107028 | 41 | Analytical Technologies in Biotechnology | Y | Y | Y | 24 |
| 9 | 102101050 | 21 | NOC:Mass spectrometry based proteomics | Y | Y | Y | 1.5 |
| 10 | 102106048 | 20 | NOC:Principles of Downstream techniques in Bioprocess | Y | Y | Y | 2.4 |
| 11 | 102101049 | 21 | NOC:Proteins and Gel-Based Proteomics | Y | Y | Y | 1.7 |
| 12 | 102106051 | 40 | NOC:Biostatistics and Design of Experiments | Y | Y | Y | 14 |
| 13 | 102106053 | 21 | NOC:Bioreactors | Y | Y | Y | 5.3 |
| 14 | 102104052 | 15 | NOC:Human Molecular Genetics | Y | Y | Y | 1.2 |
| 15 | 102101054 | 40 | NOC:Interactomics: Protein Arrays and Label-free Biosensors | Y | Y | Y | 28 |
| 16 | 102106057 | 40 | NOC:Medical Biomaterials | Y | Y | Y | 15 |
| 17 | 102104056 | 19 | NOC:Functional Genomics | Y | Y | Y | 1.6 |

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|----|---------------------------|-----|--|---|---|----|-----|
| 18 | 102101056 | 40 | NOC:Introduction to Biostatistics | Y | Y | Y | 18 |
| 19 | 102103056 | 24 | NOC:Introduction to Dynamical Models in Biology | Y | Y | Y | 5.2 |
| 20 | 102104057 | 40 | NOC:Bioenergy | Y | Y | Y | 2.2 |
| 21 | 102107058 | 20 | NOC:Biomedical Nanotechnology | Y | Y | Y | 4.7 |
| 22 | 102101058 | 40 | NOC:Introduction to Mechanobiology | Y | Y | Y | 34 |
| 23 | 102104058 | 60 | NOC:Animal Physiology | Y | Y | Y | 2.3 |
| 24 | 102104059 | 40 | NOC:Cell Culture Technologies | Y | Y | Y | 1.4 |
| 25 | 102104060 | 40 | NOC:Forest Biometry | Y | Y | Y | 1.8 |
| 26 | 102105058 | 60 | NOC:Industrial Biotechnology | Y | Y | Y | 15 |
| 27 | 102106066 | 18 | NOC:Demystifying the Brain | Y | Y | Y | 30 |
| 28 | 102104061 | 20 | NOC:Introduction To Professional and Scientific Communication | Y | Y | Y | 5.3 |
| 29 | 102104062 | 20 | NOC:Bioelectrochemistry | Y | Y | Y | 3.9 |
| 30 | 102104063 | 20 | NOC:Bioenergetics Of Life Processes | Y | Y | Y | 3.9 |
| 31 | 102101067 | 40 | NOC:Introductory Mathematical Methods for Biologists | Y | Y | Y | 36 |
| 32 | 102101055 | 40 | NOC:Introduction to Proteomics | Y | Y | Y | 16 |
| 33 | 102106065 | 69 | NOC:BioInformatics:Algorithms and Applications | Y | Y | Y | 34 |
| 34 | 102105064 | 60 | NOC:Aspects Of Biochemical Engineering | Y | Y | Y | 16 |
| 35 | 102101068 | 40 | NOC:Bioengineering: An Interface with Biology and Medicine | Y | Y | Y | 35 |
| 36 | 102104068 | 40 | NOC:Wildlife Conservation | Y | Y | Y | 13 |
| 37 | 102104069 | 40 | NOC:Nanotechnology in Agriculture | Y | Y | Y | 6.4 |
| 38 | 102105068 | 20 | NOC:Biomicrofluidics | Y | Y | Y | 5.7 |
| 39 | 102106068 | 103 | NOC:Computational Systems Biology | Y | Y | Y | 126 |
| 40 | 102106069 | 69 | NOC:Material and Energy Balances | Y | Y | Y | 60 |
| 41 | 102106070 | 40 | NOC:Computer Aided Drug Design | Y | Y | Y | 38 |
| 42 | 102101072 | 40 | NOC:Applications of Interactomics using Genomics and Proteomics Technologies | Y | Y | Y | 42 |
| 43 | 102104073 | 36 | NOC:Wild Life Ecology | Y | Y | Y. | 25 |
| 44 | 102108071 | 20 | NOC:Learning about Learning: A Course on Neurobiology of Learning and Memory | Y | Y | Y | 3.8 |
| 45 | 102101076 | 80 | NOC:Introduction to Proteogenomics | Y | Y | Y | 55 |
| 46 | 102103074 | 41 | NOC:Genetic Engineering: Theory and Application | Y | Y | Y | 34 |
| 47 | 102106080 | 29 | NOC:Plant Cell Bioprocessing | Y | Y | Y | 39 |
| 48 | 102106081 | 37 | NOC:Tissue Engineering | Y | Y | Y | 53 |
| 49 | 102107075 | 20 | NOC:Plant Developmental Biology | Y | Y | Y | 3.3 |
| 50 | 102108077 | 63 | NOC:Drug Delivery: Principles and Engineering | Y | Y | Y | 9.5 |
| 51 | 102108078 | 61 | NOC:Fundamentals of Micro and Nanofabrication | Y | Y | Y | 14 |
| 52 | 102104082 | 36 | NOC:Forests and their Management | Y | Y | Y | 36 |
| 53 | 102101082 | 60 | NOC:Interactomics: Basics and Applications | Y | Y | Y | 58 |
| 54 | 102108082 | 58 | NOC:Optical Spectroscopy and Microscopy: Fundamentals of | Y | Y | Y | 11 |

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|----|---------------------------|----|---|-----|---|-----|-----|
| | | | Optical Measurements and Instrumentation | | | | |
| 55 | 102106082 | 87 | NOC:Thermodynamics for Biological Systems: Classical and Statistical Aspect | Y | Y | Y | 39 |
| 56 | 102103083 | 45 | NOC:Experimental Biotechnology | Y | Y | Y | 26 |
| 57 | 102105083 | 60 | NOC:Immunology | --- | Y | --- | 23 |
| 58 | 102106084 | 28 | NOC:Introduction to Developmental Biology | Y | Y | Y | 5.4 |
| 59 | 102106083 | 81 | NOC:Transport Phenomena in Biological Systems | Y | Y | Y | 11 |
| 60 | 102103086 | 24 | NOC:Biointerface Engineering | --- | Y | --- | 3.2 |
| 61 | 102104086 | 36 | NOC:Conservation Economics | Y | Y | Y | 11 |
| 62 | 102105086 | 37 | NOC:Metabolic Engineering | Y | Y | Y | 4.2 |
| 63 | 102105087 | 63 | NOC:Environmental Chemistry and Microbiology | Y | Y | Y | 6.8 |
| 64 | 102106086 | 40 | NOC:Bioreactor Design and Analysis | Y | Y | --- | 2.6 |
| 65 | 102106087 | 34 | NOC:Biochemistry (IITM) | Y | Y | --- | 3.9 |
| 66 | 102107086 | 60 | NOC:Structural Biology | --- | Y | --- | 20 |
| 67 | 102108086 | 33 | NOC:Cell Biology: Cellular Organization, Division and Processes | Y | Y | Y | 2.9 |
| 68 | 102104088 | 36 | NOC:Conservation Geography | Y | Y | Y | 8.4 |
| 69 | 102105088 | 52 | NOC:Environmental Biotechnology | --- | Y | --- | 8.3 |
| 70 | 102105089 | 60 | NOC:Fundamentals of Protein Chemistry | --- | Y | --- | 5.3 |
| 71 | 102105090 | 53 | NOC:Introduction to Biomedical Imaging Systems | --- | Y | --- | 7.1 |
| 72 | 102101091 | 61 | NOC:Maternal Infant Young Child Nutrition | Y | Y | Y | 8.0 |
| 73 | 102103091 | 50 | NOC:Basics of Biology | Y | Y | Y | 9.8 |
| 74 | 102103092 | 49 | NOC:Data Analysis for Biologists | Y | Y | Y | 8.3 |
| 75 | 102103093 | 49 | NOC:Genome Editing and Engineering | --- | Y | --- | 4.8 |
| 76 | 102106093 | 60 | NOC:Cellular Biophysics: A Framework for Quantitative Biology | --- | Y | --- | 3.3 |
| 77 | 102106094 | 51 | NOC:Medical Image Analysis | --- | Y | --- | 3.6 |
| 78 | 102106095 | 37 | NOC:Organ Printing | --- | Y | --- | 3.3 |
| 79 | 102106096 | 58 | NOC:Introduction to Cell Biology | --- | Y | --- | 3.0 |

Discipline : Chemical Engineering

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Video Lecture Topics @ <http://www.digimat.in/downloads/topics/chemical-engineering.pdf>

| | | | | | | | |
|---|---------------------------|----|---|---|---|---|----|
| 1 | 103101001 | 41 | Advanced Chemical Reaction Engineering (PG) | Y | Y | Y | 31 |
| 2 | 103101003 | 26 | Advanced Process Control | Y | Y | Y | 34 |
| 3 | 103101008 | 39 | Chemical Reaction Engineering II | Y | Y | Y | 34 |
| 4 | 103101111 | 49 | Advanced Numerical Analysis | Y | Y | Y | 41 |
| 5 | 103102012 | 40 | Heterogeneous Catalysis and Catalytic Processes | Y | Y | Y | 19 |
| 6 | 103103034 | 39 | Mass Transfer Operations I | Y | Y | Y | 14 |
| 7 | 103103039 | 46 | Process Design Decisions and Project Economics | Y | Y | Y | 27 |
| 8 | 103104044 | 40 | Fluid Mechanics | Y | Y | Y | 15 |
| 9 | 103104046 | 40 | Mass Transfer II | Y | Y | Y | 16 |

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|----|---------------------------|-----|---|---|---|---|-----|
| 10 | 103104050 | 41 | Plantwide Control of Chemical Processes | Y | Y | Y | 16 |
| 11 | 103105054 | 40 | Biochemical Engineering | Y | Y | Y | 8.5 |
| 12 | 103105057 | 40 | Microscale Transport Processes | Y | Y | Y | 12 |
| 13 | 103105059 | 40 | Multiphase Flow | Y | Y | Y | 11 |
| 14 | 103105061 | 41 | Novel Separation Processes | Y | Y | Y | 19 |
| 15 | 103105064 | 44 | Process Control and Instrumentation | Y | Y | Y | 11 |
| 16 | 103105066 | 40 | Instability and Patterning of Thin Polymer Films | Y | Y | Y | 12 |
| 17 | 103105106 | 41 | Advanced Mathematical Techniques in Chemical Engineering | Y | Y | Y | 12 |
| 18 | 103106070 | 35 | Chemical Engineering Thermodynamics | Y | Y | Y | 3.1 |
| 19 | 103106073 | 47 | Computational Fluid Dynamics | Y | Y | Y | 21 |
| 20 | 103106074 | 40 | Computational Techniques | Y | Y | Y | 20 |
| 21 | 103106103 | 40 | Particle Characterization (PG) | Y | Y | Y | 16 |
| 22 | 103106113 | 45 | Multiphase flows:Analytical solutions and Stability Analysis | Y | Y | Y | 34 |
| 23 | 103106114 | 59 | NOC:Introduction to Time-Frequency Analysis and Wavelet Transforms | Y | Y | Y | 5.3 |
| 24 | 103107081 | 40 | Chemical Technology - I | Y | Y | Y | 29 |
| 25 | 103107093 | 43 | Process Integration | Y | Y | Y | 55 |
| 26 | 103108097 | 40 | Chemical Reaction Engineering | Y | Y | Y | 16 |
| 27 | 103108098 | 40 | Fundamentals of Transport Processes | Y | Y | Y | 19 |
| 28 | 103108099 | 40 | Fundamentals of Transport Processes - II | Y | Y | Y | 9.2 |
| 29 | 103108100 | 43 | Modern Instrumental Methods of Analysis | Y | Y | Y | 20 |
| 30 | 103106112 | 55 | Statistics for Experimentalists | Y | Y | Y | 28 |
| 31 | 103106118 | 45 | NOC:MATLAB Programming for Numerical Computation | Y | Y | Y | 9.9 |
| 32 | 103106115 | 39 | Chemical Engineering Principles of CVD Processes | Y | Y | Y | 18 |
| 33 | 103106119 | 62 | NOC:Computational Fluid Dynamics | Y | Y | Y | 21 |
| 34 | 103105121 | 20 | NOC:Introduction to Process Modeling in Membrane Separation Process | Y | Y | Y | 5.2 |
| 35 | 103106120 | 19 | NOC:Introduction to Statistical Hypothesis Testing | Y | Y | Y | 6.4 |
| 36 | 103106116 | 60 | Chemical Reaction Engineering 1 (Homogeneous Reactors) | Y | Y | Y | 59 |
| 37 | 103106117 | 43 | Chemical Reaction Engineering 2 (Heterogeneous Reactors) | Y | Y | Y | 41 |
| 38 | 103105122 | 40 | NOC:Soft Nano Technology | Y | Y | Y | 10 |
| 39 | 103105124 | 25 | NOC:Adiabatic Two-Phase Flow & Flow Boiling in Microchannel | Y | Y | Y | 6.0 |
| 40 | 103107123 | 20 | Mechanical Operations | Y | Y | Y | 4.3 |
| 41 | 103108124 | 41 | NOC:Atomic and Molecular Absorption Spectrometry for Pollution Monitoring | Y | Y | Y | 8.7 |
| 42 | 103106123 | 112 | NOC:Applied Time-Series Analysis | Y | Y | Y | 30 |
| 43 | 103107125 | 40 | NOC:Waste to Energy Conversion | Y | Y | Y | 11 |
| 44 | 103108123 | 71 | NOC:Transport Processes I: Heat and Mass Transfer | Y | Y | Y | 12 |
| 45 | 103108127 | 38 | NOC:Trace and Ultra-trace Analysis of Metals using Atomic Absorption Spectrometry | Y | Y | Y | 11 |
| 46 | 103101127 | 40 | NOC:Introduction to Evolutionary Dynamics | Y | Y | Y | 35 |

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|----|---------------------------|-----|--|---|---|-----|-----|
| 47 | 103105127 | 65 | NOC:Phase Equilibrium Thermodynamics | Y | Y | Y | 5.0 |
| 48 | 103105128 | 60 | NOC:Transport Phenomena | Y | Y | Y | 18 |
| 49 | 103107127 | 20 | NOC:Unit Operations of Particulate Matter | Y | Y | Y | 3.9 |
| 50 | 103106131 | 63 | NOC:Rheology of Complex Materials | Y | Y | Y | 30 |
| 51 | 103103135 | 12 | NOC:Measurement Technique in Multiphase Flows | Y | Y | Y | 3.3 |
| 52 | 103103133 | 12 | NOC:An Introduction to Cardiovascular Fluid Mechanics | Y | Y | Y | 1.1 |
| 53 | 103108138 | 22 | NOC:Inductive Couple Plasma Atomic Emmission Spectrometry (ICP-AES) for Pollution Monitoring | Y | Y | Y | 5.9 |
| 54 | 103103134 | 24 | NOC:Multiphase Microfluidics | Y | Y | Y | 4.0 |
| 55 | 103104129 | 51 | NOC:Thermodynamics Of Fluid Phase Equilibria | Y | Y | Y | 7.2 |
| 56 | 103101137 | 60 | NOC:Heat Transfer | Y | Y | Y | 24 |
| 57 | 103103132 | 31 | NOC:Fluidization Engineering | Y | Y | Y | 4.5 |
| 58 | 103105130 | 60 | NOC:Chemical Process Instrumentation | Y | Y | Y | 16 |
| 59 | 103103136 | 22 | NOC:Multiphase Flows | Y | Y | Y | 6.7 |
| 60 | 103103139 | 24 | NOC:Introduction to Polymer Physics (IIT-G) | Y | Y | Y | 11 |
| 61 | 103103140 | 22 | NOC:Natural Gas Engineering | Y | Y | Y | 8.3 |
| 62 | 103105139 | 60 | NOC:Optimization in Chemical Engineering | Y | Y | Y | 19 |
| 63 | 103105140 | 60 | NOC:Heat Transfer (2018) | Y | Y | Y | 18 |
| 64 | 103107139 | 60 | NOC:Introduction to Polymer Physics (IIT-R) | Y | Y | Y | 11 |
| 65 | 103108139 | 21 | NOC:Infrared Spectroscopy for Pollution Monitoring | Y | Y | Y | 5.2 |
| 66 | 103101141 | 60 | NOC:Chemical Reaction Engineering-II | Y | Y | Y. | 37 |
| 67 | 103101142 | 48 | NOC:Chemical Process Control | Y | Y | Y | 17 |
| 68 | 103103144 | 42 | NOC:Chemical Engineering Thermodynamics | Y | Y | Y | 13 |
| 69 | 103103145 | 41 | NOC:Mass Transfer Operations-I | Y | Y | Y | 27 |
| 70 | 103103146 | 41 | NOC:Transport Phenomena of Non-Newtonian Fluids | Y | Y | Y | 6.6 |
| 71 | 103103147 | 33 | NOC:Fluid Flow Operations | Y | Y | Y | 20 |
| 72 | 103106148 | 52 | NOC:Process Control - Design, Analysis and Assessment | Y | Y | Y | 68 |
| 73 | 103107143 | 20 | NOC:Equipment Design: Mechanical Aspects | Y | Y | Y | 4.0 |
| 74 | 103106149 | 121 | System Identification | Y | Y | --- | 153 |
| 75 | 103103152 | 35 | NOC:Chemical Process Intensification | Y | Y | Y | 22 |
| 76 | 103103153 | 30 | NOC:Chemical Reaction Engineering - I | Y | Y | Y | 17 |
| 77 | 103103154 | 32 | NOC:Mass Transfer Operations II | Y | Y | Y | 19 |
| 78 | 103103155 | 37 | NOC:Mechanical Unit Operations | Y | Y | Y | 26 |
| 79 | 103104151 | 63 | NOC:Chemical Engineering Thermodynamics | Y | Y | Y | 15 |
| 80 | 103105160 | 60 | NOC:Flow through Porous Media | Y | Y | Y | 16 |
| 81 | 103105161 | 60 | NOC:Fundamentals of Particle and Fluid Solid Processing | Y | Y | Y | 16 |
| 82 | 103106158 | 70 | NOC:Fluid and Particle Mechanics | Y | Y | Y | 90 |
| 83 | 103106159 | 116 | NOC:Continuum Mechanics and Transport Phenomena | Y | Y | Y | 84 |
| 84 | 103107156 | 60 | NOC:Chemical Process Safety | Y | Y | Y | 9.9 |

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|-----|---------------------------|----|--|-----|---|-----|-----|
| 85 | 103107157 | 40 | NOC:Technologies For Clean And Renewable Energy Production | Y | Y | Y | 8.3 |
| 86 | 103102016 | 37 | Interfacial Engineering | --- | Y | --- | 8.7 |
| 87 | 103103162 | 31 | NOC:Advanced Thermodynamics | Y | Y | Y | 25 |
| 88 | 103103165 | 35 | NOC:Basic Principles and Calculations in Chemical Engineering | Y | Y | Y | 15 |
| 89 | 103103164 | 37 | NOC:Computer Aided Applied Single Objective Optimization | Y | Y | Y | 20 |
| 90 | 103108162 | 35 | NOC:Electrochemical Technology in Pollution Control | Y | Y | Y | 21 |
| 91 | 103106162 | 61 | NOC:Environmental Quality Monitoring and Analysis | Y | Y | Y | 51 |
| 92 | 103103163 | 36 | NOC:Membrane Technology | Y | Y | Y | 17 |
| 93 | 105106204 | 48 | NOC:Colloids and Surfaces | Y | Y | Y | 9.2 |
| 94 | 103105166 | 60 | NOC:Plant Design and Economics | --- | Y | --- | 25 |
| 95 | 105106205 | 87 | NOC:Polymers: Concepts, Properties, Uses and Sustainability | Y | Y | Y | 13 |
| 96 | 103103206 | 38 | NOC:Renewable Energy Engineering: Solar, Wind and Biomass Energy Systems | Y | Y | --- | 5.2 |
| 97 | 103103207 | 37 | NOC:Biomass Conversion and Biorefinery | Y | Y | Y | 5.8 |
| 98 | 103107206 | 60 | NOC:Polymer Reaction Engineering | Y | Y | Y | --- |
| 99 | 103107207 | 60 | NOC:Process Equipment Design | Y | Y | --- | 11 |
| 100 | 103107208 | 60 | NOC:Advanced Thermodynamics and Molecular Simulations | Y | Y | Y | 12 |
| 101 | 103101209 | 61 | NOC:Introduction to Interfacial Waves | --- | Y | --- | 5.4 |
| 102 | 103103209 | 35 | NOC:Aspen Plus® Simulation Software-A basic course for beginners | Y | Y | Y | 6.3 |
| 103 | 103105209 | 60 | NOC:Material and Energy Balance Computations | Y | Y | --- | 6.9 |
| 104 | 103105210 | 64 | NOC:Principles and Practices of Process Equipment and Plant Design | Y | Y | --- | 7.2 |
| 105 | 103102211 | 65 | NOC:Fluid Mechanics and its Applications | --- | Y | Y | 3.4 |
| 106 | 103103211 | 25 | NOC:Physical and Electrochemical Characterizations in Chemical Engineering | --- | Y | --- | 3.3 |
| 107 | 103107211 | 60 | NOC:Chemical Process Utilities | Y | Y | Y | 6.2 |
| 108 | 103107212 | 60 | NOC:Physico-Chemical Processes for Waste Water Treatment | Y | Y | Y | 6.1 |
| 109 | 103103031 | 40 | Heat Transfer | --- | Y | Y | 20 |
| 110 | 103101215 | 69 | NOC:Hydrogen Energy:Production,Storage,Transportation and Safety | --- | Y | --- | 7.8 |
| 111 | 103105215 | 60 | NOC:Mathematical Modelling and Simulation of Chemical Engineering Process | --- | Y | --- | 5.2 |
| 112 | 103105216 | 60 | NOC:Advanced Process Dynamics | --- | Y | --- | 7.0 |
| 113 | 103106214 | 40 | Synthetic and Natural Supramolecular Architectures: An Approach Towards Molecular Technology | --- | Y | --- | 6.1 |
| 114 | 103107215 | 60 | NOC:Basic Environmental Engineering and Pollution Abatement | --- | Y | --- | 5.6 |

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| 1 | 104104011 | 40 | Chemistry of Materials | Y | Y | Y | 18 |
| 2 | 104104026 | 40 | Mathematics for Chemistry | Y | Y | Y | 9.1 |
| 3 | 104104066 | 40 | Advance Analytical Course | Y | Y | Y | 13 |

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| 4 | 104105031 | 40 | Bio-inorganic chemistry | Y | Y | Y | 12 |
| 5 | 104105033 | 40 | Co-ordination chemistry (chemistry of transition elements) | Y | Y | Y | 9.6 |
| 6 | 104105034 | 40 | Heterocyclic Chemistry | Y | Y | Y | 12 |
| 7 | 104105038 | 40 | Organic photochemistry and pericyclic reactions | Y | Y | Y | 11 |
| 8 | 104105039 | 41 | Polymer Chemistry | Y | Y | Y | 12 |
| 9 | 104105041 | 40 | Rate processes | Y | Y | Y | 11 |
| 10 | 104106048 | 25 | Principles and Applications of Electron Paramagnetic Resonance Spectroscopy | Y | Y | Y | 15 |
| 11 | 104108055 | 40 | Essentials in Immunology | Y | Y | Y | 11 |
| 12 | 104108056 | 40 | Eukaryotic Gene Expression - basics and benefits | Y | Y | Y | 20 |
| 13 | 104108057 | 49 | Introductory Quantum Chemistry | Y | Y | Y | 20 |
| 14 | 104108062 | 40 | Introduction to Organometallic Chemistry | Y | Y | Y | 18 |
| 15 | 104106072 | 25 | NOC:Chemistry - I | Y | Y | Y | 3.7 |
| 16 | 102105034 | 28 | Bio-Chemistry I | Y | Y | Y | 7.2 |
| 17 | 104105076 | 27 | NOC:Biochemistry | Y | Y | Y | 2.9 |
| 18 | 104106075 | 36 | NOC:Application of Spectroscopic Methods in Molecular Structure Determination | Y | Y | Y | 3.8 |
| 19 | 104106074 | 27 | NOC:Chemistry-II | Y | Y | Y | 8.0 |
| 20 | 104108078 | 40 | NOC:Principles and Applications of NMR Spectroscopy | Y | Y | Y | 11 |
| 21 | 104106077 | 34 | NOC:Pericyclic Reactions and Organic Photochemistry | Y | Y | Y | 7.1 |
| 22 | 104101079 | 20 | NOC:Organo Metallic Chemistry | Y | Y | Y | 8.1 |
| 23 | 104104080 | 40 | NOC:Chemical Applications of Symmetry and Group Theory | Y | Y | Y | 6.0 |
| 24 | 104106083 | 40 | NOC:Chemistry I:Introduction To Quantum Chemistry and Molecular Spectroscopy | Y | Y | Y | 10 |
| 25 | 104104082 | 45 | NOC:Quantum Computing | Y | Y | Y | 3.0 |
| 26 | 104104081 | 40 | NOC:Mathematics for Chemistry | Y | Y | Y | 2.4 |
| 27 | 104104084 | 40 | NOC:Basics of Fluorescence Spectroscopy | Y | Y | Y | 2.1 |
| 28 | 104104085 | 40 | NOC:Laser: Fundamentals and Applications | Y | Y | Y | 2.0 |
| 29 | 104101084 | 60 | NOC:Chemical and Biological Thermodynamics: Principles to Applications | Y | Y | Y | 55 |
| 30 | 104105084 | 60 | NOC:Analytical Chemistry | Y | Y | Y | 16 |
| 31 | 104105086 | 40 | NOC:Stereochemistry | Y | Y | Y | 11 |
| 32 | 104104086 | 55 | NOC:Advanced Mathematical Methods for Chemistry | Y | Y | Y | 38 |
| 33 | 104101092 | 20 | NOC:Metal Mediated Synthesis - I | Y | Y | Y | 19 |
| 34 | 104105088 | 40 | NOC:Introduction to Molecular Thermodynamics | Y | Y | Y | 12 |
| 35 | 104101090 | 60 | NOC:Chemistry of Main Group Elements | Y | Y | Y | 53 |
| 36 | 104101091 | 60 | NOC:Transition Metal Organometallic Chemistry: Principles to Applications | Y | Y | Y | 54 |
| 37 | 104105087 | 60 | NOC:A Study Guide In Organic Retrosynthesis: Problem Solving Approach | Y | Y | Y | 16 |
| 38 | 104106089 | 55 | NOC:Introduction to Chemical Thermodynamics and Kinetics | Y | Y | Y | 29 |
| 39 | 104101093 | 60 | NOC:Inorganic Chemistry of Life: Principles and Perspectives | Y | Y | Y | 42 |

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| 40 | 104101094 | 68 | NOC:Symmetry and Group Theory | Y | Y | Y | 32 |
| 41 | 104101095 | 41 | NOC:Computational Chemistry and Classical Molecular Dynamics | Y | Y | Y | 28 |
| 42 | 104105093 | 40 | NOC:Molecules in Motion | Y | Y | Y | 11 |
| 43 | 104106093 | 62 | NOC:Chemical Crystallography | Y | Y | Y | 66 |
| 44 | 104106094 | 44 | NOC:Advanced Chemical Thermodynamics and Kinetics | Y | Y | Y | 63 |
| 45 | 104106096 | 56 | NOC:Chemistry: Atomic Structure and Chemical Bonding | Y | Y | Y | 37 |
| 46 | 104101099 | 63 | NOC:Molecular Spectroscopy: A Physical Chemists Perspective | Y | Y | Y* | 43 |
| 47 | 104101100 | 60 | NOC:Advanced Transition Metal Organometallic Chemistry | Y | Y | Y | 57 |
| 48 | 104104101 | 60 | NOC:Solid State Chemistry | Y | Y | Y | 22 |
| 49 | 104105102 | 53 | NOC:Experimental Biochemistry | Y | Y | Y | 24 |
| 50 | 104105103 | 60 | NOC:Industrial Inorganic Chemistry | Y | Y | Y | 17 |
| 51 | 104105104 | 20 | NOC:Reactive Intermediates Carbene and Nitrene | Y | Y | Y | 5.1 |
| 52 | 104106105 | 52 | NOC:Electrochemical Impedance Spectroscopy | Y | Y | Y | 69 |
| 53 | 104106106 | 69 | NOC:Medicinal Chemistry | Y | Y | Y | 78 |
| 54 | 104106107 | 68 | NOC:Chemical Principles-II | Y | Y | Y | 74 |
| 55 | 104108097 | 42 | NOC:Multidimensional NMR Spectroscopy for Structural Studies of Biomolecules | Y | Y | Y | 3.9 |
| 56 | 104108098 | 61 | NOC:Symmetry and Structure in the Solid State | Y | Y | Y | 18 |
| 57 | 104106108 | 8 | Organic Chemistry Lab Certification | --- | Y | --- | 18 |
| 58 | 104101115 | 40 | NOC:Mechanisms in Organic Chemistry | Y | Y | Y | 33 |
| 59 | 104101116 | 38 | NOC:Metals In Biology | Y | Y | Y | 34 |
| 60 | 104101117 | 60 | NOC:NMR spectroscopy for Chemists and Biologists | Y | Y | Y | 47 |
| 61 | 104102113 | 34 | NOC:Spectroscopic Techniques for Pharmaceutical and Biopharmaceutical Industries | Y | Y | Y | 30 |
| 62 | 104102114 | 15 | NOC:Introductory Non-Linear Dynamics | Y | Y | Y | 8.0 |
| 63 | 104103110 | 30 | NOC:Principles Of Organic Synthesis | Y | Y | Y | 27 |
| 64 | 104103111 | 32 | NOC:Reagents In Organic Synthesis | Y | Y | Y | 19 |
| 65 | 104103112 | 37 | NOC:Thermodynamics: Classical to Statistical | Y | Y | Y | 4.8 |
| 66 | 104104109 | 20 | NOC:Bioinorganic Chemistry | Y | Y | Y | 12 |
| 67 | 104105120 | 63 | NOC:Organic Chemistry in Biology and Drug Development | Y | Y | Y | 27 |
| 68 | 104106119 | 52 | NOC:Introductory Organic Chemistry I | Y | Y | Y | 56 |
| 69 | 104108118 | 43 | NOC:Ultrafast Optics and Spectroscopy | Y | Y | Y | 6.5 |
| 70 | 104102009 | 42 | Bio-Physical Chemistry | --- | Y | --- | 46 |
| 71 | 104101121 | 19 | NOC:Basics in Inorganic Chemistry | Y | Y | Y | 11 |
| 72 | 104103121 | 35 | NOC:Essentials of Biomolecules: Nucleic Acids and Peptides | Y | Y | Y | 18 |
| 73 | 104106122 | 61 | NOC:Fundamentals of Spectroscopy | Y | Y | Y | 41 |
| 74 | 104106121 | 51 | NOC:Quantitative Methods in Chemistry | Y | Y | Y | 39 |
| 75 | 104101123 | 60 | NOC:Transition Metal Organometallics in Catalysis and Biology | Y | Y | Y | 44 |
| 76 | 104101122 | 67 | NOC:Ultrafast Laser Spectroscopy | Y | Y | Y | 55 |

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| 77 | 104101125 | 61 | NOC:Basic Statistical Mechanics | Y | Y | Y | 14 |
| 78 | 104105124 | 42 | NOC:Introduction to Polymer Science | Y | Y | Y | 22 |
| 79 | 104108124 | 65 | NOC:One and Two Dimensional NMR Spectroscopy for Chemists | Y | Y | Y | 4.5 |
| 80 | 104101124 | 67 | NOC:Quantum Chemistry of Atoms and Molecules | Y | Y | Y | 37 |
| 81 | 104101126 | 38 | NOC:Quantum Mechanics and Molecular Spectroscopy | Y | Y | Y | 9.0 |
| 82 | 104101127 | 60 | NOC:Essentials of Oxidation, Reduction and C_C Bond Formation. Application in Organic Synthesis | Y | Y | Y | 5.1 |
| 83 | 104101128 | 46 | NOC:Chemical Kinetics and Transition State Theory | --- | Y | --- | 4.2 |
| 84 | 104105127 | 40 | NOC:Structure, Stereochemistry and Reactivity of Organic Compounds and Intermediates: A Problem Solving Approach | Y | Y | --- | 7.3 |
| 85 | 104105128 | 42 | NOC:Approximate Methods in Quantum Chemistry | Y | Y | Y | 3.4 |
| 86 | 104106127 | 56 | NOC:Symmetry, Stereochemistry and Applications | Y | Y | Y | 3.8 |
| 87 | 104106128 | 64 | NOC:Symmetry and Group Theory (2021) | Y | Y | Y | 3.5 |
| 88 | 104101130 | 77 | NOC:Concepts of Chemistry for Engineering | Y | Y | Y | 9.2 |
| 89 | 104104130 | 40 | NOC:Chemistry and Physics of Surfaces and Interfaces | Y | Y | --- | 4.1 |
| 90 | 104105130 | 60 | NOC:Biological Inorganic Chemistry | --- | Y | --- | 4.7 |
| 91 | 104106131 | 61 | NOC:Introductory Organic Chemistry - II | Y | Y | Y | 2.4 |
| 92 | 104108132 | 56 | NOC:Time Dependent Quantum Chemistry | Y | Y | Y | 4.3 |
| 93 | 104101133 | 58 | NOC:Classics in Total Synthesis-I | --- | Y | --- | 4.7 |
| 94 | 104101134 | 62 | NOC:Circular Dichroism and Mossbauer Spectroscopy for Chemists | --- | Y | --- | 3.7 |
| 95 | 104101135 | 60 | NOC:NMR Spectroscopy for Structural Biology | --- | Y | --- | 6.8 |
| 96 | 104101136 | 60 | NOC:Transition Metal Chemistry | --- | Y | --- | 7.6 |
| 97 | 104105133 | 40 | NOC:Principles and Applications of Enolate Alkylation | --- | Y | --- | 3.5 |

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| 1 | 105101005 | 38 | Soil Dynamics | Y | Y | Y | 19 |
| 2 | 105101006 | 38 | Structural Dynamics | Y | Y | Y | 19 |
| 3 | 105101010 | 40 | Watershed Management | Y | Y | Y | 41 |
| 4 | 105101082 | 42 | Fluid Mechanics | Y | Y | Y | 9.6 |
| 5 | 105101084 | 57 | Soil Mechanics | Y | Y | Y | 15 |
| 6 | 105101086 | 40 | Structural Analysis II | Y | Y | Y | 9.8 |
| 7 | 105101134 | 43 | Geotechnical Earthquake Engineering | Y | Y | Y | 37 |
| 8 | 105101143 | 63 | Geosynthetics Engineering: In Theory and Practice | Y | Y | Y | 59 |
| 9 | 105102012 | 41 | Concrete Technology | Y | Y | Y | 37 |
| 10 | 105102016 | 30 | Seismic Analysis of Structures | Y | Y | Y | 27 |
| 11 | 105102088 | 41 | Building Materials and Construction | Y | Y | Y | 12 |
| 12 | 105103021 | 43 | Advanced Hydraulics | Y | Y | Y | 22 |
| 13 | 105103094 | 40 | Design of Steel Structures | Y | Y | --- | 9.1 |
| 14 | 105103096 | 40 | Hydraulics | Y | Y | Y | 20 |

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| 15 | 105104029 | 44 | Advanced Hydrology | Y | Y | Y | 21 |
| 16 | 105104030 | 40 | Concrete Engineering and Technology | Y | Y | Y | 16 |
| 17 | 105104099 | 39 | Environmental Air Pollution | Y | Y | Y | 7.0 |
| 18 | 105104101 | 40 | Surveying | Y | Y | Y | 6.8 |
| 19 | 105104103 | 29 | Water Resources Engineering | Y | Y | Y | 3.5 |
| 20 | 105104131 | 40 | Geotechnical Measurements and Explorations | Y | Y | Y | 11 |
| 21 | 105104135 | 40 | Application of Soil Mechanics | Y | Y | Y | 11 |
| 22 | 105105039 | 40 | Advanced Foundation Engineering | Y | Y | Y | 12 |
| 23 | 105105043 | 40 | Numerical Methods in Civil Engineering | Y | Y | Y | 11 |
| 24 | 105105045 | 40 | Probability Methods in Civil Engineering | Y | Y | Y | 19 |
| 25 | 105105105 | 30 | Design of Reinforced Concrete Structures | Y | Y | Y | 6.3 |
| 26 | 105105106 | 40 | Engineering Geology | Y | Y | Y | 12 |
| 27 | 105105107 | 41 | Introduction to Transportation Engineering | Y | Y | Y | 8.2 |
| 28 | 105105108 | 40 | Strength of Materials | Y | Y | Y | 12 |
| 29 | 105106050 | 41 | Advanced Structural Analysis | Y | Y | Y | 18 |
| 30 | 105106051 | 40 | Finite Element Analysis | Y | Y | Y | 27 |
| 31 | 105106052 | 40 | Geosynthetics and Reinforced Soil Structures | Y | Y | Y | 17 |
| 32 | 105106053 | 42 | Modern Construction Materials | Y | Y | Y | 7.2 |
| 33 | 105106058 | 40 | Urban Transportation Planning | Y | Y | Y | 19 |
| 34 | 105106116 | 39 | Mechanics of solids | Y | Y | Y | 3.5 |
| 35 | 105106118 | 40 | Pre-stressed Concrete Structures | Y | Y | Y | 11 |
| 36 | 105106119 | 40 | Water and Waste Water Engineering | Y | Y | Y | 11 |
| 37 | 105107120 | 40 | Foundation Engineering | Y | Y | Y | 7.8 |
| 38 | 105107121 | 40 | Modern Surveying Techniques | Y | Y | Y | 1.9 |
| 39 | 105107123 | 40 | Transportation Engineering II | Y | Y | Y | 8.2 |
| 40 | 105108075 | 40 | Ground Improvement Techniques | Y | Y | Y | 11 |
| 41 | 105108079 | 40 | Stochastic Hydrology | Y | Y | Y | 19 |
| 42 | 105108080 | 42 | Stochastic Structural Dynamics | Y | Y | Y | 19 |
| 43 | 105108130 | 40 | Water Resources Systems : Modeling Techniques and Analysis | Y | Y | Y | 20 |
| 44 | 105105042 | 40 | Ground Water Hydrology | Y | Y | Y | 9.0 |
| 45 | 105101001 | 60 | Advanced Geotechnical Engineering | Y | Y | Y | 53 |
| 46 | 105106145 | 40 | NOC:Sustainable River Basin Management | Y | Y | Y | 2.8 |
| 47 | 105106149 | 57 | NOC:Project Planning and Control | Y | Y | Y | 6.5 |
| 48 | 105105150 | 25 | NOC:Probability Methods in Civil Engineering | Y | Y | Y | 2.8 |
| 49 | 105104147 | 65 | NOC:Geology and Soil Mechanics | Y | Y | Y | 4.9 |
| 50 | 105104148 | 32 | NOC:Engineering Graphics | Y | Y | Y | 1.6 |
| 51 | 105106151 | 68 | NOC:Structural Dynamics | Y | Y | Y | 12 |
| 52 | 105104152 | 20 | NOC:Earth Sciences for Civil Engineering | Y | Y | Y | 1.6 |

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| 53 | 105108141 | 40 | Finite Element method for vibration and Stability analyses | Y | Y | Y | 14 |
| 54 | 105107155 | 20 | NOC:Introduction to Geographic Information Systems | Y | Y | Y | 5.3 |
| 55 | 105107156 | 20 | NOC:Principles and Applications of Building Science | Y | Y | Y | 6.2 |
| 56 | 105107157 | 20 | NOC:GPS Surveying | Y | Y | Y | 6.4 |
| 57 | 105105156 | 20 | NOC:Visual Semiotics for Visual Communication | Y | Y | Y | 7.6 |
| 58 | 105104156 | 20 | NOC:Earth Sciences for Civil Engineering - Part 2 | Y | Y | Y | 2.1 |
| 59 | 105102159 | 40 | Water Management | Y | Y | Y | 27 |
| 60 | 105107158 | 40 | NOC:Digital Land Surveying And Mapping | Y | Y | Y | 11 |
| 61 | 105105157 | 40 | NOC:Life Cycle Assessment | Y | Y | Y | 11 |
| 62 | 105104157 | 32 | NOC:Hydration, Porosity and Strength of Cementitious Materials | Y | Y | Y | 2.4 |
| 63 | 105101160 | 22 | NOC:Geotechnical Engineering Laboratory | Y | Y | Y | 11 |
| 64 | 105104160 | 60 | NOC:Mechanics of Solids | Y | Y | Y | 4.6 |
| 65 | 105104161 | 37 | NOC:Principles of Construction Management | Y | Y | Y | 5.4 |
| 66 | 105104162 | 40 | NOC:Foundation Design | Y | Y | Y | 2.6 |
| 67 | 105105160 | 62 | NOC:Integrated Waste Management for a Smart City | Y | Y | Y | 16 |
| 68 | 105105161 | 51 | NOC:Computational Hydraulics | Y | Y | Y | 13 |
| 69 | 105105162 | 63 | NOC:Design of Steel Structures | Y | Y | Y | 18 |
| 70 | 105105165 | 20 | NOC:Reinforced Concrete Road Bridges | Y | Y | Y | 5.8 |
| 71 | 105105166 | 61 | NOC:Structural Analysis - I | Y | Y | Y | 17 |
| 72 | 105107160 | 20 | NOC:Digital Image Processing of Remote Sensing Data | Y | Y | Y | 5.2 |
| 73 | 105102160 | 42 | NOC:Geoenvironmental Engineering (Environmental Geotechnology) Landfills, Slurry Ponds and Contaminated Sites | Y | Y | Y | 29 |
| 74 | 105105169 | 22 | NOC:Electronic Waste Management: Issues And Challenges | Y | Y | Y | 5.9 |
| 75 | 105107174 | 20 | NOC:Digital Elevation Models and Applications | Y | Y | Y | 5.7 |
| 76 | 105104167 | 21 | NOC:Photogeology In Terrain Evaluation | Y | Y | Y | 4.7 |
| 77 | 105102175 | 55 | NOC:Energy Efficiency, Acoustics and Daylighting in Building | Y | Y | Y | 27 |
| 78 | 105106172 | 102 | NOC:Mechanics of Materials | Y | Y | Y | 18 |
| 79 | 105107173 | 60 | NOC:Applied Environmental Microbiology | Y | Y | Y | 15 |
| 80 | 105105168 | 61 | NOC:Soil Mechanics, Geotechnical Engineering-I | Y | Y | Y | 15 |
| 81 | 105105170 | 60 | NOC:Mineral Resources: Geology, Exploration, Economics and Environment | Y | Y | Y | 16 |
| 82 | 105105171 | 64 | NOC:Introduction to Mineral Processing | Y | Y | Y | 17 |
| 83 | 105101176 | 21 | NOC:Geosynthetics Testing Laboratory | Y | Y | Y | 20 |
| 84 | 105102176 | 56 | NOC:Fire Protection, Services and Maintenance Management of Building | Y | Y | Y | 28 |
| 85 | 105103176 | 36 | NOC:Higher Surveying | Y | Y | Y | 20 |
| 86 | 105103177 | 36 | NOC:Unsaturated Soil Mechanics | Y | Y | Y | 9.3 |
| 87 | 105104177 | 20 | NOC:Photogeology In Terrain Evaluation - Part 2 | Y | Y | Y | 5.7 |
| 88 | 105104178 | 38 | NOC:Introduction to Accounting and Finance for Civil Engineers | Y | Y | Y | 11 |
| 89 | 105105176 | 60 | NOC:Foundation Engineering | Y | Y | Y | 18 |
| 90 | 105105177 | 60 | NOC:Theory of Elasticity | Y | Y | Y | 17 |

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| 91 | 105105178 | 62 | NOC:Wastewater Treatment and Recycling | Y | Y | Y | 15 |
| 92 | 105105179 | 40 | NOC:Fluid Inclusion in Mineral Principles, Methodology, Practice and Application | Y | Y | Y | 12 |
| 93 | 105105180 | 42 | NOC:Matrix Method of Structural Analysis | Y | Y | Y | 9.0 |
| 94 | 105106176 | 44 | NOC:Advanced Concrete Technology | Y | Y | Y | 78 |
| 95 | 105106177 | 87 | NOC:Glass in buildings: Design and Application | Y | Y | Y | 64 |
| 96 | 105106178 | 75 | NOC:Glass Processing Technology | Y | Y | Y | 50 |
| 97 | 105107176 | 60 | NOC:Environmental Engineering-Chemical Processes | Y | Y | Y | 12 |
| 98 | 105103182 | 21 | NOC:Subsurface Exploration: Importance and Techniques Involved | Y | Y | Y | 8.8 |
| 99 | 105104183 | 43 | NOC:Natural Hazards - Part 1 | Y | Y | Y* | 14 |
| 100 | 105105184 | 40 | NOC:Plastic Waste Management | Y | Y | Y | 11 |
| 101 | 105105185 | 60 | NOC:Geotechnical Engineering-II Foundation Engineering | Y | Y | Y | 16 |
| 102 | 105105186 | 43 | NOC:Mass, Momentum and Energy Balances in Engineering Analysis | Y | Y | Y | 11 |
| 103 | 105106187 | 29 | NOC:Advanced Topics in the Science and Technology of Concrete | Y | Y | Y | 39 |
| 104 | 105106188 | 47 | NOC:Infrastructure Planning and Managements | Y | Y | Y | 64 |
| 105 | 105107181 | 59 | NOC:Environmental Remediation of Contaminated Sites | Y | Y | Y | 15 |
| 106 | 105101196 | 53 | NOC:Environmental Geotechnics | Y | Y | Y | 17 |
| 107 | 105102195 | 47 | NOC:Sustainable Materials and Green Buildings | Y | Y | Y | 23 |
| 108 | 105102199 | 12 | NOC:Scheduling Techniques in Projects | Y | Y | Y | 9.1 |
| 109 | 105103192 | 37 | NOC:Fluid Mechanics | Y* | Y | Y* | 15 |
| 110 | 105103193 | 24 | NOC:Remote Sensing and GIS | Y | Y | Y | 9.8 |
| 111 | 105104189 | 13 | NOC:Structural Dynamics for Civil Engineers - SDOF systems | Y | Y | Y | 6.4 |
| 112 | 105104190 | 38 | NOC:Geomorphic Processes: Landforms and Landscapes | Y | Y | Y | 13 |
| 113 | 105104191 | 48 | NOC:Structural Geology | Y | Y | Y | 38 |
| 114 | 105106197 | 40 | NOC:Design of Masonry Structures | Y | Y | Y | 85 |
| 115 | 105107194 | 20 | NOC:Global Navigation Satellite Systems And Applications | Y | Y | Y | 4.7 |
| 116 | 105106200 | 67 | NOC:Characterization of Construction Materials | Y | Y | Y | 53 |
| 117 | 105104200 | 57 | NOC:Earthquake Geology: A tool for Seismic Hazard Assessment | Y | Y | Y | 34 |
| 118 | 105101200 | 56 | NOC:Environmental Geomechanics | Y | Y | Y | 25 |
| 119 | 105107200 | 60 | NOC:Geomorphology | Y | Y | Y | 13 |
| 120 | 105105202 | 19 | NOC:Geo Spatial Analysis in Urban Planning | Y | Y | Y | 5.3 |
| 121 | 105101201 | 28 | NOC:Geotechnical Engineering - 1 | Y | Y | Y | 47 |
| 122 | 105105203 | 63 | NOC:Hydraulic Engineering | Y | Y | Y | 17 |
| 123 | 105106201 | 20 | NOC:Introduction to Civil Engineering Profession | Y | Y | Y | 23 |
| 124 | 105106202 | 35 | NOC:Maintenance and Repair of Concrete Structures | Y | Y | Y | 26 |
| 125 | 105106203 | 56 | NOC:Mechanical Characterization of Bituminous Materials | Y | Y | Y | 40 |
| 126 | 105107201 | 56 | NOC:Remote Sensing Essentials | Y | Y | Y | 14 |
| 127 | 105105200 | 66 | NOC:Soil Structure Interaction | Y | Y | Y | 28 |
| 128 | 105105201 | 62 | NOC:Water Supply Engineering | Y | Y | Y | 20 |

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| 129 | 105107204 | 40 | NOC:Earthquake Resistant Design of Foundations | --- | Y | --- | 5.9 |
| 130 | 105108204 | 64 | NOC:Introduction to Engineering Seismology | Y | Y | --- | 9.9 |
| 131 | 105105204 | 60 | NOC:Introduction to Multimodal Urban Transportation Systems | Y | Y | Y | 17 |
| 132 | 105103205 | 43 | NOC:Municipal Solid Waste Management | Y | Y | Y | 9.7 |
| 133 | 105103204 | 24 | NOC:River Engineering | Y | Y | Y | 6.6 |
| 134 | 105101206 | 67 | NOC:Remote Sensing: Principles and Applications | Y | Y | Y | 16 |
| 135 | 105102206 | 27 | NOC:Safety in Construction | Y | Y | Y | 5.4 |
| 136 | 105103206 | 22 | NOC:Construction Methods and Equipment Management | Y | Y | Y | 4.7 |
| 137 | 105103207 | 57 | NOC:Advanced Soil Mechanics | Y | Y | Y | 5.7 |
| 138 | 105104206 | 32 | NOC:Development and Applications of Special Concretes | Y | Y | Y | 3.9 |
| 139 | 105105207 | 70 | NOC:Advanced Foundation Engineering | Y | Y | Y | 7.8 |
| 140 | 105105208 | 60 | NOC:Urban Transport Systems Planning | Y | Y | --- | 7.1 |
| 141 | 105106206 | 51 | NOC:Basic Construction Materials | Y | Y | Y | 6.4 |
| 142 | 105107206 | 60 | NOC:Geographic Information Systems | Y | Y | Y | 13 |
| 143 | 105107207 | 60 | NOC:Water and Waste Water Treatment | Y | Y | Y | 8.1 |
| 144 | 105107208 | 60 | NOC:Rock Engineering | Y | Y | Y | 7.1 |
| 145 | 105101209 | 29 | NOC:Dynamics of Structures | Y | Y | Y | 2.9 |
| 146 | 105103209 | 36 | NOC:Plates and Shells | Y | Y | Y | 5.3 |
| 147 | 105103210 | 38 | NOC:Optimization methods for Civil engineering | --- | Y | --- | 4.1 |
| 148 | 105105209 | 252 | NOC:Structural Reliability | Y | Y | Y | 4.2 |
| 149 | 105105210 | 60 | NOC:Ground Improvement | Y | Y | --- | 8.2 |
| 150 | 105105211 | 20 | NOC:Remote Sensing of Leaf Area Index and Primary Productivity | Y | Y | Y | 2.5 |
| 151 | 105105212 | 61 | NOC:Rock Mechanics and Tunneling | --- | Y | --- | 6.3 |
| 152 | 105107209 | 60 | NOC:Finite Element Method and Computational Structural Dynamics | --- | Y | --- | 12 |
| 153 | 105107210 | 60 | NOC:Sustainable Transportation Systems | Y | Y | Y | 7.1 |
| 154 | 105101213 | 58 | NOC:Microwave Remote Sensing in Hydrology | --- | Y | --- | 11 |
| 155 | 105101214 | 60 | NOC:Groundwater Hydrology and Management | Y | Y | Y | 4.8 |
| 156 | 105101215 | 60 | NOC:Rural Water Resources Management | Y | Y | Y | 4.4 |
| 157 | 105103213 | 83 | NOC:Engineering Hydrology | Y | Y | Y | 8.8 |
| 158 | 105103214 | 28 | NOC:Expansive Soil | Y | Y | Y | 2.9 |
| 159 | 105105213 | 63 | NOC:Retrofitting and Rehabilitation of Civil Infrastructure | Y | Y | --- | 6.5 |
| 160 | 105105214 | 62 | NOC:Surface Water Hydrology | Y | Y | Y | 11 |
| 161 | 105105215 | 66 | NOC:Traffic Engineering | --- | Y | --- | 11 |
| 162 | 105106213 | 77 | NOC:Introduction to Lean Construction | Y | Y | Y | 3.4 |
| 163 | 105107213 | 60 | NOC:Air Pollution and Control | Y | Y | Y | 6.8 |
| 164 | 105101216 | 52 | NOC:Geotechnical Engineering-II | --- | Y | --- | 12 |
| 165 | 105104216 | 17 | NOC:Introductory Field Structural Geology | --- | Y | --- | 4.3 |
| 166 | 105105216 | 43 | NOC:Bridge Engineering | --- | Y | --- | 5.3 |

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| 167 | 105105217 | 60 | NOC:Elastic Stability of Structures | --- | Y | --- | 4.0 |
| 168 | 105105218 | 35 | NOC:Radiogenic Isotope Geology | --- | Y | --- | 2.5 |
| 169 | 105105219 | 60 | NOC:Availability and Management of Groundwater Resources | --- | Y | --- | 5.0 |
| 170 | 105106216 | 23 | NOC:Design of Connections in Steel Structures | --- | Y | --- | 1.8 |
| 171 | 105107216 | 60 | NOC:Underground Space Technology | --- | Y | --- | 6.1 |
| 172 | 105107217 | 60 | NOC:Environmental Modeling and Simulation | --- | Y | --- | 6.4 |
| 173 | 105107218 | 60 | NOC:Advanced Geomatics Engineering | --- | Y | --- | 7.9 |
| 174 | 105107219 | 60 | NOC:Pavement Materials (Under Pavement Engineering) | --- | Y | --- | 8.0 |
| 175 | 105107220 | 62 | NOC:Geometric Design of Highways | --- | Y | --- | 5.9 |

Discipline : Computer Science and Engineering

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| 1 | 106101007 | 40 | Natural Language Processing | Y | Y | Y | 31 |
| 2 | 106101060 | 34 | Design and Analysis of Algorithms | Y | Y | Y | 8.3 |
| 3 | 106101061 | 39 | Software Engineering | Y | Y | Y | 11 |
| 4 | 106102011 | 40 | Computational Geometry | Y | Y | Y | 26 |
| 5 | 106102013 | 39 | Logic for CS | Y | Y | Y | 31 |
| 6 | 106102062 | 38 | Computer Architecture (Prof. Anshul Kumar) | Y | Y | Y | 9.0 |
| 7 | 106102064 | 36 | Data Structures And Algorithms | Y | Y | Y | 9.3 |
| 8 | 106102065 | 35 | Introduction to Computer Graphics | Y | Y | Y | 7.7 |
| 9 | 106102067 | 40 | Principles of Programming Languages | Y | Y | Y | 9.8 |
| 10 | 106102114 | 34 | Parallel Computing | Y | Y | Y | 8.8 |
| 11 | 106103116 | 44 | Design Verification and Test of Digital VLSI Circuits | Y | Y | Y | 25 |
| 12 | 106104019 | 35 | Computer Algorithms - 2 | Y | Y | Y | 18 |
| 13 | 106104028 | 42 | Theory of Computation | Y | Y | Y | 20 |
| 14 | 106104074 | 24 | Introduction to Problem Solving and Programming | Y | Y | Y | 2.5 |
| 15 | 106104118 | 30 | Riemann Hypothesis and its Applications | Y | Y | Y | 6.9 |
| 16 | 106104119 | 26 | Biometrics | Y | Y | Y | 11 |
| 17 | 106104120 | 25 | Parallel Algorithm | Y | Y | Y | 13 |
| 18 | 106104122 | 36 | Computer Architecture (Dr. Mainak Chaudhuri) | Y | Y | Y | 15 |
| 19 | 106104123 | 30 | Compiler Design (Prof. Sanjeev K Aggarwal) | Y | Y | Y | 12 |
| 20 | 106104128 | 59 | NOC:Introduction to Programming in C | Y | Y | Y | 3.1 |
| 21 | 106105031 | 41 | Cryptography and Network Security | Y | Y | Y | 19 |
| 22 | 106105033 | 41 | High Performance Computer Architecture | Y | Y | Y | 11 |
| 23 | 106105034 | 40 | Low Power VLSI Circuits and Systems | Y | Y | Y | 19 |
| 24 | 106105036 | 40 | Real Time Systems | Y | Y | Y | 8.1 |
| 25 | 106105077 | 40 | Artificial Intelligence (Prof. S. Sarkar, Prof. Anupam Basu) | Y | Y | Y | 8.8 |
| 26 | 106105079 | 28 | Artificial Intelligence (Prof.P. Dasgupta) | Y | Y | Y | 7.6 |
| 27 | 106105081 | 40 | Computer Networks | Y | Y | Y | 12 |

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| 28 | 106105082 | 41 | Data Communication | Y | Y | Y | 9.4 |
| 29 | 106105083 | 35 | Electronic Design Automation | Y | Y | Y | 7.5 |
| 30 | 106105084 | 40 | Internet Technology | Y | Y | Y | 12 |
| 31 | 106105085 | 32 | Programming and Data Structure | Y | Y | Y | 4.8 |
| 32 | 106106046 | 43 | Pattern Recognition | Y | Y | Y | 19 |
| 33 | 106106048 | 42 | Performance Evaluation of Computer Systems | Y | Y | Y | 17 |
| 34 | 106106049 | 42 | Theory of Automata, Formal Languages and Computation | Y | Y | Y | 19 |
| 35 | 106106090 | 43 | Computer Graphics | Y | Y | Y | 11 |
| 36 | 106106092 | 33 | Computer Organization | Y | Y | Y | 7.6 |
| 37 | 106106093 | 43 | Database Design | Y | Y | Y | 12 |
| 38 | 106106094 | 40 | Discrete Mathematical Structures | Y | Y | Y | 11 |
| 39 | 106106126 | 48 | Artificial Intelligence (Prof. Deepak Khemani) | Y | Y | Y | 36 |
| 40 | 106106127 | 61 | NOC:Programming, Data Structures and Algorithms | Y | Y | Y | 13 |
| 41 | 106106129 | 65 | NOC:Introduction to Information Security I | Y | Y | Y | 8.8 |
| 42 | 106106130 | 18 | NOC:Programming and Data structures (PDS) | Y | Y | Y | 3.2 |
| 43 | 106106131 | 56 | NOC:Design and Analysis of Algorithms | Y | Y | Y | 2.2 |
| 44 | 106106133 | 55 | NOC:Programming, Data Structures and Algorithms (Aricent) | --- | Y | Y | 5.2 |
| 45 | 106108051 | 41 | Combinatorics | Y | Y | Y | 12 |
| 46 | 106108052 | 50 | Compiler Design (Prof. Y.N. Srikanth) | Y | Y | Y | 18 |
| 47 | 106108054 | 40 | Graph Theory | Y | Y | Y | 19 |
| 48 | 106108055 | 41 | High Performance Computing | Y | Y | Y | 16 |
| 49 | 106108056 | 41 | Numerical Optimization | Y | Y | Y | 11 |
| 50 | 106108058 | 43 | Storage Systems | Y | Y | Y | 12 |
| 51 | 106108102 | 40 | System Analysis and Design | Y | Y | Y | 11 |
| 52 | 106108113 | 46 | Principles of Compiler Design | Y | Y | Y | 13 |
| 53 | 106106134 | 33 | NOC:Computer Architecture | Y | Y | Y | 3.0 |
| 54 | 106106136 | 55 | NOC:Model Checking | Y | Y | Y | 2.2 |
| 55 | 106106137 | 28 | NOC:Functional Programming in Haskell | Y | Y | Y | 1.8 |
| 56 | 106104135 | 48 | NOC:Fundamentals of Database Systems | Y | Y | Y | 3.1 |
| 57 | 106106141 | 42 | NOC:Information Security - II | Y | Y | Y | 8.8 |
| 58 | 106106139 | 86 | NOC:Introduction to Machine Learning (Sponsored by Arihant) | Y | Y | Y | 28 |
| 59 | 106106140 | 113 | NOC:Artificial Intelligence: Knowledge Representation & Reasoning | Y | Y | Y | 6.1 |
| 60 | 106106138 | 71 | Virtual Reality | --- | Y | Y | 20 |
| 61 | 106106142 | 48 | NOC:Algorithms for Big Data | Y | Y | --- | 11 |
| 62 | 106105154 | 21 | NOC:Complex Network : Theory and Application | Y | Y | Y | 5.1 |
| 63 | 106105153 | 52 | NOC:Object-Oriented Analysis and Design | Y | Y | Y | 12 |
| 64 | 106105152 | 44 | NOC:Introduction to Machine Learning | Y | Y | Y | 11 |
| 65 | 106105151 | 56 | NOC:Programming in C++ | Y | Y | Y | 13 |

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| 66 | 106105150 | 20 | NOC:Software Testing | Y | Y | Y | 4.7 |
| 67 | 106104148 | 40 | NOC:Theory of Computation | Y | Y | Y | 3.7 |
| 68 | 106107155 | 20 | NOC:Introduction to Cryptology | Y | Y | Y | 5.4 |
| 69 | 106104149 | 18 | NOC:Modern Algebra | Y | Y | Y | 1.9 |
| 70 | 106106146 | 34 | NOC:Privacy and Security in Online Social Networks | Y | Y | Y | 5.5 |
| 71 | 106106145 | 45 | NOC:Programming, Data Structures and Algorithms in Python | Y | Y | Y | 2.5 |
| 72 | 106106144 | 39 | NOC:Introduction to Operating Systems | Y | Y | Y | 13 |
| 73 | 106106147 | 39 | NOC:Mobile Computing | Y | Y | Y | 4.6 |
| 74 | 106106143 | 64 | NOC:Reinforcement Learning | Y | Y | Y | 36 |
| 75 | 106106156 | 37 | NOC:Introduction to Modern Application Development | Y | Y | Y | 1.4 |
| 76 | 106105157 | 20 | Fundamental Algorithms:Design and Analysis | Y | Y | Y | 5.2 |
| 77 | 106106158 | 42 | NOC:AI:Constraint Satisfaction | Y | Y | Y* | 31 |
| 78 | 106102157 | 33 | NOC:Computer Architecture | Y | Y | Y | 12 |
| 79 | 106106157 | 60 | NOC:Information Security-3 | Y | Y | Y | 20 |
| 80 | 106105160 | 40 | NOC:Wireless Ad Hoc and Sensor Networks | Y | Y | Y | 9.9 |
| 81 | 106105158 | 65 | NOC:Natural Language Processing | Y | Y | Y | 16 |
| 82 | 106105161 | 64 | NOC:VLSI Physical Design | Y | Y | Y | 17 |
| 83 | 106105159 | 49 | NOC:Embedded Systems Design | Y | Y | Y | 8.5 |
| 84 | 106105162 | 60 | NOC:Cryptography and Network Security | Y | Y | Y | 15 |
| 85 | 106105163 | 64 | NOC:Computer Architecture and Organization | Y | Y | Y | 18 |
| 86 | 106105164 | 60 | NOC:Introduction to Algorithms and Analysis | Y | Y | Y | 15 |
| 87 | 106105165 | 41 | NOC:Hardware Modeling using Verilog | Y | Y | Y | 11 |
| 88 | 106105166 | 60 | NOC:Introduction to Internet of Things | Y | Y | Y | 13 |
| 89 | 106105167 | 60 | NOC:Cloud Computing | Y | Y | Y | 12 |
| 90 | 106101163 | 60 | NOC:Software Testing | Y | Y | Y | 28 |
| 91 | 106106166 | 52 | NOC:Computer Organization | Y | Y | Y | 23 |
| 92 | 106106167 | 56 | NOC:Introduction to Wireless and Cellular Communications | Y | Y | Y | 40 |
| 93 | 106102163 | 84 | NOC:Introduction to Parallel Programming in OpenMP | Y | Y | Y | 4.8 |
| 94 | 106106168 | 27 | NOC:Distributed Systems | Y | Y | Y | 2.6 |
| 95 | 106106169 | 166 | NOC:Social Networks | Y | Y | Y | 43 |
| 96 | 106105172 | 20 | NOC:Real Time Operating System | Y | Y | Y | 5.0 |
| 97 | 106106176 | 26 | NOC:An Introduction to Probability in Computing | Y | Y | Y | 8.5 |
| 98 | 106104170 | 23 | NOC:Advanced Graph Theory | Y | Y | Y | 11 |
| 99 | 106105173 | 40 | NOC:Introduction to Soft Computing | Y | Y | Y | 10 |
| 100 | 106105174 | 44 | NOC:Data Mining | Y | Y | Y | 11 |
| 101 | 106105175 | 42 | NOC:Data Base Management System | Y | Y | Y | 13 |
| 102 | 106106177 | 28 | NOC:Introduction to Human Computer Interaction | Y | Y | Y | 12 |
| 103 | 106106178 | 60 | NOC:Information Security - IV | Y | Y | Y | 43 |

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| 104 | 106106179 | 50 | NOC:Data Science for Engineers | Y | Y | Y | 15 |
| 105 | 106103180 | 39 | NOC:Computer Organization and Architecture - A Pedagogical Aspect | Y | Y | Y | 9.8 |
| 106 | 106105171 | 61 | NOC:Problem Solving through Programming in C | Y | Y | Y | 15 |
| 107 | 106102181 | 26 | NOC:Synthesis of Digital Systems | Y | Y | Y | 27 |
| 108 | 106101182 | 22 | NOC:Design and Pedagogy of the Introductory Programming Course | Y | Y | Y | 17 |
| 109 | 106103182 | 37 | NOC:Embedded Systems-Design Verification and Test | Y | Y | Y | 14 |
| 110 | 106103183 | 29 | NOC:Multi-Core Computer Architecture-Storage and Interconnects | Y | Y | Y | 12 |
| 111 | 106104182 | 21 | NOC:Cloud Computing and Distributed Systems | Y | Y | Y | 9.0 |
| 112 | 106105182 | 60 | NOC:Software Engineering | Y | Y | Y | 15 |
| 113 | 106105183 | 60 | NOC:Computer Networks and Internet Protocol | Y | Y | Y | 15 |
| 114 | 106105184 | 60 | NOC:Blockchain Architecture Design and Use Cases | Y | Y | Y | 32 |
| 115 | 106105185 | 60 | NOC:Switching Circuits and Logic Design | Y | Y | Y | 15 |
| 116 | 106105186 | 40 | NOC:Scalable Data Science | Y | Y | Y | 8.0 |
| 117 | 106106182 | 226 | NOC:The Joy of Computing using Python | Y | Y | Y | 44 |
| 118 | 106106183 | 465 | NOC:Discrete Mathematics | Y | Y | Y | 31 |
| 119 | 106106184 | 117 | NOC:Deep Learning | Y | Y | Y | 41 |
| 120 | 106103187 | 40 | NOC:Randomized Algorithms | Y | Y | Y | 28 |
| 121 | 106103188 | 37 | NOC:Parallel Algorithms | Y | Y | Y | 14 |
| 122 | 106104189 | 34 | NOC:Big Data Computing | Y | Y | Y | 14 |
| 123 | 106105190 | 61 | NOC:Compiler Design | Y | Y | Y | 16 |
| 124 | 106105191 | 60 | NOC:Programming in Java | Y | Y | Y | 17 |
| 125 | 106105192 | 60 | NOC:Discrete Structures | Y | Y | Y | 20 |
| 126 | 106105193 | 42 | NOC:Embedded System Design with ARM | Y | Y | Y | 9.6 |
| 127 | 106105194 | 60 | NOC:Hardware Security | Y | Y | Y | 16 |
| 128 | 106105195 | 65 | NOC:Introduction to Industry 4.0 and Industrial Internet of Things | Y | Y | Y | 25 |
| 129 | 106105196 | 60 | NOC:Introduction to Automata, Languages and Computation | Y | Y | Y | 15 |
| 130 | 106106197 | 77 | NOC:Foundations to Computer Systems Design | Y | Y | Y* | 121 |
| 131 | 106106198 | 106 | NOC:Machine Learning for Engineering and Science Applications | Y | Y | Y | 70 |
| 132 | 106106199 | 59 | NOC:Information Security 5 - Secure Systems Engineering | Y | Y | Y | 27 |
| 133 | 106106200 | 56 | NOC:Multimodal Interaction | Y | Y | Y | 30 |
| 134 | 106106201 | 37 | NOC:Deep Learning - Part 2 | Y | Y | Y | 18 |
| 135 | 106106202 | 50 | NOC:Machine Learning, ML | Y | Y | Y | 21 |
| 136 | 106101208 | 120 | NOC:An Introduction to Programming Through C++ | Y | Y | Y | 47 |
| 137 | 106101209 | 100 | NOC:Demystifying Networking | Y | Y | Y | 7.6 |
| 138 | 106103205 | 43 | NOC:Discrete Mathematics | Y | Y | Y | 26 |
| 139 | 106103206 | 33 | NOC:Advanced Computer Architecture | Y | Y | Y | 6.7 |
| 140 | 106105214 | 60 | NOC:Operating System Fundamentals | Y | Y | Y | 16 |
| 141 | 106105215 | 60 | NOC:Deep Learning (2019) | Y | Y | Y | 16 |

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| 142 | 106105216 | 60 | NOC:Computer Vision | Y | Y | Y | 17 |
| 143 | 106105217 | 62 | NOC:Ethical Hacking | Y | Y | Y | 12 |
| 144 | 106105218 | 60 | NOC:Software Project Management | Y | Y | Y | 16 |
| 145 | 106105219 | 40 | NOC:Spatial Informatics | Y | Y | Y | 12 |
| 146 | 106106210 | 22 | NOC:C Programming and Assembly Language | Y | Y | Y | 33 |
| 147 | 106106211 | 92 | NOC:Applied Natural Language Processing | Y | Y | Y | 69 |
| 148 | 106106212 | 40 | NOC:Python for Data Science | Y | Y | Y | 50 |
| 149 | 106106213 | 38 | NOC:Practical Machine Learning with Tensorflow | Y | Y | Y | 21 |
| 150 | 106102132 | 40 | Operating Systems | Y | Y | Y | 5.0 |
| 151 | 106102220 | 96 | NOC:An Introduction to Artificial Intelligence | Y | Y | Y | 24 |
| 152 | 106104221 | 24 | NOC:Arithmetic Circuit Complexity | Y | Y | Y | 21 |
| 153 | 106107220 | 60 | NOC:Data Analytics with Python | Y | Y | Y | 4.4 |
| 154 | 106106221 | 59 | NOC:Foundations of Cryptography | Y | Y | Y | 8.3 |
| 155 | 106105220 | 63 | NOC:GPU Architectures and Programming | Y | Y | Y | 13 |
| 156 | 106104220 | 29 | NOC:Introduction to Blockchain Technology and Applications | Y | Y | Y | 9.5 |
| 157 | 106106220 | 41 | NOC:Introduction to Database Systems | Y | Y | Y | 32 |
| 158 | 106106222 | 37 | NOC:Modern Application Development (2020.S1) | Y | Y | Y | 20 |
| 159 | 106103220 | 31 | NOC:User-centric Computing for Human-Computer Interaction | Y | Y | Y | 22 |
| 160 | 106105223 | 83 | NOC:Google Cloud Computing Foundation Course | Y | Y | --- | 1.2 |
| 161 | 110101145 | 60 | NOC:Bandit Algorithm (Online Machine Learning) | Y | Y | Y | 37 |
| 162 | 106103224 | 32 | NOC:Computer Graphics | Y | Y | Y | 6.0 |
| 163 | 106105225 | 60 | NOC:Data Structure and Algorithms using Java | Y | Y | --- | 32 |
| 164 | 106106224 | 79 | NOC:Deep Learning for Computer Vision | Y | Y | Y | 6.1 |
| 165 | 106105224 | 60 | NOC:Object Oriented System Development using UML, Java and Patterns | Y | Y | Y | 19 |
| 166 | 106106226 | 95 | NOC:Artificial Intelligence Search Methods For Problem Solving | Y | Y | --- | 11 |
| 167 | 106104227 | 41 | NOC:Computational Complexity Theory | --- | Y | --- | 9.5 |
| 168 | 106104228 | 26 | NOC:Randomized Methods in Complexity | --- | Y | Y | 5.4 |
| 169 | 106108227 | 72 | NOC:Discrete Mathematics (IIITB) | Y | Y | Y | 5.2 |
| 170 | 106102229 | 33 | NOC:Advanced Computer Architecture | Y | Y | Y | 3.6 |
| 171 | 106103229 | 43 | NOC:C-Based VLSI Design | --- | Y | --- | 5.6 |
| 172 | 106105229 | 61 | NOC:Real-Time Systems | Y | Y | Y | 5.5 |
| 173 | 106105230 | 60 | NOC:Algorithms for Protein Modelling and Engineering | --- | Y | --- | 7.0 |
| 174 | 106106229 | 63 | NOC:Computational Complexity | --- | Y | --- | 6.2 |
| 175 | 106106230 | 50 | NOC:Parameterized Algorithms | --- | Y | --- | 5.3 |
| 176 | 106106231 | 54 | NOC:Getting Started with Competitive Programming | Y | Y | Y | 1.9 |
| 177 | 106106232 | 25 | NOC:Introduction to Quantum Computing: Quantum Algorithms and Qiskit | --- | Y | --- | 1.8 |
| 178 | 106108229 | 59 | NOC:Secure Computation: Part I | Y | Y | Y | 5.1 |
| 179 | 106104233 | 32 | NOC:Probability for Computer Science | --- | Y | --- | 4.7 |

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| 180 | 106101234 | 55 | NOC:Design and Engineering of Computer Systems | Y | Y | Y | 5.6 |
| 181 | 106101235 | 25 | NOC:Software Conceptual Design | --- | Y | --- | 0.4 |
| 182 | 106105234 | 75 | NOC:Programming in Modern C++ | --- | Y | --- | 8.9 |
| 183 | 106105235 | 60 | NOC:Blockchain and its Applications | --- | Y | --- | 7.1 |
| 184 | 106106234 | 18 | NOC:Systems and Usable Security | --- | Y | --- | 1.4 |
| 185 | 106106235 | 25 | NOC:Online Privacy | Y | Y | --- | 4.0 |
| 186 | 106106236 | 62 | NOC:Introduction to Machine Learning (Tamil) | --- | Y | --- | 3.6 |
| 187 | 106106237 | 48 | Compiler Design | --- | Y | --- | 4.1 |
| 188 | 106101237 | 62 | NOC:Introduction to Game Theory and Mechanism Design | --- | Y | --- | 3.3 |
| 189 | 106101238 | 20 | NOC:Introduction to Computer and Network Performance Analysis using Queuing Systems | --- | Y | --- | 2.3 |
| 190 | 106102237 | 28 | NOC:Advanced Distributed systems | --- | Y | --- | 3.5 |
| 191 | 106103237 | 44 | NOC:Design and Implementation of Human-Computer Interfaces | --- | Y | --- | 5.8 |
| 192 | 106105237 | 60 | NOC:Algorithmic Game Theory | --- | Y | --- | 4.2 |
| 193 | 106105238 | 40 | NOC:Machine Learning for Earth System Sciences | --- | Y | --- | 4.3 |
| 194 | 106105239 | 60 | NOC:Statistical Learning for Reliability Analysis | --- | Y | --- | 6.7 |
| 195 | 106106238 | 61 | NOC:Applied Accelerated Artificial Intelligence | --- | Y | --- | 4.2 |
| 196 | 106106239 | 74 | NOC:Social Network Analysis | --- | Y | --- | 5.5 |
| 197 | 106108237 | 62 | NOC:Secure Computation - Part II | --- | Y | --- | 5.1 |

Discipline : Engineering Design

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| 2 | 107106009 | 30 | Principles of Engineering System Design | Y | Y | Y | 12 |
| 3 | 107106080 | 32 | Vehicle Dynamics | Y | Y | Y | 26 |
| 4 | 107103081 | 38 | NOC:System Design for Sustainability | Y | Y | Y | 21 |
| 5 | 107103082 | 15 | NOC:Product Design and Innovation | Y | Y | Y | 6.8 |
| 6 | 107103083 | 15 | NOC:Interaction Design | Y | Y | Y | 7.8 |
| 7 | 107106081 | 72 | NOC:Control Systems | Y | Y | Y | 40 |
| 8 | 107103084 | 12 | NOC:Ergonomics In Automotive Design | Y | Y | Y | 13 |
| 9 | 107103085 | 14 | NOC:Ergonomics Workplace Analysis | Y | Y | Y | 4.6 |
| 10 | 107101086 | 55 | NOC:Innovation by Design | Y | Y | Y | 17 |
| 11 | 107101087 | 42 | NOC:Understanding Design | Y | Y | Y | 6.0 |
| 12 | 107101088 | 23 | NOC:Design, Technology and Innovation | Y | Y | Y | 20 |
| 13 | 107106088 | 74 | NOC:Fundamentals of Automotive Systems | Y | Y | Y | 57 |
| 14 | 107105088 | 64 | NOC:Geographic Information System | Y | Y | Y | 31 |
| 15 | 107106089 | 38 | NOC:Functional and Conceptual Design | Y | Y | Y | 9.7 |
| 16 | 107106090 | 43 | NOC:Introduction to Robotics | Y | Y | Y | 5.9 |
| 17 | 107101091 | 67 | NOC:Understanding Ethnography | Y | Y | Y | 14 |

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| 18 | 107101092 | 27 | NOC:Understanding Incubation and Entrepreneurship | Y | Y | --- | 4.3 |
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| 1 | 108101002 | 35 | Nonlinear Dynamical Systems | Y | Y | Y | 29 |
| 2 | 108101004 | 45 | Power System Dynamics and Control | Y | Y | Y | 41 |
| 3 | 108101037 | 47 | Control Engineering (Prof. S.D. Agashe) | Y | Y | Y | 13 |
| 4 | 108101038 | 43 | Power Electronics | Y | Y | Y | 12 |
| 5 | 108102042 | 51 | Circuit Theory | Y | Y | Y | 13 |
| 6 | 108102043 | 41 | Control Engineering (Prof. M. Gopal) | Y | Y | Y | 9.2 |
| 7 | 108102045 | 37 | Embedded Systems | Y | Y | Y | 9.4 |
| 8 | 108102047 | 35 | Power System Generation, Transmission and Distribution | Y | Y | Y | 7.2 |
| 9 | 108102080 | 40 | Power System Dynamics | Y | Y | Y | 9.8 |
| 10 | 108103007 | 40 | Advanced Control Systems | Y | Y | Y | 17 |
| 11 | 108104011 | 40 | Advanced Electric Drives | Y | Y | Y | 18 |
| 12 | 108104013 | 37 | High Voltage DC Transmission | Y | Y | Y | 16 |
| 13 | 108104049 | 32 | Intelligent Systems and Control | Y | Y | Y | 6.1 |
| 14 | 108104052 | 35 | Power Systems Operation and Control | Y | Y | Y | 4.8 |
| 15 | 108105017 | 40 | Electrical Machines - I | Y | Y | Y | 8.5 |
| 16 | 108105019 | 60 | Optimal Control | Y | Y | Y | 12 |
| 17 | 108105054 | 40 | Chaos, Fractals and Dynamic Systems | Y | Y | Y | 8.6 |
| 18 | 108105055 | 35 | Digital Signal Processing | Y | Y | Y | 7.6 |
| 19 | 108105056 | 34 | Dynamics of Physical Systems | Y | Y | Y | 7.4 |
| 20 | 108105058 | 40 | Energy Resources and Technology | Y | Y | Y | 8.5 |
| 21 | 108105059 | 30 | Estimation of Signals and Systems | Y | Y | Y | 6.1 |
| 22 | 108105060 | 20 | Illumination Engineering | Y | Y | Y | 4.1 |
| 23 | 108105062 | 40 | Industrial Automation and Control | Y | Y | Y | 12 |
| 24 | 108105064 | 40 | Industrial Instrumentation | Y | Y | Y | 12 |
| 25 | 108105065 | 36 | Networks Signals and Systems | Y | Y | Y | 11 |
| 26 | 108105067 | 40 | Power System Analysis | Y | Y | Y | 12 |
| 27 | 108106023 | 43 | Modelling and Analysis of Electric Machines | --- | Y | Y | 19 |
| 28 | 108106068 | 28 | Analog ICs | Y | Y | Y | 6.1 |
| 29 | 108106069 | 40 | Digital Integrated Circuits | Y | Y | Y | 9.2 |
| 30 | 108106073 | 42 | Electromagnetic Fields | Y | Y | Y | 11 |
| 31 | 108106075 | 50 | Networks and Systems | Y | Y | Y | 12 |
| 32 | 108106083 | 96 | Probability Foundation for Electrical Engineers | Y | Y | Y | 36 |
| 33 | 108108031 | 42 | An Introduction to Electronics Systems Packaging | Y | Y | Y | 20 |
| 34 | 108108034 | 40 | Power Electronics and Distributed Generation | Y | Y | Y | 14 |
| 35 | 108108035 | 40 | Pulse width Modulation for Power Electronic Converters | Y | Y | Y | 12 |

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|----|---------------------------|-----|--|---|---|---|-----|
| 36 | 108108036 | 40 | Switched Mode Power Conversion | Y | Y | Y | 19 |
| 37 | 108108076 | 39 | Basic Electrical Technology | Y | Y | Y | 11 |
| 38 | 108108077 | 37 | Industrial Drives - Power Electronics | Y | Y | Y | 7.6 |
| 39 | 108106084 | 131 | NOC:Analog Circuits | Y | Y | Y | 8.7 |
| 40 | 108106085 | 29 | NOC:Introduction to Non Linear Dynamics | Y | Y | Y | 0.5 |
| 41 | 108105088 | 52 | NOC:Industrial Automation and Control | Y | Y | Y | 13 |
| 42 | 108104087 | 85 | NOC:Electromagnetic Theory | Y | Y | Y | 4.6 |
| 43 | 108101089 | 28 | Fabrication of Silicon VLSI Circuits using the MOS technology | Y | Y | Y | 31 |
| 44 | 108101090 | 83 | NOC:Computational Electromagnetics and Applications | Y | Y | Y | 29 |
| 45 | 108101092 | 60 | NOC:Antennas | Y | Y | Y | 22 |
| 46 | 108101094 | 41 | NOC:Analog Circuits | Y | Y | Y | 14 |
| 47 | 108101093 | 71 | NOC:Fundamentals of Wavelets, Filter Banks and Time Frequency Analysis | Y | Y | Y | 21 |
| 48 | 108101091 | 72 | NOC:Basic Electronics | Y | Y | Y | 3.5 |
| 49 | 108104092 | 33 | NOC:An Introduction to Coding Theory | Y | Y | Y | 2.6 |
| 50 | 108102095 | 51 | Analog Electronic Circuits | Y | Y | Y | 63 |
| 51 | 108102096 | 38 | Digital Communication | Y | Y | Y | 62 |
| 52 | 108102097 | 40 | Introduction To Electronic Circuits | Y | Y | Y | 32 |
| 53 | 108105091 | 20 | NOC:Medical Image Analysis | Y | Y | Y | 6.0 |
| 54 | 108104091 | 52 | NOC:Principles of Communication - Part I | Y | Y | Y | 2.8 |
| 55 | 108107098 | 40 | NOC:Optimal Control | Y | Y | Y | 9.7 |
| 56 | 108106098 | 55 | NOC:Control Engineering | Y | Y | Y | 23 |
| 57 | 108104098 | 56 | NOC:Principles of Communication Systems - Part II | Y | Y | Y | 3.1 |
| 58 | 108104099 | 66 | NOC:Applied Engineering Electromagnetics | Y | Y | Y | 4.3 |
| 59 | 108108098 | 31 | NOC:Design for Internet of Things | Y | Y | Y | 13 |
| 60 | 108108099 | 40 | NOC:Advances in UHV Transmission and Distribution | Y | Y | Y | 10 |
| 61 | 108103108 | 24 | NOC:Optimization Techniques for Digital VLSI Design | Y | Y | Y | 9.5 |
| 62 | 108108110 | 34 | NOC:Electronics Enclosures Thermal Issues | Y | Y | Y | 10 |
| 63 | 108106106 | 73 | NOC:Probability Foundations for Electrical Engineers | Y | Y | Y | 74 |
| 64 | 108105104 | 61 | NOC:Power System Engineering | Y | Y | Y | 16 |
| 65 | 108104100 | 75 | NOC:Principles of Signals and Systems | Y | Y | Y | 16 |
| 66 | 108105103 | 60 | NOC:Deep Learning for Visual Computing | Y | Y | Y | 13 |
| 67 | 108105101 | 68 | NOC:Biomedical Signal Processing | Y | Y | Y | 17 |
| 68 | 108105102 | 64 | NOC:Microprocessors and Microcontrollers | Y | Y | Y | 15 |
| 69 | 108108109 | 79 | NOC:Mathematical Methods and Techniques in Signal Processing | Y | Y | Y | 19 |
| 70 | 108108111 | 59 | NOC:Integrated Circuits, MOSFETs, Op-Amps and their Applications | Y | Y | Y | 20 |
| 71 | 108101112 | 60 | NOC:Microwave Theory and Techniques | Y | Y | Y | 49 |
| 72 | 108101113 | 65 | NOC:Principles of Digital Communications | Y | Y | Y | 56 |
| 73 | 108102112 | 40 | NOC:Analog Electronic Circuit | Y | Y | Y | 34 |

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|-----|---------------------------|----|--|-----|---|---|-----|
| 74 | 108102113 | 10 | NOC:Nonlinear and Adaptive Control | Y | Y | Y | 8.1 |
| 75 | 108103112 | 24 | NOC:Advanced Topics in Probability and Random Processes | Y | Y | Y | 4.0 |
| 76 | 108104112 | 79 | NOC:Applied Optimization for Wireless, Machine Learning, Big Data | Y | Y | Y | 14 |
| 77 | 108104113 | 61 | NOC:Fiber-Optic Communication Systems and Techniques | Y | Y | Y | 13 |
| 78 | 108105112 | 64 | NOC:Fundamentals of Electrical Engineering | Y | Y | Y | 19 |
| 79 | 108105113 | 65 | NOC:Digital Circuits | Y | Y | Y | 13 |
| 80 | 108105114 | 40 | NOC:Analysis and Design Principles of Microwave Antennas | Y | Y | Y | 11 |
| 81 | 108105118 | 67 | NOC:Architectural Design of Digital Integrated Circuits | Y | Y | Y | 4.9 |
| 82 | 108107112 | 40 | NOC:Electrical Distribution System Analysis | Y | Y | Y | 7.2 |
| 83 | 108107113 | 40 | NOC:Introduction to Smart Grid | Y | Y | Y | 10 |
| 84 | 108107114 | 40 | NOC:Facts Devices | Y | Y | Y | 8.1 |
| 85 | 108107115 | 40 | NOC:Advanced Linear Continuous Control Systems: Applications with MATLAB Programming and Simulink | Y | Y | Y | 6.7 |
| 86 | 108108112 | 55 | NOC:Semiconductor Devices and Circuits | Y | Y | Y | 5.2 |
| 87 | 108108113 | 55 | NOC:Fabrication Techniques for MEMs-based Sensors: Clinical Perspective | Y | Y | Y | 21 |
| 88 | 108108114 | 48 | NOC:Op-Amp Practical Applications:Design,Simulation and Implementation | Y | Y | Y | 18 |
| 89 | 108108115 | 39 | NOC:Physical Modelling for Electronics Enclosures using Rapid Prototyping | Y | Y | Y | 25 |
| 90 | 108108116 | 13 | NOC:Recent Advances in Transmission Insulators | Y | Y | Y | 3.0 |
| 91 | 108102117 | 39 | NOC:Information Theory, Coding and Cryptography | Y | Y | Y | 17 |
| 92 | 108101126 | 98 | NOC:Fundamental of Power Electronics | Y | Y | Y | 24 |
| 93 | 108102120 | 38 | NOC:Principles of Digital Communications | Y | Y | Y | 34 |
| 94 | 108102121 | 17 | NOC:Electric Vehicles - Part 1 | Y | Y | Y | 8.9 |
| 95 | 108104130 | 41 | NOC:Electromagnetic Waves in Guided and Wireless Media | Y | Y | Y | 14 |
| 96 | 108105131 | 90 | NOC:Electrical Machines-II | Y | Y | Y | 24 |
| 97 | 108105132 | 60 | NOC:Digital Electronic Circuits | Y | Y | Y | 17 |
| 98 | 108105133 | 60 | NOC:Power System Dynamics, Control and Monitoring | Y | Y | Y | 16 |
| 99 | 108105134 | 40 | NOC:Evolution of Air Interface towards 5G | Y | Y | Y | 11 |
| 100 | 108106135 | 48 | NOC:Introduction to Photonics | Y | Y | Y | 87 |
| 101 | 108106136 | 69 | NOC:Multirate DSP | Y | Y | Y | 126 |
| 102 | 108106137 | 37 | NOC:LDPC and Polar Codes in 5G Standard | Y | Y | Y | 64 |
| 103 | 108106138 | 29 | NOC:Electromagnetic Compatibility, EMC | Y | Y | Y | 37 |
| 104 | 108107127 | 60 | NOC:Computer Aided Power System Analysis | Y | Y | Y | 9.3 |
| 105 | 108107128 | 40 | NOC:Advance Power Electronics and Control | Y | Y | Y | 6.9 |
| 106 | 108107129 | 40 | NOC:CMOS Digital VLSI Design | Y | Y | Y | 9.9 |
| 107 | 108108122 | 59 | NOC:Fundamentals of Semiconductor Devices | Y | Y | Y | 6.1 |
| 108 | 108108123 | 44 | NOC:Advanced IOT Applications | Y | Y | Y | 16 |
| 109 | 108108124 | 71 | NOC:Electronic Systems for Cancer Diagnosis | Y | Y | Y | 17 |
| 110 | 108108125 | 53 | NOC:Electronic Modules for Industrial Applications using Op-Amps | Y | Y | Y | 13 |
| 111 | 108108148 | 66 | NOC:Neural Networks for Signal Processing – I | --- | Y | Y | 13 |

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|-----|---------------------------|-----|--|-----|---|-----|-----|
| 112 | 108102145 | 24 | NOC:Power Electronics | Y | Y | Y | 25 |
| 113 | 108102146 | 41 | NOC:Electrical Machines | Y | Y | Y | 29 |
| 114 | 108103141 | 37 | NOC:Microwave Engineering | Y | Y | Y | 22 |
| 115 | 108104139 | 60 | NOC:Basic Electric Circuits | Y | Y | Y | 26 |
| 116 | 108104140 | 40 | NOC:Fundamentals of Electric Drives | --- | Y | Y | 14 |
| 117 | 108105153 | 84 | NOC:Electrical Measurement and Electronic Instruments | Y | Y | Y | 32 |
| 118 | 108105154 | 60 | NOC:Principles and Techniques of Modern Radar Systems | Y | Y | Y | 17 |
| 119 | 108105155 | 94 | NOC:Electrical Machines - I | Y | Y | Y | 27 |
| 120 | 108106149 | 103 | NOC:Mapping Signal Processing Algorithms to Architectures | --- | Y | Y | 64 |
| 121 | 108106150 | 47 | NOC:Linear System Theory | Y | Y | Y | 29 |
| 122 | 108106151 | 82 | NOC:Digital Signal Processing | Y | Y | Y | 63 |
| 123 | 108106152 | 117 | NOC:Computational Electromagnetics | Y | Y | Y | 85 |
| 124 | 108107142 | 60 | NOC:Microelectronics: Devices to Circuits | Y | Y | Y | 12 |
| 125 | 108107143 | 40 | NOC:DC Microgrid | Y | Y | Y | 11 |
| 126 | 108108147 | 63 | NOC:Sensors and Actuators | Y | Y | Y | 35 |
| 127 | 108102119 | 41 | Engineering Electromagnetics | --- | Y | --- | 5.4 |
| 128 | 108106165 | 23 | NOC:A Brief Introduction of Micro-Sensors | Y | Y | Y | 22 |
| 129 | 108105158 | 99 | NOC:Analog Electronic Circuits | Y | Y | Y | 65 |
| 130 | 108106160 | 67 | NOC:DC Power Transmission Systems | Y | Y | Y | 42 |
| 131 | 108106158 | 80 | NOC:Digital IC Design | Y | Y | Y | 74 |
| 132 | 108108157 | 39 | NOC:Electronics Equipment Integration and Prototype Building | Y | Y | Y | 21 |
| 133 | 108104157 | 60 | NOC:Fuzzy Sets, Logic and Systems and Applications | Y | Y | Y | 18 |
| 134 | 108102157 | 43 | NOC:High Power Multilevel Converters - Analysis, Design and Operational Issues | Y | Y | Y | 53 |
| 135 | 108106164 | 43 | NOC:Linear Dynamical Systems | Y | Y | Y | 47 |
| 136 | 108103157 | 34 | NOC:Microprocessors and Interfacing | Y | Y | Y | 14 |
| 137 | 108105159 | 82 | NOC:Network Analysis | Y | Y | Y | 39 |
| 138 | 108106162 | 51 | NOC:Nonlinear System Analysis | Y | Y | Y | 19 |
| 139 | 108106161 | 44 | NOC:Optical Engineering | Y | Y | Y | 49 |
| 140 | 108106159 | 103 | NOC:Power Management Integrated Circuits | Y | Y | Y | 57 |
| 141 | 108107157 | 40 | NOC:Power Quality Improvement Technique | Y | Y | Y | 5.2 |
| 142 | 108106163 | 87 | NOC:Signals and Systems | --- | Y | --- | 54 |
| 143 | 108103158 | 39 | NOC:Statistical Signal Processing | Y | Y | Y | 16 |
| 144 | 108106157 | 33 | NOC:Transmission Lines and Electromagnetic Waves | Y | Y | Y | 35 |
| 145 | 108105157 | 39 | NOC:VLSI Signal Processing | Y | Y | Y | 15 |
| 146 | 108102156 | 34 | Special Electromechanical Systems | --- | Y | --- | 6.0 |
| 147 | 108108166 | 53 | NOC:Design and Simulation of Power conversion using open source tools | --- | Y | --- | 4.1 |
| 148 | 108101167 | 40 | NOC:Electrical Equipment and Machines: Finite Element Analysis | Y | Y | Y | 9.0 |

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| 149 | 108106167 | 120 | NOC:Fiber Optic Communication Technology | --- | Y | --- | 7.2 |
| 150 | 108106168 | 83 | NOC:Image Signal Processing | --- | Y | --- | 7.2 |
| 151 | 108108168 | 68 | NOC:Information Theory | --- | Y | --- | 4.2 |
| 152 | 108102169 | 40 | NOC:Introduction to Embedded System Design | Y | Y | --- | 5.9 |
| 153 | 108108167 | 65 | NOC:Introductory Neuroscience and Neuro-Instrumentation | Y | Y | Y | 6.2 |
| 154 | 108104167 | 34 | NOC:Peer to Peer Networks | Y | Y | Y | 5.4 |
| 155 | 108105167 | 52 | NOC:Power System Protection | Y | Y | Y | 27 |
| 156 | 108107167 | 40 | NOC:Power System Protection and Switchgear | Y | Y | Y | 4.6 |
| 157 | 108106170 | 76 | NOC:Fundamentals of Electric Vehicles: Technology and Economics | Y | Y | --- | 8.3 |
| 158 | 108106171 | 48 | NOC:Applied Linear Algebra | --- | Y | --- | 5.9 |
| 159 | 108106172 | 143 | NOC:Basic Electrical Circuits | --- | Y | --- | 3.4 |
| 160 | 108106173 | 42 | NOC:Optical Fiber Sensors | --- | Y | --- | 5.0 |
| 161 | 108101174 | 94 | NOC:Digital Signal Processing and its Applications | Y | Y | Y | 3.6 |
| 162 | 108103174 | 41 | NOC:Computer Vision and Image Processing - Fundamentals and Applications | Y | Y | Y | 4.4 |
| 163 | 108104174 | 70 | NOC:Applied Linear Algebra for Signal Processing, Data Analytics and Machine Learning | --- | Y | --- | 7.2 |
| 164 | 108106174 | 78 | NOC:Introduction to Time - Varying Electrical Networks | --- | Y | --- | 9.3 |
| 165 | 108106177 | 71 | NOC:Digital System Design | Y | Y | Y | 4.5 |
| 166 | 108108174 | 51 | NOC:Photonic Integrated Circuit | Y | Y | Y | 6.1 |
| 167 | 108102179 | 45 | NOC:Power Quality | --- | Y | --- | 7.0 |
| 168 | 108103179 | 27 | NOC:System Design through VERILOG | Y | Y | Y | 2.2 |
| 169 | 108105179 | 64 | NOC:Signal Processing for mm Wave communication for 5G and beyond | --- | Y | --- | 5.5 |
| 170 | 108105180 | 60 | NOC:Control and Tuning Methods in Switched Mode Power Converters | --- | Y | Y | 8.5 |
| 171 | 108105181 | 69 | NOC:Advanced Microwave Guided-Structures and Analysis | Y | Y | Y | 4.5 |
| 172 | 108106179 | 81 | NOC:Stochastic Modeling and the Theory of Queues | --- | Y | --- | 5.8 |
| 173 | 108106180 | 40 | NOC:Integrated Photonics Devices and Circuits | --- | Y | --- | 9.6 |
| 174 | 108106181 | 78 | NOC:Introduction to Semiconductor Devices | Y | Y | Y | 5.6 |
| 175 | 108108179 | 52 | NOC:Design for Internet of Things | Y | Y | Y | 6.9 |
| 176 | 108108180 | 42 | NOC:Mathematical Aspects of Biomedical Electronic System Design | Y | Y | Y | 4.1 |
| 177 | 108108181 | 26 | NOC:Concentration Inequalities | Y | Y | Y | 2.7 |
| 178 | 108106182 | 97 | NOC:Electric Vehicles and Renewable Energy | --- | Y | --- | 8.5 |
| 179 | 108103183 | 44 | NOC:Usability Engineering | Y | Y | Y | 6.0 |
| 180 | 108101185 | 65 | NOC:Stochastic Control and Communication | --- | Y | --- | 5.6 |
| 181 | 108102185 | 42 | NOC:Introduction to Electrical Engineering | --- | Y | --- | 6.5 |
| 182 | 108103185 | 85 | NOC:Probability and Random Processes | --- | Y | --- | 3.5 |
| 183 | 108105185 | 60 | NOC:Cognition and its Computation | --- | Y | --- | 5.9 |
| 184 | 108105186 | 120 | NOC:Digital Control in Switched Mode Power Converters and FPGA-based Prototyping | --- | Y | --- | 7.6 |

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| 185 | 108105187 | 41 | NOC:VLSI Interconnects | --- | Y | --- | 3.8 |
| 186 | 108106184 | 65 | Phase-locked loops | --- | Y | --- | 6.9 |
| 187 | 108106186 | 64 | NOC:Fundamentals of Nano and Quantum Photonics | --- | Y | --- | 5.2 |
| 188 | 108108185 | 56 | NOC:Real-Time Digital Signal Processing | --- | Y | --- | 4.7 |
| Discipline : Humanities and Social Sciences Go to Top | | | | | | | |
| Video Lecture Topics @ http://www.digimat.in/downloads/topics/humanities-and-social-sciences.pdf | | | | | | | |
| 1 | 109101004 | 42 | Contemporary Issues in Philosophy of Mind and Cognition | Y | Y | Y | 30 |
| 2 | 109101017 | 41 | Understanding Creativity and Creative Writing | Y | Y | Y | 28 |
| 3 | 109103019 | 40 | Cultural Studies | Y | Y | Y | 22 |
| 4 | 109103020 | 38 | English Language and Literature | Y | Y | Y | 18 |
| 5 | 109103021 | 40 | Game Theory and Economics | Y | Y | Y | 22 |
| 6 | 109104031 | 40 | Communication Skills | Y | Y | Y | 12 |
| 7 | 109104035 | 43 | International Economics | Y | Y | Y | 9.9 |
| 8 | 109104040 | 44 | Introduction to Logic | Y | Y | Y | 18 |
| 9 | 109104045 | 40 | Population and Society | Y | Y | Y | 8.6 |
| 10 | 109104073 | 22 | Macro Economics | Y | Y | Y | 7.7 |
| 11 | 109104074 | 41 | Introduction to Sociology | Y | Y | Y | 9.8 |
| 12 | 109104076 | 40 | Money and Banking | Y | Y | Y | 7.6 |
| 13 | 109104081 | 40 | Human Adjustment Processes | Y | Y | Y | 8.4 |
| 14 | 109104082 | 35 | Selected Topics in Psychology | Y | Y | Y | 9.2 |
| 15 | 109104088 | 48 | NOC:Elements of Visual Representation | Y | Y | Y | 5.8 |
| 16 | 109106052 | 40 | Aspects of Western Philosophy | Y | Y | Y | 31 |
| 17 | 109106053 | 40 | Contemporary Literature | Y | Y | Y | 11 |
| 18 | 109106058 | 36 | History of Economic Theory | Y | Y | Y | 15 |
| 19 | 109106059 | 42 | Indian Philosophy | Y | Y | Y | 14 |
| 20 | 109106067 | 38 | Better Spoken English | Y | Y | Y | 15 |
| 21 | 109106079 | 40 | Introduction to Film Studies | Y | Y | Y | 16 |
| 22 | 109106080 | 41 | Introduction to Modern Linguistics | Y | Y | Y | 30 |
| 23 | 109106083 | 41 | Principles and Parameters in Natural Language | Y | Y | Y | 32 |
| 24 | 109106084 | 41 | NOC:Literary Criticism and Literary Theory | Y | Y | Y | 9.1 |
| 25 | 109106085 | 40 | NOC:Language and Mind | Y | Y | Y | 5.9 |
| 26 | 109106086 | 43 | NOC:Film Appreciation | Y | Y | Y | 11 |
| 27 | 109106087 | 74 | NOC:Appreciating Carnatic Music | Y | Y | Y | 16 |
| 28 | 109106089 | 38 | NOC:Infrastructure Economics | Y | Y | Y | 5.5 |
| 29 | 109104090 | 40 | NOC:Practical English: Learning and Teaching | Y | Y | Y | 11 |
| 30 | 109106091 | 20 | NOC:Language and Society | Y | Y | Y | 3.6 |
| 31 | 109104093 | 24 | NOC:Brief introduction to Psychology | Y | Y | Y | 5.0 |
| 32 | 109106092 | 20 | NOC:Issues in Bioethics | Y | Y | Y | 5.6 |

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|----|---------------------------|----|---|---|---|---|-----|
| 33 | 109106094 | 38 | NOC:Technical English for Engineers | Y | Y | Y | 19 |
| 34 | 109106095 | 22 | NOC:Health Research Fundamentals | Y | Y | Y | 7.3 |
| 35 | 109104032 | 39 | Ethics | Y | Y | Y | 12 |
| 36 | 109105098 | 20 | NOC:Legal Compliance for Incorporating Startup | Y | Y | Y | 4.9 |
| 37 | 109105097 | 20 | NOC:Technology Transfer through Joint Venture | Y | Y | Y | 5.0 |
| 38 | 109104096 | 20 | NOC:Psychiatry:An overview | Y | Y | Y | 1.4 |
| 39 | 109105111 | 40 | NOC:Symbolic Logic | Y | Y | Y | 8.9 |
| 40 | 109105110 | 40 | NOC:Soft Skill Development | Y | Y | Y | 9.4 |
| 41 | 109105113 | 39 | NOC:Globalization and Culture | Y | Y | Y | 11 |
| 42 | 109104107 | 48 | NOC:Developing Soft Skills and Personality | Y | Y | Y | 5.1 |
| 43 | 109104106 | 44 | NOC:Folk and Minor Art in India | Y | Y | Y | 3.4 |
| 44 | 109104105 | 43 | NOC:Introduction to Psychology | Y | Y | Y | 2.7 |
| 45 | 109104108 | 20 | NOC:How the Brain Creates Mind | Y | Y | Y | 1.8 |
| 46 | 109104102 | 20 | NOC:Introduction to Indian Art - An appreciation | Y | Y | Y | 1.6 |
| 47 | 109104109 | 20 | NOC:Understanding Design Thinking and People Centered Design | Y | Y | Y | 1.5 |
| 48 | 109104104 | 20 | NOC:Probability and Stochastic for Finance II | Y | Y | Y | 1.8 |
| 49 | 109104103 | 25 | NOC:Basic Concepts of Modal Logic | Y | Y | Y | 2.1 |
| 50 | 109106099 | 45 | NOC:American Literature and Culture | Y | Y | Y | 30 |
| 51 | 109103101 | 24 | NOC:Digital Human Modeling and Simulation for Virtual Ergonomics Evaluation | Y | Y | Y | 34 |
| 52 | 109106114 | 32 | NOC:Applied Linguistics | Y | Y | Y | 24 |
| 53 | 109106100 | 20 | NOC:Economics of IPR | Y | Y | Y | 8.0 |
| 54 | 109105112 | 40 | NOC:Introduction on Intellectual Property to Engineers and Technologists | Y | Y | Y | 11 |
| 55 | 109107115 | 15 | NOC:Time value of money-Concepts and Calculations | Y | Y | Y | 3.5 |
| 56 | 109107119 | 20 | NOC:Depreciation, Alternate Investment and Profitability Analysis | Y | Y | Y | 5.4 |
| 57 | 109104116 | 20 | NOC:Postcolonial Literature | Y | Y | Y | 1.5 |
| 58 | 109105116 | 40 | NOC:Emotional Intelligence | Y | Y | Y | 11 |
| 59 | 109104117 | 20 | NOC:Introducing Modern Western Art: Movements and Artists | Y | Y | Y | 1.7 |
| 60 | 109104115 | 40 | NOC:Enhancing Soft Skills and Personality | Y | Y | Y | 3.5 |
| 61 | 109105118 | 20 | NOC:Great Experiments in Psychology | Y | Y | Y | 5.5 |
| 62 | 109106117 | 20 | NOC:Ethics | Y | Y | Y | 12 |
| 63 | 109105115 | 46 | NOC:Qualitative Research Methods | Y | Y | Y | 9.5 |
| 64 | 109106120 | 17 | NOC:The Renaissance and Shakespeare | Y | Y | Y | 1.7 |
| 65 | 109106116 | 60 | NOC:English Language for Competitive Exams | Y | Y | Y | 27 |
| 66 | 109105117 | 39 | NOC:Speaking Effectively | Y | Y | Y | 8.7 |
| 67 | 109107121 | 60 | NOC:Soft Skills | Y | Y | Y | 19 |
| 68 | 109106122 | 33 | NOC:Literature for Competitive Exams | Y | Y | Y | 18 |
| 69 | 109104121 | 20 | NOC:Cognition, Transformation and Lives | Y | Y | Y | 1.5 |

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| 70 | 109104122 | 20 | NOC:Visual Perception and Art: A Survey Across the Cultures | Y | Y | Y | 1.7 |
| 71 | 109104123 | 39 | NOC:Introduction to Basic Cognitive Processes | Y | Y | Y | 3.0 |
| 72 | 109104124 | 40 | NOC:Calculus of One Real Variable | Y | Y | Y | 2.5 |
| 73 | 109103121 | 36 | NOC:Science, Technology and Society | Y | Y | Y | 15 |
| 74 | 109103122 | 21 | NOC:Gender and Literature | Y | Y | Y | 14 |
| 75 | 109103123 | 31 | NOC:Ecology and Society | Y | Y | Y | 13 |
| 76 | 109106124 | 68 | NOC:History of English Language and Literature | Y | Y | Y | 24 |
| 77 | 109105121 | 60 | NOC:Human Resource Development | Y | Y | Y | 16 |
| 78 | 109105122 | 38 | NOC:Educational Leadership | Y | Y | Y | 11 |
| 79 | 109107131 | 20 | NOC:Sociology of Science | Y | Y | Y | 6.0 |
| 80 | 109107132 | 20 | NOC:Perspectives on Neurolinguistic | Y | Y | Y | 5.3 |
| 81 | 109106128 | 53 | NOC:Patent Drafting for Beginners | Y | Y | Y | 8.2 |
| 82 | 109106129 | 19 | NOC:Business English Communication | Y | Y | Y | 18 |
| 83 | 109105127 | 40 | NOC:Strategic Performance Management | Y | Y | Y | 12 |
| 84 | 109106130 | 40 | NOC:Postmodernism in Literature | Y | Y | Y | 33 |
| 85 | 109104126 | 40 | NOC:Introduction to Advanced Cognitive Processes | Y | Y | Y | 11 |
| 86 | 109104125 | 141 | NOC:An Introduction to Microeconomics | Y | Y | Y | 15 |
| 87 | 109103133 | 30 | NOC:Sociological Perspectives on Modernity | Y | Y | Y | 13 |
| 88 | 109103134 | 30 | NOC:Introduction to Cognitive Psychology | Y | Y | Y | 9.4 |
| 89 | 109103135 | 30 | NOC:Introduction to Modern Indian Political Thought | Y | Y | Y | 23 |
| 90 | 109103136 | 20 | NOC:Consumer Psychology | Y | Y | Y | 19 |
| 91 | 109104135 | 35 | NOC:Introduction to Literary Theory | Y | Y | Y | 10 |
| 92 | 109104136 | 20 | NOC:Development of Sociology in India | Y | Y | Y | 5.0 |
| 93 | 109105135 | 20 | NOC:Introduction to Basic Spoken Sanskrit | --- | Y | --- | 6.7 |
| 94 | 109105136 | 20 | NOC:Water, Society and Sustainability | Y | Y | Y | 6.5 |
| 95 | 109106135 | 47 | NOC:Indian Fiction in English | Y | Y | Y | 60 |
| 96 | 109106136 | 58 | NOC:Introduction to Cultural Studies | Y | Y | Y | 45 |
| 97 | 109106137 | 78 | NOC:Intellectual Property | Y | Y | Y | 15 |
| 98 | 109106138 | 54 | NOC:Short Fiction in Indian Literature | Y | Y | Y | 54 |
| 99 | 109103140 | 27 | NOC:Introduction to Modern Indian Drama | Y | Y | Y | 10 |
| 100 | 109103141 | 30 | NOC:Introduction to Political Theory | Y | Y | Y | 26 |
| 101 | 109103142 | 21 | NOC:Human Behaviour | Y | Y | Y | 21 |
| 102 | 109104143 | 38 | NOC:Introduction to the Psychology of Language | Y | Y | Y | 19 |
| 103 | 109105144 | 40 | NOC:Employment Communication A Lab based course | Y | Y | Y | 15 |
| 104 | 109106145 | 57 | NOC:The Nineteenth-Century English Novel | Y | Y | Y | 94 |
| 105 | 109106146 | 51 | NOC:Feminist Writings | Y | Y | Y | 80 |
| 106 | 109106147 | 50 | NOC:Introduction to World Literature | Y | Y | Y | 77 |
| 107 | 109106148 | 44 | NOC:Managing Intellectual Property in Universities | Y | Y | Y | 3.7 |

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|-----|---------------------------|----|---|-----|---|-----|-----|
| 108 | 109106149 | 40 | NOC:English Literature of the Romantic Period, 1798-1832 | Y | Y | Y | 27 |
| 109 | 109107139 | 60 | NOC:Literature, Culture and Media | Y | Y | Y | 12 |
| 110 | 109106170 | 80 | Introduction to Film Studies (2019) | --- | Y | --- | 85 |
| 111 | 109102156 | 38 | NOC:Text, Sexuality and Digital Media | Y | Y | Y | 30 |
| 112 | 109102157 | 23 | NOC:Positive Psychology | Y | Y | Y | 12 |
| 113 | 109103152 | 20 | NOC:The Psychology of Language | Y | Y | Y | 8.9 |
| 114 | 109103153 | 25 | NOC:Development Research Methods | Y | Y | Y | 10 |
| 115 | 109104150 | 20 | NOC:Population Studies | Y | Y | Y | 9.1 |
| 116 | 109104151 | 15 | NOC:Psychology of Everyday | Y | Y | Y | 14 |
| 117 | 109105169 | 45 | NOC:Intermediate Level of Spoken Sanskrit | Y | Y | --- | 12 |
| 118 | 109106159 | 65 | NOC:Appreciating Linguistics: A Typological Approach | Y | Y | Y | 121 |
| 119 | 109106160 | 15 | NOC:Inclusion and Technology Design | Y | Y | Y | 39 |
| 120 | 109106161 | 28 | NOC:Energy Economics and Policy | Y | Y | Y | 25 |
| 121 | 109106163 | 19 | NOC:The Victorian Gothic Short Story | Y | Y | Y | 38 |
| 122 | 109106165 | 51 | NOC:German-II | Y | Y | Y | 74 |
| 123 | 109106166 | 46 | NOC:German-I | Y | Y | Y | 80 |
| 124 | 109106168 | 33 | NOC:Disability Studies: An Introduction | Y | Y | Y | 50 |
| 125 | 109107154 | 20 | NOC:Body language: Key to professional Success | Y | Y | Y | 4.0 |
| 126 | 109107155 | 40 | NOC:Interpersonal Skills | Y | Y | Y | 8.9 |
| 127 | 109108158 | 23 | NOC:Artistic Exploration in Scientific Research and Technology | Y | Y | Y | 4.7 |
| 128 | 109107172 | 20 | NOC:Effective Writing | Y | Y | Y | 6.5 |
| 129 | 109101171 | 56 | NOC:Energy Resources, Economics and Environment | Y | Y | Y | 43 |
| 130 | 109106175 | 34 | NOC:Feminism: Concepts and Theories | Y | Y | Y | 38 |
| 131 | 109103171 | 22 | NOC:Indian Business History | Y | Y | Y | 11 |
| 132 | 109104171 | 40 | NOC:Introduction to Brain and Behaviour | Y | Y | Y | 15 |
| 133 | 109107171 | 60 | NOC:Introduction to Environmental Economics | Y | Y | Y | 9.7 |
| 134 | 109106174 | 46 | NOC:Introduction to Political Ideologies: Contexts, Ideas and Practices | Y | Y | Y | 38 |
| 135 | 109106171 | 53 | NOC:Literary Criticism (From Plato to Leavis) | --- | Y | Y | 34 |
| 136 | 109106173 | 44 | NOC:Modern Indian Writing in Translation | Y | Y | Y | 27 |
| 137 | 109107173 | 60 | NOC:Strategic Trade and Protectionism - Theories and Empirics | Y | Y | Y | 9.8 |
| 138 | 109106172 | 61 | NOC:Twentieth Century Fiction | Y | Y | Y | 62 |
| 139 | 109106180 | 60 | NOC:Classical Sociological Theory | Y | Y | Y | 7.1 |
| 140 | 109105176 | 40 | NOC:Entrepreneurship and IP strategy | Y | Y | Y | 29 |
| 141 | 109103176 | 30 | NOC:Introduction to Western Political Thought | Y | Y | Y | 15 |
| 142 | 109104176 | 20 | NOC:Modern Indian Art From the Colonial Period to the Present | Y | Y | Y | 1.8 |
| 143 | 109106176 | 76 | NOC:Poetry | Y | Y | Y | 16 |
| 144 | 109106177 | 62 | NOC:The Popular Gothic Novel | Y | Y | Y | 4.9 |
| 145 | 109104181 | 45 | NOC:Introduction to Japanese Language and Culture | --- | Y | --- | 7.5 |

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|-----|---------------------------|----|---|-----|---|-----|-----|
| 146 | 109103182 | 34 | NOC:Psychology of Stress, Health and Well-being | Y | Y | Y | 7.9 |
| 147 | 109103183 | 27 | NOC:Phonetics and Phonology: A Broad Overview | Y | Y | Y | 2.9 |
| 148 | 109103184 | 23 | NOC:Philosophical Foundations of Social Research | --- | Y | --- | 6.5 |
| 149 | 109104182 | 42 | NOC:Applied Statistics and Econometrics | --- | Y | --- | 6.9 |
| 150 | 109104183 | 40 | NOC:Literature and Coping Skills | Y | Y | Y | 12 |
| 151 | 109104184 | 40 | NOC:Indian Economy: Some Contemporary Perspectives | Y | Y | Y | 3.7 |
| 152 | 109106182 | 41 | NOC:Basics of Language Science | Y | Y | Y | 14 |
| 153 | 109106183 | 60 | NOC:Globalization: Theoretical Perspectives | Y | Y | Y | 8.2 |
| 154 | 109106184 | 10 | NOC:Towards an Ethical Digital Society: From Theory to Practice | Y | Y | Y | 3.5 |
| 155 | 109107182 | 40 | NOC:Handling Large Scale Unit Level Data Using STATA | Y | Y | Y | 7.5 |
| 156 | 109103185 | 30 | NOC:Sociology of Development | --- | Y | --- | 8.0 |
| 157 | 109103186 | 31 | NOC:Environment and Development | --- | Y | --- | 8.2 |
| 158 | 109103187 | 43 | NOC:Introduction to Market Structures | Y | Y | Y | 4.4 |
| 159 | 109103188 | 34 | NOC:Mathematics for Economics - I | Y | Y | Y | 3.8 |
| 160 | 109105185 | 40 | NOC:Urbanization and Environment | --- | Y | --- | 5.1 |
| 161 | 109106185 | 43 | NOC:Literary and Cultural Disability Studies: An Exploration | Y | Y | Y | 12 |
| 162 | 109106186 | 65 | NOC:Trauma and Literature | Y | Y | Y | 10 |
| 163 | 109106187 | 57 | NOC:Twentieth Century American Drama | --- | Y | --- | 8.1 |
| 164 | 109106188 | 68 | NOC:Fundamental Concepts in Sociolinguistics | --- | Y | --- | 9.5 |
| 165 | 109101189 | 60 | NOC:Introduction to Paninian Grammar | --- | Y | --- | 7.7 |
| 166 | 109103189 | 20 | NOC:Language, Culture and Cognition: An Introduction | Y | Y | Y | 4.4 |
| 167 | 109105189 | 27 | NOC:Advanced Level of Spoken Sanskrit | --- | Y | --- | 4.5 |
| 168 | 109105190 | 61 | NOC:Education for Sustainable Development | Y | Y | Y | 7.2 |
| 169 | 109105191 | 60 | NOC:Elements of Literature and Creative Communication | Y | Y | Y | 6.7 |
| 170 | 109105192 | 65 | NOC:Training and Development | Y | Y | Y | 8.3 |
| 171 | 109106189 | 50 | NOC:Literature and Life | --- | Y | --- | 9.8 |
| 172 | 109106190 | 69 | NOC:German - III | --- | Y | --- | 8.2 |
| 173 | 109106191 | 56 | NOC:Appreciating Hindustani Music | --- | Y | --- | 13 |
| 174 | 109107189 | 40 | NOC:Indian Poetry in English | --- | Y | Y | 9.4 |
| 175 | 109107190 | 40 | NOC:Exploring Survey Data on Health Care | --- | Y | Y | 5.1 |
| 176 | 109107191 | 60 | NOC:Contextualizing Gender | Y | Y | Y | 11 |
| 177 | 109104194 | 55 | NOC:Japani Bhasha - Saral Swaroop | --- | Y | --- | 4.2 |
| 178 | 109101195 | 60 | NOC:Sandhi in Paninian Grammar | --- | Y | --- | 6.7 |
| 179 | 109104195 | 42 | NOC:Introduction to Japanese Language and Culture-II | --- | Y | --- | 4.5 |
| 180 | 109104196 | 60 | NOC:Indian Art: Materials, Techniques and Artistic Practices | --- | Y | --- | 6.4 |
| 181 | 109104197 | 20 | NOC:प्रमुख हिंदी कहानियां और भारतीय समाज | --- | Y | --- | 3.8 |
| 182 | 109105195 | 20 | NOC:Sociology and Resource Management | --- | Y | --- | 2.1 |
| 183 | 109105196 | 20 | NOC:Urban Sociology | --- | Y | --- | 1.8 |

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|---|---------------------------|----|--|-----|---|-----|-----|
| 184 | 109105197 | 60 | NOC:Management of Fixed Income Securities | --- | Y | --- | 6.9 |
| 185 | 109106195 | 61 | NOC:An Introduction to Indian Literary Theory | --- | Y | --- | 7.6 |
| 186 | 109107195 | 60 | NOC:Public Speaking | --- | Y | --- | 15 |
| 187 | 109107196 | 62 | NOC:Partition of India in Print Media and Cinema | --- | Y | --- | 14 |
| Discipline : Management Go to Top | | | | | | | |
| Video Lecture Topics @ http://www.digimat.in/downloads/topics/management.pdf | | | | | | | |
| 1 | 110101003 | 41 | Managerial Accounting | Y | Y | Y | 29 |
| 2 | 110101005 | 40 | Managerial Economics | Y | Y | Y | 35 |
| 3 | 110102016 | 40 | Organisation Management | Y | Y | Y | 16 |
| 4 | 110102058 | 38 | Organisation of Engineering Systems and Human Resources Management | Y | Y | Y | 29 |
| 5 | 110104055 | 37 | Strategic Marketing - Contemporary Issues | Y | Y | Y | 7.6 |
| 6 | 110104063 | 58 | NOC:Strategy: An Introduction to game Theory | Y | Y | Y | 2.5 |
| 7 | 110105030 | 40 | Econometric Modelling | Y | Y | Y | 19 |
| 8 | 110105033 | 41 | Organizational Behaviour | Y | Y | Y | 12 |
| 9 | 110105035 | 40 | Security Analysis and Portfolio Management | Y | Y | Y | 19 |
| 10 | 110105039 | 40 | Six Sigma | Y | Y | Y | 8.3 |
| 11 | 110105052 | 40 | International Business Communication | Y | Y | Y | 16 |
| 12 | 110105054 | 40 | Consumer Behaviour | Y | Y | Y | 12 |
| 13 | 110105057 | 40 | International Finance | Y | Y | Y | 11 |
| 14 | 110105060 | 42 | Applied Multivariate Statistical Modeling | Y | Y | Y | 12 |
| 15 | 110106043 | 40 | Infrastructure Finance | Y | Y | Y | 20 |
| 16 | 110106044 | 40 | Manufacturing Systems Management | Y | Y | Y | 18 |
| 17 | 110106045 | 41 | Operations and Supply Chain Management | Y | Y | Y | 18 |
| 18 | 110106050 | 42 | Business Analysis for Engineers | Y | Y | Y | 16 |
| 19 | 110106062 | 40 | NOC:Introduction to Operations Research | Y | Y | Y | 4.0 |
| 20 | 110108047 | 37 | Strategic Management | Y | Y | Y | 16 |
| 21 | 110108056 | 38 | Global Supply Chain Management | Y | Y | Y | 10 |
| 22 | 110104066 | 50 | NOC:Quantitative Finance | Y | Y | Y | 8.7 |
| 23 | 110104065 | 48 | NOC:Managing Services | Y | Y | Y | 12 |
| 24 | 110106064 | 47 | NOC:Introduction to Data Analytics | Y | Y | Y | 2.4 |
| 25 | 110105067 | 50 | Economics / Management / Entrepreneurship | Y | Y | Y | 13 |
| 26 | 110105069 | 32 | NOC:Principles of Human Resource Management | Y | Y | Y | 9.6 |
| 27 | 110104068 | 46 | NOC:Marketing Management - I | Y | Y | Y | 3.1 |
| 28 | 110106072 | 50 | NOC:Introduction to Data analytics | Y | Y | Y | 2.6 |
| 29 | 110104070 | 48 | NOC:Marketing Management - II | Y | Y | Y | 3.7 |
| 30 | 110105071 | 40 | NOC:Commodity Derivatives and Risk Management | Y | Y | Y | 11 |
| 31 | 110105073 | 24 | NOC:Strategic Communication for Sustainable Development | Y | Y | Y | 4.8 |
| 32 | 110107073 | 60 | NOC:Financial Statement Analysis and Reporting | Y | Y | Y | 17 |

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|----|---------------------------|----|---|---|---|---|-----|
| 33 | 110105078 | 39 | NOC:Services Marketing: A Practical Approach | Y | Y | Y | 4.9 |
| 34 | 110107074 | 40 | NOC:Supply Chain Analytics | Y | Y | Y | 9.9 |
| 35 | 110105074 | 40 | NOC:Consumer Behaviour | Y | Y | Y | 8.2 |
| 36 | 110105076 | 40 | NOC:Knowledge Management | Y | Y | Y | 11 |
| 37 | 110105079 | 61 | NOC:Business Ethics | Y | Y | Y | 17 |
| 38 | 110105075 | 41 | NOC:Foundation Course in Managerial Economics | Y | Y | Y | 9.0 |
| 39 | 110104074 | 27 | NOC:Systems Engineering: Theory and Practice | Y | Y | Y | 3.0 |
| 40 | 110104073 | 40 | NOC:Project Management | Y | Y | Y | 2.6 |
| 41 | 110106081 | 78 | NOC:Patent Law for Engineers and Scientists | Y | Y | Y | 27 |
| 42 | 110107080 | 40 | NOC:Marketing Research and Analysis | Y | Y | Y | 11 |
| 43 | 110107081 | 60 | NOC:Project Management for Managers | Y | Y | Y | 16 |
| 44 | 110104080 | 34 | NOC:Total Quality Management - I | Y | Y | Y | 3.3 |
| 45 | 110105080 | 20 | NOC:Gender Justice and Workplace Security | Y | Y | Y | 4.8 |
| 46 | 110105081 | 58 | NOC:Corporate Social Responsibility | Y | Y | Y | 13 |
| 47 | 110105082 | 40 | NOC:Decision Modeling | Y | Y | Y | 11 |
| 48 | 110105083 | 60 | NOC:E-Business | Y | Y | Y | 15 |
| 49 | 110105091 | 31 | NOC:Research Writing | Y | Y | Y | 5.7 |
| 50 | 110104084 | 22 | NOC:Management of New Products and Services | Y | Y | Y | 4.7 |
| 51 | 110104085 | 41 | NOC:Total Quality Management-II | Y | Y | Y | 8.6 |
| 52 | 110104086 | 28 | NOC:Practitioners Course In Descriptive,Predictive and Prescriptive Analytics | Y | Y | Y | 11 |
| 53 | 110105088 | 60 | NOC:Quality Design and Control | Y | Y | Y | 17 |
| 54 | 110105087 | 60 | NOC:Design and Analysis of Experiments | Y | Y | Y | 16 |
| 55 | 110105089 | 60 | NOC:Business Analytics for Management Decision | Y | Y | Y | 20 |
| 56 | 110107092 | 60 | NOC:Business Analytics and Data Mining Modeling using R | Y | Y | Y | 15 |
| 57 | 110105090 | 56 | NOC:Soft Skills for Business Negotiations and Marketing Strategies | Y | Y | Y | 17 |
| 58 | 110103093 | 23 | NOC:Economic Growth and Development | Y | Y | Y | 13 |
| 59 | 110104093 | 61 | NOC:Microeconomics: Theory and Applications | Y | Y | Y | 13 |
| 60 | 110104094 | 60 | NOC:Data Analysis and Decision Making-I | Y | Y | Y | 19 |
| 61 | 110104095 | 51 | NOC:Economics of Health and Health Care | Y | Y | Y | 11 |
| 62 | 110104096 | 26 | NOC:Simulation of Business Systems: An Applied Approach | Y | Y | Y | 7.8 |
| 63 | 110105093 | 60 | NOC:Engineering Econometrics | Y | Y | Y | 18 |
| 64 | 110105094 | 60 | NOC:Industrial Safety Engineering | Y | Y | Y | 16 |
| 65 | 110105095 | 60 | NOC:Management of Inventory Systems | Y | Y | Y | 17 |
| 66 | 110105096 | 40 | NOC:Selected Topics in Decision Modeling | Y | Y | Y | 8.3 |
| 67 | 110105097 | 40 | NOC:Ethics in Engineering Practice | Y | Y | Y | 12 |
| 68 | 110107093 | 60 | NOC:Working Capital Management | Y | Y | Y | 15 |
| 69 | 110107094 | 40 | NOC:Innovation, Business Models and Entrepreneurship | Y | Y | Y | 12 |
| 70 | 110107095 | 20 | NOC:Business Analytics and Data Mining Modeling Using R - Part II | Y | Y | Y | 5.3 |

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| 71 | 110104117 | 20 | NOC:Management of Field Sales | Y | Y | Y | 9.4 |
| 72 | 110104118 | 60 | NOC:Data Analysis and Decision Making-II | Y | Y | Y | 25 |
| 73 | 110104119 | 46 | NOC:Advanced Green Manufacturing Systems | Y | Y | Y | 23 |
| 74 | 110105120 | 40 | NOC:Managing Change in Organizations | Y | Y | Y | 13 |
| 75 | 110105121 | 60 | NOC:Financial Institutions and Markets | Y | Y | Y | 17 |
| 76 | 110105122 | 40 | NOC:Sales and Distribution Management | Y | Y | Y | 17 |
| 77 | 110105123 | 63 | NOC:Six Sigma | Y | Y | Y* | 19 |
| 78 | 110106124 | 27 | NOC:Design Thinking - A Primer | Y | Y | Y | 21 |
| 79 | 110107112 | 40 | NOC:Global Marketing Management | Y | Y | Y | 7.0 |
| 80 | 110107113 | 60 | NOC:Marketing Research and Analysis-II | Y | Y | Y | 11 |
| 81 | 110107114 | 60 | NOC:Business Statistics | Y | Y | Y | 11 |
| 82 | 110107115 | 20 | NOC:MCDM Techniques Using R | Y | Y | Y | 4.7 |
| 83 | 110107116 | 40 | NOC:Manufacturing Strategy | Y | Y | Y | 12 |
| 84 | 110101131 | 40 | NOC:Financial Accounting | Y | Y | Y | 33 |
| 85 | 110101132 | 20 | NOC:Cost Accounting | Y | Y | Y | 17 |
| 86 | 110101133 | 40 | NOC:Game Theory | Y | Y | Y | 24 |
| 87 | 110104125 | 60 | NOC:Data Analysis and Decision Making - III | --- | Y | Y | 15 |
| 88 | 110105137 | 63 | NOC:Performance and Reward Management | Y | Y | Y | 15 |
| 89 | 110105138 | 40 | NOC:The Ethical Corporation | Y | Y | Y | 20 |
| 90 | 110105139 | 43 | NOC:Intellectual Property Rights and Competition Law | Y | Y | Y | 11 |
| 91 | 110105140 | 40 | NOC:Patent Search for Engineers and Lawyers | Y | Y | Y | 11 |
| 92 | 110106134 | 34 | NOC:Decision-Making Under Uncertainty | Y | Y | Y | 32 |
| 93 | 110106135 | 34 | NOC:Decision making using financial accounting | Y | Y | Y | 52 |
| 94 | 110107126 | 48 | NOC:Training Of Trainers | Y | Y | Y | 27 |
| 95 | 110107127 | 60 | NOC:Management Accounting | Y | Y | Y | 10 |
| 96 | 110107128 | 60 | NOC:Financial Derivatives and Risk Management | Y | Y | Y | 17 |
| 97 | 110107129 | 40 | NOC:Business Analytics and Text Mining Modeling Using Python | Y | Y | Y | 5.8 |
| 98 | 110107130 | 40 | NOC:Toyota Production System | Y | Y | Y | 13 |
| 99 | 110105144 | 41 | NOC:Behavioral and Personal Finance | Y | Y | Y | 19 |
| 100 | 110106141 | 61 | NOC:Entrepreneurship | Y | Y | Y | 36 |
| 101 | 110107144 | 60 | NOC:Financial Management for Managers | Y | Y | Y | 12 |
| 102 | 110108141 | 36 | NOC:Integrated Marketing Management | Y | Y | Y | 11 |
| 103 | 110101141 | 49 | NOC:Introduction to Stochastic Processes | Y | Y | Y | 57 |
| 104 | 110101142 | 63 | NOC:Introduction to System Dynamics Modeling | Y | Y | Y | 38 |
| 105 | 110105143 | 60 | NOC:Management of Commercial Banking | Y | Y | Y | 30 |
| 106 | 110105142 | 66 | NOC:Marketing Analytics | Y | Y | Y | 18 |
| 107 | 110105141 | 62 | NOC:Modelling and Analytics for Supply Chain Management | Y | Y | Y | 17 |
| 108 | 110107141 | 60 | NOC:Production and Operation Management (Prof. Rajat Agarwal) | Y | Y | Y | 14 |

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| 109 | 110107143 | 60 | NOC:Production and Operation Management (Prof. Santosh Rangnekar) | Y | Y | Y | 13 |
| 110 | 110107142 | 40 | NOC:Services Marketing: Integrating People, Technology, Strategy | Y | Y | Y | 4.1 |
| 111 | 110105145 | 42 | NOC:Customer Relationship Management | Y | Y | Y | 17 |
| 112 | 110105147 | 60 | NOC:Decision Support System for Managers | Y | Y | --- | 19 |
| 113 | 110106147 | 120 | NOC:Financial Accounting (IIT Mandi) | Y | Y | Y | 7.3 |
| 114 | 110107145 | 60 | NOC:International Business | Y | Y | Y | 8.1 |
| 115 | 110107147 | 40 | NOC:Introduction to Marketing Essentials | Y | Y | Y | 4.4 |
| 116 | 110105148 | 60 | NOC:Management Information System | Y | Y | Y | 30 |
| 117 | 110106145 | 56 | NOC:Organizational Behaviour | Y | Y | Y | 5.4 |
| 118 | 110101146 | 36 | NOC:Organization Development and Change in 21st Century | Y | Y | Y | 6.3 |
| 119 | 110107146 | 60 | NOC:Path Integral Methods in Physics and Finance | --- | Y | --- | 8.0 |
| 120 | 110105146 | 59 | NOC:Principles of Management (2020) | Y | Y | Y | 30 |
| 121 | 110106146 | 32 | NOC:The Future of Manufacturing Business: Role of Additive Manufacturing | Y | Y | Y | 4.3 |
| 122 | 110101149 | 80 | NOC:Managerial Economics | Y | Y | Y | 11 |
| 123 | 110101150 | 40 | NOC:Quality Control and Improvement with MINITAB | Y | Y | Y | 3.9 |
| 124 | 110106150 | 36 | NOC:Technology Forecasting for Strategic Decision Making - An Introduction | Y | Y | Y | 2.1 |
| 125 | 110106151 | 62 | NOC:Leadership for India Inc: Practical Concepts and Constructs | Y | Y | Y | 13 |
| 126 | 110107150 | 62 | NOC:Principles of Management (2021) | Y | Y | Y | 7.6 |
| 127 | 110107151 | 40 | NOC:Organization Theory-Structure and Design | Y | Y | Y | 4.7 |
| 128 | 110107152 | 60 | NOC:Talent Acquisition and Management | Y | Y | Y | 12 |
| 129 | 110101153 | 32 | NOC:Business and Sustainable Development | Y | Y | Y | 3.1 |
| 130 | 110105153 | 107 | NOC:Applied Econometrics | --- | Y | --- | 5.4 |
| 131 | 110105154 | 60 | NOC:Organizational Behaviour - II | --- | Y | --- | 8.9 |
| 132 | 110105155 | 60 | NOC:Automation in Production Systems and Management | Y | Y | Y | 7.2 |
| 133 | 110105156 | 40 | NOC:Corporate Finance | --- | Y | --- | 3.8 |
| 134 | 110107153 | 40 | NOC:Econometric Modelling | Y | Y | Y | 4.5 |
| 135 | 110107154 | 60 | NOC:Security Analysis and Portfolio Management | --- | Y | --- | 15 |
| 136 | 110105157 | 39 | NOC:International Marketing | Y | Y | Y | 3.7 |
| 137 | 110105158 | 47 | NOC:Retail Management | Y | Y | Y | 4.6 |
| 138 | 110105159 | 40 | NOC:Business Law for Managers | Y | Y | Y | 4.0 |
| 139 | 110105160 | 60 | NOC:Safety and Risk Analytics | --- | Y | --- | 9.8 |
| 140 | 110106157 | 61 | NOC:Strategy and Technology: A Practical Primer | --- | Y | --- | 12 |
| 141 | 110107157 | 60 | NOC:Decision Making with Spreadsheet | --- | Y | --- | 6.3 |
| 142 | 110107158 | 60 | NOC:Integrated Marketing Communication | --- | Y | Y | 17 |
| 143 | 110107159 | 60 | NOC:Leadership and Team Effectiveness | Y | Y | Y | 7.0 |
| 144 | 110105161 | 60 | NOC:Strategic Management for Competitive Advantage | --- | Y | --- | 4.5 |
| 145 | 110105162 | 60 | NOC:Human Factors Engineering | --- | Y | --- | 8.3 |

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|---|---------------------------|----|---|-----|---|-----|-----|
| 146 | 110107161 | 60 | NOC:Product and Brand Management | --- | Y | --- | 14 |
| 147 | 110107162 | 60 | NOC:Quantitative Investment Management | --- | Y | --- | 8.4 |
| 148 | 110107163 | 41 | NOC:Strategic Sales Management | --- | Y | --- | 6.2 |
| 149 | 110108161 | 38 | NOC:Strategic Management - The Competitive Edge | --- | Y | --- | 4.5 |
| Discipline : Mathematics Go to Top | | | | | | | |
| Video Lecture Topics @ http://www.digimat.in/downloads/topics/mathematics.pdf | | | | | | | |
| 1 | 111101003 | 40 | Elementary Numerical Analysis | Y | Y | Y | 28 |
| 2 | 111101005 | 40 | Measure and Integration | Y | Y | Y | 34 |
| 3 | 111101080 | 40 | Mathematics in India - From Vedic Period to Modern Times | Y | Y | Y | 18 |
| 4 | 111102014 | 39 | Stochastic Processes | Y | Y | Y | 23 |
| 5 | 111103016 | 41 | Formal Languages and Automata Theory | Y | Y | Y | 17 |
| 6 | 111103070 | 40 | Complex Analysis | Y | Y | Y | 23 |
| 7 | 111104024 | 44 | Applied Multivariate Analysis | Y | Y | Y | 20 |
| 8 | 111104025 | 40 | Calculus of Variations and Integral Equations | Y | Y | Y | 12 |
| 9 | 111104027 | 40 | Linear programming and Extensions | Y | Y | Y | 17 |
| 10 | 111104068 | 42 | Convex Optimization | Y | Y | Y | 8.6 |
| 11 | 111104071 | 38 | Foundations of Optimization | Y | Y | Y | 7.2 |
| 12 | 111104079 | 40 | Probability Theory and Applications | Y | Y | Y | 8.6 |
| 13 | 111105035 | 42 | Advanced Engineering Mathematics | Y | Y | Y | 12 |
| 14 | 111105037 | 40 | Functional Analysis | Y | Y | Y | 19 |
| 15 | 111105038 | 40 | Numerical methods of Ordinary & Partial Differential Equations | Y | Y | Y | 12 |
| 16 | 111105039 | 40 | Optimization | Y | Y | Y | 12 |
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| 125 | 112105236 | 40 | NOC:Mechanism and Robot Kinematics | Y | Y | Y | 12 |
| 126 | 112103244 | 23 | NOC:Advances in Welding and Joining Technologies | Y | Y | Y | 12 |
| 127 | 112107240 | 40 | NOC:Automatic Control | Y | Y | Y | 11 |
| 128 | 112107241 | 40 | NOC:Failure Analysis and Prevention | Y | Y | Y | 11 |
| 129 | 112107242 | 40 | NOC:Mechanical Measurement System | Y | Y | Y | 12 |
| 130 | 112103245 | 27 | NOC:Introduction to Machining and Machining Fluids | Y | Y | Y | 9.9 |
| 131 | 112107238 | 60 | NOC:Operations Management | Y | Y | Y | 4.1 |
| 132 | 112104229 | 72 | NOC:Introduction To Composites | Y | Y | Y | 14 |
| 133 | 112108246 | 60 | NOC:Convective Heat Transfer (2018) | Y | Y | Y | 14 |
| 134 | 112103243 | 30 | NOC:Fundamentals of Nuclear Power Generation | Y | Y | Y | 6.9 |
| 135 | 112105232 | 60 | NOC:Machinery Fault Diagnosis and Signal Processing | Y | Y | Y | 15 |
| 136 | 112105231 | 63 | NOC:Introduction to Mechanical Micro Machining | Y | Y | Y | 16 |
| 137 | 112107239 | 60 | NOC:Theory of Production Processes | Y | Y | Y | 17 |

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| 138 | 112106247 | 37 | NOC:Experimental Stress Analysis: An Overview | Y | Y | Y | 62 |
| 139 | 112102248 | 15 | NOC:RAC Product Design | Y | Y | Y | 9.6 |
| 140 | 112103248 | 20 | NOC:Mechanics of Machining | Y | Y | Y | 6.2 |
| 141 | 112103249 | 58 | NOC:Principle of Hydraulic Machines and System Design | --- | Y | --- | 8.4 |
| 142 | 112103250 | 25 | NOC:Introduction to Abrasive Machining and Finishing Processes | Y | Y | Y | 18 |
| 143 | 112103251 | 14 | NOC:Theory of Rectangular Plates - Part I | Y | Y | Y | 3.8 |
| 144 | 112104248 | 40 | NOC:Phase Equilibria in Materials-Nature and Properties of Materials-II | Y | Y | Y | 7.6 |
| 145 | 112104249 | 72 | NOC:Advanced Composites | Y | Y | Y | 8.4 |
| 146 | 112104250 | 52 | NOC:Engineering Metrology | Y | Y | Y | 18 |
| 147 | 112104251 | 19 | NOC:Smart Materials and Intelligent System Design | Y | Y | Y | 7.7 |
| 148 | 112104252 | 37 | NOC:Design Practice-II | Y | Y | Y | 7.0 |
| 149 | 112105248 | 66 | NOC:Heat Exchangers: Fundamentals and Design Analysis | Y | Y | Y | 18 |
| 150 | 112105249 | 45 | NOC:Robotics | Y | Y | Y | 11 |
| 151 | 112106248 | 50 | NOC:Mechanics of Human Movement | Y | Y | Y | 53 |
| 152 | 112106249 | 41 | NOC:Design for Quality, Manufacturing and Assembly | Y | Y | Y | 35 |
| 153 | 112106250 | 19 | NOC:Surrogates and Approximations in Engineering Design | Y | Y | Y | 14 |
| 154 | 112107248 | 60 | NOC:Fundamentals of Surface Engineering: Mechanisms, Processes and Characterizations | Y | Y | Y | 8.5 |
| 155 | 112107249 | 60 | NOC:Work System Design | Y | Y | Y | 19 |
| 156 | 112107250 | 40 | NOC:Principles of Metal Forming Technology | Y | Y | Y | 7.8 |
| 157 | 112102255 | 54 | NOC:Thermodynamics | Y | Y | Y | 32 |
| 158 | 112103261 | 33 | NOC:Principles of Mechanical Measurement | Y | Y | Y | 16 |
| 159 | 112103262 | 50 | NOC:IC Engines and Gas Turbines | Y | Y | Y | 21 |
| 160 | 112103263 | 24 | NOC:Fundamental of Welding Science and Technology | Y | Y | Y | 13 |
| 161 | 112103264 | 15 | NOC:Polymer Assisted Abrasive Finishing Processes | Y | Y | Y | 11 |
| 162 | 112104265 | 44 | NOC:Rapid Manufacturing | Y | Y | Y | 27 |
| 163 | 112105266 | 68 | NOC:Concepts of Thermodynamics | Y | Y | Y | 19 |
| 164 | 112105267 | 40 | NOC:Electronic Packaging and Manufacturing | Y | Y | Y | 10 |
| 165 | 112105268 | 40 | NOC:Kinematics of Mechanisms and Machines | Y | Y | Y | 11 |
| 166 | 112107256 | 40 | NOC:Radiative Heat Transfer | Y | Y | Y | 7.3 |
| 167 | 112107257 | 40 | NOC:Weldability of Metals | Y | Y | Y | 5.3 |
| 168 | 112107258 | 40 | NOC:Manufacturing Guidelines for Product Design | Y | Y | Y | 13 |
| 169 | 112107259 | 20 | NOC:Inspection and Quality Control in Manufacturing | Y | Y | Y | 4.5 |
| 170 | 112107260 | 60 | NOC:Financial Mathematics | Y | Y | Y | 9.7 |
| 171 | 112105269 | 60 | NOC:Introduction to Fluid Mechanics (2019) | Y | Y | Y | 16 |
| 172 | 112106270 | 37 | Theory of Mechanism | Y | Y | --- | 90 |
| 173 | 112102284 | 32 | NOC:Solid Mechanics | Y | Y | Y | 26 |
| 174 | 112103273 | 38 | NOC:Mathematical Modeling of Manufacturing Processes | Y | Y | Y | 25 |
| 175 | 112103274 | 8 | NOC:Two-Phase flow with phase change in conventional | Y | Y | Y | 5.0 |

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| 176 | 112103275 | 36 | NOC:Applied Thermodynamics For Engineers | Y | Y | Y | 27 |
| 177 | 112103276 | 33 | NOC:Fundamentals of Conduction and Radiation | Y | Y | Y | 22 |
| 178 | 112103277 | 33 | NOC:Steam Power Engineering | Y | Y | Y | 8.5 |
| 179 | 112103278 | 45 | NOC:Dynamic Behaviour of Materials | Y | Y | Y | 14 |
| 180 | 112103279 | 36 | NOC:Plastic Working of Metallic Materials | --- | Y | Y | 9.9 |
| 181 | 112103280 | 34 | NOC:Fundamentals of Artificial Intelligence | Y | Y | Y | 17 |
| 182 | 112103281 | 42 | NOC:Aircraft Propulsion | Y | Y | Y | 12 |
| 183 | 112104272 | 60 | NOC:Turbulent Combustion: Theory and Modelling | Y | Y | Y | 26 |
| 184 | 112104288 | 20 | NOC:Manufacturing Automation | Y | Y | Y | 8.4 |
| 185 | 112105287 | 59 | NOC:Advanced Concepts in Fluid Mechanics | Y | Y | Y | 28 |
| 186 | 112106286 | 37 | NOC:Engineering Mechanics | Y | Y | Y | 127 |
| 187 | 112107282 | 20 | NOC:Product Design Using Value Engineering | Y | Y | Y | 9.1 |
| 188 | 112107283 | 20 | NOC:Selection of Nanomaterials for Energy Harvesting and Storage Application | Y | Y | Y | 4.8 |
| 189 | 112108285 | 25 | NOC:A Short Lecture Series on Contour Integration in the Complex Plane | Y | Y | Y | 3.5 |
| 190 | 112105254 | 60 | NOC:Computational Fluid Dynamics | --- | Y | --- | 5.9 |
| 191 | 112105271 | 65 | NOC:Conduction and Convection Heat Transfer | Y | Y | --- | 11 |
| 192 | 112106253 | 55 | NOC: Steel Quality: Role of Secondary Refining and Continuous Casting | --- | Y | Y | 4.9 |
| 193 | 112107290 | 39 | NOC:Acoustic Metamaterials | Y | Y | Y | 6.8 |
| 194 | 112103289 | 37 | NOC:Computational Fluid Dynamics for Incompressible Flows | Y | Y | Y | 22 |
| 195 | 112104289 | 50 | NOC:Computer Integrated Manufacturing | Y | Y | Y | 40 |
| 196 | 112103290 | 43 | NOC:Experimental Methods in Fluid Mechanics | Y | Y | Y | 14 |
| 197 | 112106289 | 34 | NOC:Foundations of Computational Materials Modelling | Y | Y | Y | 29 |
| 198 | 112106290 | 33 | NOC:Fundamentals of Combustion for Propulsion | Y | Y | Y | 26 |
| 199 | 112108289 | 43 | NOC:Introduction to Soft Matter | Y | Y | Y | 5.2 |
| 200 | 112104290 | 20 | NOC:Machining Science | Y | Y | Y | 9.4 |
| 201 | 112107291 | 40 | NOC:Power Plant Engineering | Y | Y | Y | 3.9 |
| 202 | 112107292 | 60 | NOC:Principles of Industrial Engineering | Y | Y | Y | 5.8 |
| 203 | 112107289 | 40 | NOC:Robotics and Control: Theory and Practice | Y | Y | Y | 3.4 |
| 204 | 112103293 | 38 | NOC:Automation in Manufacturing | Y | Y | Y | 8.4 |
| 205 | 112106293 | 66 | NOC:Basics of Materials Engineering | Y | Y | Y | 11 |
| 206 | 112103296 | 40 | NOC:Computational Continuum Mechanics | Y | Y | Y | 6.6 |
| 207 | 112106294 | 42 | NOC:Computational Fluid Dynamics using Finite Volume Method | Y | Y | Y | 7.7 |
| 208 | 112105294 | 65 | NOC:Engineering Drawing and Computer Graphics | Y | Y | Y | 17 |
| 209 | 112103295 | 35 | NOC:Finite Element Method: Variational Methods to Computer Programming | --- | Y | --- | 5.5 |
| 210 | 112104293 | 14 | NOC:Foundations of Cognitive Robotics | Y | Y | Y | 7.6 |

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| 214 | 112101298 | 67 | NOC:Optimization from Fundamentals | Y | Y | --- | 5.4 |
| 215 | 112102298 | 29 | NOC:Introduction to Uncertainty Analysis and Experimentation | --- | Y | --- | 5.0 |
| 216 | 112103298 | 28 | NOC:Theory of Composite Shells | Y | Y | --- | 3.1 |
| 217 | 112103299 | 40 | NOC:Finite Element Modeling of Welding Processes | Y | Y | --- | 7.6 |
| 218 | 112103300 | 36 | NOC:Nonlinear Vibration | Y | Y | --- | 4.7 |
| 219 | 112103301 | 26 | NOC:Evolutionary Computation for Single and Multi Objective Optimization | Y | Y | Y | 4.7 |
| 220 | 112103302 | 44 | NOC:Viscous Fluid Flow | Y | Y | --- | 5.3 |
| 221 | 112104298 | 28 | NOC:Introduction to Robotics | --- | Y | --- | 2.9 |
| 222 | 112104299 | 47 | NOC:Muffler Acoustics - Application to Automotive Exhaust Noise Control | Y | Y | Y | 5.9 |
| 223 | 112104300 | 35 | NOC:Elements of Solar Energy Conversion | Y | Y | Y | 9.5 |
| 224 | 112104301 | 20 | NOC:Manufacturing Processes - Casting and Joining | Y | Y | Y | 3.2 |
| 225 | 112104302 | 26 | NOC:Computational Fluid Dynamics and Heat Transfer | --- | Y | --- | 3.7 |
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| 227 | 112106298 | 46 | NOC:Wheeled Mobile Robots | Y | Y | Y | 3.7 |
| 228 | 112106299 | 61 | NOC:Fundamentals of Combustion | Y | Y | Y | 11 |
| 229 | 112106300 | 96 | NOC:Oil Hydraulics and Pneumatics | Y | Y | --- | 7.9 |
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| 234 | 112102304 | 50 | NOC:Engineering Graphics and Design | Y | Y | Y | 5.5 |
| 235 | 112103305 | 27 | NOC:Welding Application Technology | --- | Y | --- | 4.2 |
| 236 | 112103306 | 33 | NOC:Fundamentals of Additive Manufacturing Technologies | --- | Y | --- | 6.0 |
| 237 | 112103307 | 44 | NOC:Applied Thermodynamics | Y | Y | Y | 6.1 |
| 238 | 112104304 | 33 | NOC:Production Technology: Theory and Practice | Y | Y | Y | 13 |
| 239 | 112104305 | 50 | NOC:Introduction to Turbomachinery | --- | Y | --- | 3.8 |
| 240 | 112105304 | 60 | NOC:Advanced Dynamics | Y | Y | Y | 4.6 |
| 241 | 112105305 | 44 | NOC:Biomechanics of Joints and Orthopaedic Implants | Y | Y | Y | 4.5 |
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| 243 | 112106304 | 45 | NOC:Mechanics and Control of Robotic Manipulators | Y | Y | Y | 4.3 |
| 244 | 112103308 | 32 | NOC:Mechanics of Fiber Reinforced Polymer Composite Structures | --- | Y | --- | 4.1 |
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| 4 | 113104010 | 40 | Materials and Energy balance in Metallurgical Processes | Y | Y | Y | 14 |
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| 8 | 113104061 | 41 | Environmental Degradation of Materials | Y | Y | Y | 18 |
| 9 | 113105015 | 47 | Advanced ceramics for strategic applications | Y | Y | Y | 14 |
| 10 | 113105021 | 43 | Non-ferrous Extractive Metallurgy | Y | Y | Y | 20 |
| 11 | 113105024 | 42 | Principles of Physical Metallurgy | Y | Y | Y | 20 |
| 12 | 113105025 | 40 | Processing of Semiconducting Materials | Y | Y | Y | 11 |
| 13 | 113105028 | 40 | Science and Technology of Polymers | Y | Y | Y | 11 |
| 14 | 113105057 | 26 | Advanced Materials and Processes | Y | Y | Y | 5.3 |
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| 16 | 113106039 | 40 | Physics of Materials | Y | Y | Y | 15 |
| 17 | 113106062 | 40 | Electronic Materials, Devices and Fabrication | Y | Y | Y | 26 |
| 18 | 113106065 | 27 | NOC:Fundamentals of Electronic Materials and Devices | Y | Y | Y | 12 |
| 19 | 113106066 | 11 | NOC:Introduction to Reciprocal Space and its use in Solids | Y | Y | Y | 5.1 |
| 20 | 113106067 | 20 | NOC:Analysis and Modeling of Welding | Y | Y | Y | 7.8 |
| 21 | 113106064 | 22 | NOC:Fundamentals of optical and scanning electron microscopy | Y | Y | Y | 12 |
| 22 | 113104068 | 61 | NOC:Phase Diagrams in Materials Science and Engineering | Y | Y | Y | 3.6 |
| 23 | 113104004 | 33 | Advanced Characterization Techniques | Y | Y | Y | 22 |
| 24 | 113106034 | 54 | Materials Characterization | Y | Y | Y | 30 |
| 25 | 113108071 | 40 | NOC:Biomaterials for Bone Tissue Engineering Applications | Y | Y | Y | 9.7 |

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| 26 | 113104073 | 40 | NOC:Fundamentals of Material Processing - I | Y | Y | Y* | 3.2 |
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| 28 | 113101072 | 87 | NOC:Phase Field Modelling: The Materials Science, Mathematics and Computational Aspects | Y | Y | Y | 18 |
| 29 | 113103072 | 17 | NOC:Introduction to Crystal Elasticity and Crystal Plasticity | Y | Y | Y | 8.2 |
| 30 | 113106070 | 40 | NOC:Theory and Practice of Non Destructive Testing | Y | Y | Y | 15 |
| 31 | 113107075 | 40 | NOC:Surface Engineering of Nanomaterials | Y | Y | Y | 11 |
| 32 | 113106075 | 35 | NOC:Defects in Materials | Y | Y | Y | 27 |
| 33 | 113104075 | 41 | NOC:Fundamentals of Material Processing - Part 2 | Y | Y | Y | 4.1 |
| 34 | 113108079 | 39 | NOC:Iron Making | Y | Y | Y | 11 |
| 35 | 113102080 | 147 | NOC:Introduction to Materials Science and Engineering | Y | Y | Y | 36 |
| 36 | 113107078 | 40 | NOC:Material Science and Engineering | Y | Y | Y | 9.2 |
| 37 | 113105077 | 47 | NOC:Principles of Polymer Synthesis | Y | Y | Y | 14 |
| 38 | 113104076 | 40 | NOC:Nature and Properties Of Materials - An Introductory Course | Y | Y | Y | 10 |
| 39 | 113104081 | 40 | NOC:Defects in Crystalline Solids - Part I | Y | Y | Y | 16 |
| 40 | 113104082 | 41 | NOC:Corrosion - Part I | Y | Y | Y | 5.9 |
| 41 | 113105081 | 60 | NOC:Advanced Materials and Processes | Y | Y | Y | 17 |
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| 43 | 113106082 | 20 | NOC:Welding of Advanced High Strength Steels for Automotive Applications | Y | Y | Y | 18 |
| 44 | 113107081 | 20 | NOC:Structural Analysis of Nanomaterials | Y | Y | Y | 5.6 |
| 45 | 113104084 | 41 | NOC:Solar Photovoltaics: Principles, Technologies and Material | Y | Y | Y | 16 |
| 46 | 113104085 | 17 | NOC:Defects in Crystalline Solids - Part II | Y | Y | Y | 9.2 |
| 47 | 113105086 | 60 | NOC:Surface Engineering for Corrosion and Wear Resistance Application | Y | Y | Y | 17 |
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| 50 | 113108083 | 40 | NOC:Friction and Wear of Materials: Principles and Case Studies | Y | Y | Y | 6.7 |
| 51 | 113104089 | 41 | NOC:Corrosion - Part II | Y | Y | Y | 11 |
| 52 | 113104090 | 40 | NOC:Fundamentals and Applications of Dielectric Ceramics | Y | Y | Y | 13 |
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| 54 | 113107091 | 40 | NOC:Thermo-Mechanical and Thermo-Chemical Processes | Y | Y | Y | 7.5 |
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| 56 | 113101096 | 99 | NOC:Dealing with Materials Data:Collection, Analysis and Interpretation | Y | Y | Y | 46 |
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| 58 | 113107096 | 40 | NOC:Modeling of Tundish Steelmaking Process in Continuous Casting | Y | Y | Y | 5.2 |
| 59 | 113104096 | 40 | NOC:Properties of Materials (Nature and Properties of Materials-III) | Y | Y | Y | 9.7 |
| 60 | 113106069 | 27 | NOC:Fundamentals of X-ray Diffraction and Transmission Electron Microscopy | Y | Y | Y | 9.2 |
| 61 | 113101098 | 34 | NOC:Aqueous Corrosion and its Control | Y | Y | Y | 27 |
| 62 | 113105098 | 60 | NOC:Ironmaking and Steelmaking | Y | Y | Y | 33 |

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| 64 | 113101099 | 14 | NOC:Cathodic Protection Engineering | Y | Y | Y | 2.3 |
| 65 | 113105099 | 60 | NOC:Non-Metallic Materials | Y | Y | Y | 6.0 |
| 66 | 113105100 | 43 | NOC:Scanning Electron/Ion/Probe Microscopy in Materials Characterization | --- | Y | --- | 4.9 |
| 67 | 113106099 | 59 | NOC:Carbon Materials and Manufacturing | Y | Y | Y | 6.1 |
| 68 | 113104101 | 42 | NOC:Corrosion Failures and Analysis | Y | Y | --- | 4.2 |
| 69 | 113104102 | 29 | NOC:Nanomaterials and their Properties | Y | Y | Y | 2.8 |
| 70 | 113105101 | 60 | NOC:Techniques of Material Characterization | Y | Y | Y | 9.0 |
| 71 | 113105102 | 60 | NOC:Electrochemical Energy Storage | Y | Y | --- | 6.3 |
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| 73 | 113106101 | 64 | NOC:Mechanical Behavior of Materials | Y | Y | Y | 4.2 |
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| 75 | 113105104 | 60 | NOC:Bulk Material Transport and Handling Systems | Y | Y | --- | 11 |
| 76 | 113104105 | 27 | NOC:Mechanical Behaviour of Materials - Part II | --- | Y | --- | 2.4 |
| 77 | 113104106 | 39 | NOC:Electronic Properties of the Materials: Computational Approach | --- | Y | --- | 2.4 |
| 78 | 113105105 | 60 | NOC:Environmental Degradation and Surface Engineering | --- | Y | --- | 9.0 |
| 79 | 113105106 | 60 | NOC:Fracture, Fatigue and Failure of Materials | --- | Y | --- | 5.8 |
| 80 | 113105107 | 60 | NOC:Mine Closure and Sustainability Planning | --- | Y | --- | 11 |
| 81 | 113106105 | 60 | NOC:Aluminium based Alloys and Metal Matrix Composites | --- | Y | --- | 3.1 |
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Discipline : Ocean Engineering

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| 3 | 114105004 | 41 | Marine Construction and Welding | Y | Y | Y | 8.6 |
| 4 | 114105005 | 40 | Marine Hydrodynamics | Y | Y | Y | 12 |
| 5 | 114105006 | 40 | Seakeeping and Manoeuvring | Y | Y | Y | 8.6 |
| 6 | 114105029 | 27 | Applied Thermodynamics for Marine Systems | Y | Y | Y | 5.6 |
| 7 | 114105030 | 40 | Performance of Marine Vehicles at Sea | Y | Y | Y | 11 |
| 8 | 114105031 | 36 | Strength and Vibration of Marine Structures | Y | Y | Y | 5.2 |
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| 11 | 114106017 | 35 | Health,Safety and Environmental Management in Petroleum and Offshore Engineering | Y | Y | Y | 8.0 |
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| 13 | 114106026 | 17 | Ship Resistance and Propulsion | Y | Y | Y | 6.6 |
| 14 | 114106032 | 37 | Coastal Engineering | Y | Y | Y | 14 |
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| 16 | 114106035 | 38 | Ocean Structures and Materials | Y | Y | Y | 12 |
| 17 | 114106036 | 49 | Dynamics of Ocean Structures | Y | Y | Y | 20 |
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| 22 | 114106041 | 58 | NOC:Risk and Reliability of offshore structures | Y | Y | Y | 25 |
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| 29 | 114106047 | 64 | NOC:Advanced Design of Steel Structures | --- | Y | --- | 7.3 |
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| 1 | 115101005 | 40 | Electromagnetic Theory (Prof. D.K. Ghosh) | Y | Y | Y | 29 |
| 2 | 115101011 | 24 | Special Theory of Relativity | Y | Y | Y | 22 |
| 3 | 115102014 | 42 | Electronics | Y | Y | Y | 19 |
| 4 | 115102020 | 42 | Fundamentals and Applications | Y | Y | Y | 19 |
| 5 | 115102022 | 42 | Quantum Electronics | Y | Y | Y | 17 |
| 6 | 115102023 | 42 | Quantum Mechanics and Applications | Y | Y | Y | 19 |
| 7 | 115102026 | 46 | Semiconductor Optoelectronics | Y | Y | Y | 32 |
| 8 | 115104043 | 43 | Nuclear Physics: Fundamentals and Applications | Y | Y | Y | 12 |
| 9 | 115104088 | 78 | NOC:Introduction to Electromagnetism | Y | Y | Y | 2.1 |
| 10 | 115105046 | 40 | Astrophysics and Cosmology | Y | Y | Y | 9.7 |
| 11 | 115106057 | 40 | Special / Select Topics in Atomic Physics | Y | Y | Y | 16 |
| 12 | 115106058 | 39 | Classical Field Theory | Y | Y | Y | 17 |
| 13 | 115106059 | 29 | Topics in Nonlinear Dynamics | Y | Y | Y | 15 |
| 14 | 115106061 | 58 | Condensed Matter Physics | Y | Y | Y | 18 |
| 15 | 115106065 | 38 | Quantum Field Theory | Y | Y | Y | 27 |
| 16 | 115106066 | 41 | Quantum Mechanics I | Y | Y | Y | 20 |
| 17 | 115106068 | 40 | Special / Select Topics in Classical Mechanics | Y | Y | Y | 13 |
| 18 | 115106085 | 46 | Special / Select Topics in the Theory of Atomic Collisions and Spectroscopy | Y | Y | Y | 14 |
| 19 | 115106086 | 36 | Selected Topics in Mathematical Physics | Y | Y | Y | 24 |
| 20 | 115106090 | 43 | NOC: Mechanics, heat oscillations and waves | Y | Y | Y | 12 |

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|----|---------------------------|-----|--|-----|---|----|-----|
| 21 | 115108074 | 45 | Relativistic Quantum Mechanics | Y | Y | Y | 26 |
| 22 | 115106087 | 30 | Nuclear Reactors and Safety- An Introduction | Y | Y | Y | 16 |
| 23 | 115106089 | 29 | Physical Applications of Stochastic Processes | Y | Y | Y | 27 |
| 24 | 115106091 | 36 | Nonequilibrium Statistical Mechanics | Y | Y | Y | 32 |
| 25 | 115104094 | 100 | NOC:Engineering Mechanics | Y | Y | Y | 3.8 |
| 26 | 115101092 | 46 | NOC:Quantum Information and Computing | Y | Y | Y | 19 |
| 27 | 115107095 | 40 | NOC:Fiber Optics | Y | Y | Y | 11 |
| 28 | 115104095 | 23 | NOC:Computational Science and Engineering Using Python | Y | Y | Y | 2.2 |
| 29 | 115104096 | 55 | NOC:Introductory Quantum Mechanics | Y | Y | Y | 2.3 |
| 30 | 115105097 | 60 | NOC:Mathematical Methods in Physics - I | Y | Y | Y | 17 |
| 31 | 115105098 | 60 | NOC:Classical Mechanics: from Newtonian to Lagrangian Formulation | Y | Y | Y | 16 |
| 32 | 115105099 | 75 | NOC:Solid State Physics | Y | Y | Y | 25 |
| 33 | 115103102 | 25 | NOC:Advanced Condensed Matter Physics | Y | Y | Y | 2.6 |
| 34 | 115105100 | 60 | NOC:Atomic and Molecular Physics | Y | Y | Y | 18 |
| 35 | 115103101 | 44 | NOC:Nuclear and Particle Physics | Y | Y | Y | 8.7 |
| 36 | 115102103 | 45 | Semiconductor Optoelectronics (Repurposed) | Y | Y | Y | 36 |
| 37 | 115101104 | 48 | NOC:Theory of Groups for Physics Applications | Y | Y | Y | 39 |
| 38 | 115103104 | 33 | NOC:Advanced Quantum Mechanics with Applications | Y | Y | Y | 7.1 |
| 39 | 115105104 | 59 | NOC:Modern Optics | Y | Y | Y | 15 |
| 40 | 115105105 | 60 | NOC:Introduction to Non-linear Optics and its Applications | Y | Y | Y | 16 |
| 41 | 115105106 | 86 | NOC:Upstream LNG Technology | Y | Y | Y | 16 |
| 42 | 115108104 | 50 | NOC:Control System Design | Y | Y | Y | 14 |
| 43 | 115101107 | 71 | NOC:Quantum Mechanics-I | Y | Y | Y | 41 |
| 44 | 115103108 | 17 | NOC:A Brief Course on Superconductivity | Y | Y | Y | 5.9 |
| 45 | 115104109 | 87 | NOC:Introduction to Solid State Physics | Y | Y | Y* | 17 |
| 46 | 115105110 | 60 | NOC:Experimental Physics-I | Y | Y | Y | 31 |
| 47 | 115106111 | 35 | NOC:Statistical Mechanics | Y | Y | Y* | 106 |
| 48 | 115101117 | 32 | NOC:Path Integral and Functional Methods in Quantum Field Theory | Y | Y | Y | 37 |
| 49 | 115103113 | 32 | NOC:Introduction to Statistical Mechanics | Y | Y | Y | 14 |
| 50 | 115103114 | 24 | NOC:Numerical Methods and Simulation Techniques for Scientists and Engineers | Y | Y | Y | 19 |
| 51 | 115103115 | 27 | NOC:Theoretical Mechanics | --- | Y | Y | 4.3 |
| 52 | 115104112 | 44 | NOC:Physics of Turbulence | Y | Y | Y | 20 |
| 53 | 115105120 | 61 | NOC:Experimental Physics - II | Y | Y | Y | 31 |
| 54 | 115106118 | 58 | NOC:Computational Physics | Y | Y | Y | 42 |
| 55 | 115106119 | 58 | NOC:Waves and Oscillations | Y | Y | Y | 33 |
| 56 | 115107116 | 40 | NOC:Solar Photovoltaics Fundamentals, Technology and Applications | Y | Y | Y | 6.1 |
| 57 | 115106122 | 83 | NOC:Electromagnetism | Y | Y | Y | 16 |
| 58 | 115105122 | 60 | NOC:Electronic Theory of Solids | Y | Y | Y | 12 |

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|----|---------------------------|----|---|-----|---|-----|-----|
| 59 | 115105121 | 62 | NOC:Experimental Physics - III | Y | Y | Y | 27 |
| 60 | 115101122 | 59 | NOC:Group Theory Methods in Physics | Y | Y | Y | 50 |
| 61 | 115107121 | 60 | NOC:Introduction to Atmospheric and Space Sciences | Y | Y | Y | 6.9 |
| 62 | 115107122 | 20 | NOC:Optical Sensors | Y | Y | Y | 3.0 |
| 63 | 115101121 | 62 | NOC:Physics of Biological Systems | Y | Y | Y | 40 |
| 64 | 115106121 | 50 | NOC:Physics through Computational Thinking | Y | Y | Y | 26 |
| 65 | 115106123 | 67 | NOC:Introduction to Classical Mechanics | Y | Y | Y | 20 |
| 66 | 115103123 | 34 | NOC:Solar Energy Engineering and Technology | Y | Y | Y | 5.1 |
| 67 | 115102124 | 38 | NOC:Introduction to LASER | Y | Y | --- | 5.6 |
| 68 | 115104124 | 57 | NOC:Introduction to Astrophysical Fluids | Y | Y | Y | 6.7 |
| 69 | 115105124 | 60 | NOC:Physics of Linear and Nonlinear Optical Waveguides | Y | Y | --- | 5.3 |
| 70 | 115106124 | 64 | NOC:Fluid Dynamics for Astrophysics | Y | Y | --- | 5.5 |
| 71 | 115106125 | 33 | NOC:Quantum Transport | --- | Y | --- | 3.6 |
| 72 | 115106126 | 65 | NOC:Statistical Mechanics (2021) | Y | Y | --- | 4.5 |
| 73 | 115105127 | 51 | NOC:Physics of Renewable Energy Systems | Y | Y | Y | 7.2 |
| 74 | 115106127 | 70 | NOC:Solid State Physics | Y | Y | Y* | 3.2 |
| 75 | 115106128 | 51 | NOC:Introduction to Quantum Field Theory (Theory of Scalar Fields) | Y | Y | Y | 3.1 |
| 76 | 115108127 | 60 | NOC:Bonds and Bands in Solids | --- | Y | --- | 5.0 |
| 77 | 115103129 | 44 | NOC:Quantum Technology and Quantum Phenomena in Macroscopic Systems | Y | Y | Y | 3.9 |
| 78 | 115105129 | 60 | NOC:Thermal Physics | --- | Y | --- | 7.6 |
| 79 | 115107129 | 60 | NOC:Advanced Atmospheric Physics | --- | Y | --- | 5.4 |
| 80 | 115107130 | 40 | NOC:Nuclear Astrophysics | Y | Y | Y | 5.5 |
| 81 | 115108129 | 60 | NOC:Advanced NMR Techniques in Solution and Solid-State | --- | Y | Y | 11 |
| 82 | 115101131 | 69 | NOC:Neutron Scattering for Condensed Matter Studies | --- | Y | --- | 4.6 |
| 83 | 115101132 | 72 | NOC:Accelerator Physics | --- | Y | --- | 5.7 |
| 84 | 115103131 | 48 | NOC:Dynamics of Classical and Quantum Fields | --- | Y | --- | 5.1 |
| 85 | 115105131 | 40 | NOC:Concepts in Magnetism and Superconductivity | --- | Y | --- | 3.4 |
| 86 | 115105132 | 73 | NOC:Foundations of Classical Electrodynamics | --- | Y | --- | 5.4 |
| 87 | 115107131 | 60 | NOC:Applied Optics | --- | Y | --- | 5.7 |

Discipline : Textile Engineering

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|---|---------------------------|----|--|----|---|----|-----|
| 1 | 116102034 | 20 | Theory of Yarn Structures | Y | Y | Y | 15 |
| 2 | 116104044 | 40 | Natural Dyes | Y | Y | Y | 12 |
| 3 | 116102047 | 40 | NOC:Science of Clothing Comfort | Y | Y | Y | 28 |
| 4 | 116102048 | 35 | NOC:Yarn Manufacture-I: Principle of Carding and Drawing | Y* | Y | Y* | 8.2 |
| 5 | 116102049 | 40 | NOC:Evaluations of Textile Materials | Y | Y | Y | 31 |
| 6 | 116102050 | 24 | NOC:Testing of Functional and Technical Textiles | Y | Y | Y | 19 |

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| 7 | 116102051 | 24 | NOC:Theory of Yarn Structure | Y | Y | Y | 20 |
| 8 | 116102052 | 21 | NOC:Advanced Textile Printing Technology | Y | Y | Y | 16 |
| 9 | 116102053 | 34 | NOC:Textured Yarn Technology | Y | Y | Y | 24 |
| 10 | 116102054 | 32 | NOC:Textile Finishing | Y | Y | Y | 27 |
| 11 | 116102055 | 30 | NOC:Principles of Combing, Roving preparation & Ring spinning | --- | Y | Y | 21 |
| 12 | 116102056 | 50 | NOC:Science and Technology of Weft and Warp Knitting | Y | Y | Y | 26 |
| 13 | 116102057 | 40 | NOC:Technical Textiles | Y | Y | Y | 37 |
| 14 | 116102058 | 29 | NOC:Textile Product Design and Development | --- | Y | --- | 5.6 |
| Discipline : Electronics and Communication Engineering Go to Top | | | | | | | |
| Video Lecture Topics @ http://www.digimat.in/downloads/topics/electronics-and-communication-engineering.pdf | | | | | | | |
| 1 | 117101001 | 50 | Adv. Digital Signal Processing - Multirate and wavelets | Y | Y | Y | 28 |
| 2 | 117101002 | 41 | Advanced Optical Communication | Y | Y | Y | 24 |
| 3 | 117101050 | 32 | Broadband Networks: Concepts and Technology | Y | Y | Y | 7.7 |
| 4 | 117101051 | 32 | Digital Communication | Y | Y | Y | 8.4 |
| 5 | 117101053 | 41 | Information Theory and Coding | Y | Y | Y | 19 |
| 6 | 117101056 | 60 | Transmission Lines and EM Waves | Y | Y | Y | 14 |
| 7 | 117102012 | 40 | RF Integrated Circuits | Y | Y | Y | 18 |
| 8 | 117102059 | 41 | Communication Engineering | Y | Y | Y | 11 |
| 9 | 117102060 | 43 | Digital Signal Processing | Y | Y | Y | 11 |
| 10 | 117102062 | 38 | Wireless Communication | Y | Y | Y | 7.7 |
| 11 | 117103063 | 40 | Basic Electronics | Y | Y | Y | 9.7 |
| 12 | 117104074 | 45 | Signals and Systems | Y | Y | Y | 8.4 |
| 13 | 117104099 | 40 | Advanced 3G and 4G Wireless Mobile Communications | Y | Y | Y | 17 |
| 14 | 117104104 | 37 | Digital Switching | Y | Y | Y | 16 |
| 15 | 117105075 | 41 | Adaptive Signal Processing | Y | Y | Y | 8.5 |
| 16 | 117105078 | 28 | Digital Computer Organization | Y | Y | Y | 4.9 |
| 17 | 117105079 | 40 | Digital Image Processing | Y | Y | Y | 8.5 |
| 18 | 117105080 | 40 | Digital Systems Design | Y | Y | Y | 8.8 |
| 19 | 117105081 | 40 | Digital Voice and Picture Communication | Y | Y | Y | 8.2 |
| 20 | 117105082 | 32 | MEMS and Microsystems | Y | Y | Y | 9.2 |
| 21 | 117105084 | 37 | Neural Networks and Applications | Y | Y | Y | 8.0 |
| 22 | 117105085 | 40 | Probability and Random Processes | Y | Y | Y | 12 |
| 23 | 117105101 | 40 | Pattern Recognition and Application | Y | Y | Y | 12 |
| 24 | 117106030 | 60 | Analog IC Design | Y | Y | Y | 26 |
| 25 | 117106031 | 38 | Coding Theory | Y | Y | Y | 19 |
| 26 | 117106033 | 57 | Semiconductor Device Modeling | Y | Y | Y | 39 |
| 27 | 117106034 | 60 | VLSI Data Conversion Circuits | Y | Y | Y | 27 |
| 28 | 117106086 | 40 | Digital Circuits and Systems | Y | Y | Y | 9.3 |

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| 29 | 117106087 | 38 | Electronics for Analog Signal Processing - I | Y | Y | Y | 9.6 |
| 30 | 117106088 | 39 | Electronics for Analog Signal Processing - II | Y | Y | Y | 9.2 |
| 31 | 117106089 | 41 | High Speed Devices and Circuits | Y | Y | Y | 11 |
| 32 | 117106091 | 42 | Solid State Devices | Y | Y | Y | 11 |
| 33 | 117106092 | 55 | VLSI Circuits | Y | Y | Y | 14 |
| 34 | 117106093 | 40 | VLSI Technology | Y | Y | Y | 7.1 |
| 35 | 117106101 | 21 | Basic Electrical Circuits | Y | Y | --- | 9.9 |
| 36 | 117106108 | 150 | NOC:Basic Electrical Circuits | Y | Y | Y | 3.9 |
| 37 | 117106114 | 53 | NOC:Digital Circuits and Systems | Y | Y | Y | 18 |
| 38 | 117108038 | 40 | Circuits for Analog System Design | Y | Y | Y | 19 |
| 39 | 117108040 | 44 | Digital System design with PLDs and FPGAs | Y | Y | Y | 20 |
| 40 | 117108044 | 42 | Error Correcting Codes | Y | Y | Y | 20 |
| 41 | 117108048 | 42 | Pattern Recognition | Y | Y | Y | 12 |
| 42 | 117106111 | 37 | ARM Based Development | --- | Y | Y | 0.5 |
| 43 | 117106112 | 44 | Embedded Software Testing | Y | Y | Y | 0.6 |
| 44 | 117106109 | 34 | Advanced Logic Synthesis | --- | Y | --- | 0.6 |
| 45 | 117106113 | 43 | Linux Programming and Scripting | Y | Y | Y | 0.4 |
| 46 | 117104115 | 50 | NOC:Principles of Modern CDMA/ MIMO/ OFDM Wireless Communications | Y | Y | Y | 8.0 |
| 47 | 117106116 | 78 | NOC:Networks and Systems | Y | Y | Y | 4.5 |
| 48 | 117104117 | 23 | NOC:Probability and Random Variables, Processes for Wireless Communications | Y | Y | Y | 4.1 |
| 49 | 117108107 | 39 | Analog Circuits and Systems 1 | Y | Y | Y | 18 |
| 50 | 117101106 | 25 | Analog Circuits | Y | Y | Y | 25 |
| 51 | 117101004 | 42 | Advanced VLSI Design | Y | Y | Y | 44 |
| 52 | 117101105 | 29 | CMOS Analog VLSI Design | Y | Y | Y | 26 |
| 53 | 117101119 | 34 | NOC:Microwave Integrated Circuits | Y | Y | Y | 15 |
| 54 | 117104118 | 39 | NOC:Estimation for Wireless Communications / MIMO / OFDM Cellular and Sensor Networks | Y | Y | Y | 2.0 |
| 55 | 117105122 | 20 | NOC:Basic Tools of Microwave Engineering | Y | Y | Y | 4.9 |
| 56 | 117108124 | 24 | NOC:Design and Simulation of DC-DC converters using Open Source Tools | Y | Y | Y | 2.8 |
| 57 | 117101123 | 31 | NOC:Foundations of Wavelets and Multirate Digital Signal Processing | Y | Y | Y | 8.1 |
| 58 | 117104121 | 18 | NOC>Error Control Coding: An Introduction to Linear Block code | Y | Y | Y | 1.2 |
| 59 | 117104120 | 17 | NOC>Error Control Coding: An Introduction to Convolutional Codes | Y | Y | Y | 1.3 |
| 60 | 117105135 | 59 | NOC:Digital Image Processing | Y | Y | Y | 15 |
| 61 | 117105133 | 24 | NOC:Audio System Engineering | Y | Y | Y | 7.4 |
| 62 | 117105132 | 40 | NOC:Fundamentals of MIMO Wireless Communication | Y | Y | Y | 11 |
| 63 | 117105131 | 40 | NOC:Satellite Communication Systems | Y | Y | Y | 8.9 |
| 64 | 117104128 | 35 | NOC:Digital Switching-I | Y | Y | Y | 3.3 |

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| 65 | 117104126 | 35 | NOC:Bayesian/MMSE Estimation for Wireless Communications MIMO / OFDM Cellular and Sensor Networks | Y | Y | Y | 1.6 |
| 66 | 117105130 | 20 | NOC:Basic Building Blocks of Microwave Engineering | Y | Y | Y | 5.2 |
| 67 | 117105134 | 40 | NOC:Discrete Time Signal Processing | Y | Y | Y | 11 |
| 68 | 117104129 | 24 | NOC:An Introduction to Information Theory | Y | Y | Y | 2.6 |
| 69 | 117104127 | 54 | NOC:Optical Communications | Y | Y | Y | 2.9 |
| 70 | 117103125 | 54 | NOC:VLSI Design Verification and Test | Y | Y | Y | 16 |
| 71 | 117108047 | 41 | Nanoelectronics: Devices and Materials | Y | Y | Y | 14 |
| 72 | 117105139 | 40 | NOC:Millimeter Wave Technology | Y | Y | Y | 11 |
| 73 | 117105138 | 20 | NOC:Design Principles of RF and Microwave Filters and Amplifiers | Y | Y | Y | 5.5 |
| 74 | 117105137 | 60 | NOC:Digital VLSI Testing | Y | Y | Y | 14 |
| 75 | 117105136 | 69 | NOC:Spread Spectrum Communications and Jamming | Y | Y | Y | 16 |
| 76 | 117108140 | 61 | NOC:Enclosure Design of Electronics Equipment | Y | Y | Y | 12 |
| 77 | 117108141 | 118 | NOC:Design of Photovoltaic Systems | Y | Y | Y | 11 |
| 78 | 117108142 | 14 | NOC:Photonic Integrated Circuits | Y | Y | Y | 4.7 |
| 79 | 117105140 | 60 | NOC:Power System Analysis | Y | Y | Y | 16 |
| 80 | 117105143 | 60 | NOC:Analog Communication | Y | Y | Y | 16 |
| 81 | 117105144 | 60 | NOC:Modern Digital Communication Techniques | Y | Y | Y | 16 |
| 82 | 117105145 | 44 | NOC:Digital Speech Processing | Y | Y | Y | 12 |
| 83 | 117105147 | 58 | NOC:Analog Circuits and Systems through SPICE Simulation | Y | Y | Y | 21 |
| 84 | 108107107 | 20 | NOC:Basics of Software Defined Radios and Practical Applications | Y | Y | Y | 4.3 |
| 85 | 108106105 | 57 | NOC:Analog IC Design | Y | Y | Y | 42 |
| 86 | 117103148 | 70 | NOC:Design of Power Electronic Converters | --- | Y | --- | 4.0 |
| 87 | 117103149 | 35 | NOC:Operation and Planning of Power Distribution Systems | --- | Y | Y | 6.3 |
| 88 | 117105148 | 58 | NOC:Communication Networks | --- | Y | --- | 5.1 |
| 89 | 117105149 | 60 | NOC:Signal Processing Techniques and its Applications | --- | Y | --- | 6.0 |
| 90 | 117106148 | 63 | NOC:Circuit Analysis for Analog Designers | --- | Y | --- | 5.3 |
| 91 | 117106149 | 94 | NOC:Design and Analysis of VLSI Subsystems | Y | Y | --- | 5.8 |
| 92 | 117107148 | 40 | NOC:Digital Protection of Power System | --- | Y | --- | 4.6 |
| 93 | 117107149 | 60 | NOC:Physics of Nanoscale Devices | --- | Y | --- | 5.3 |
| 94 | 117108148 | 53 | NOC:Neural Science for Engineers | --- | Y | Y | 7.7 |

Discipline : Nanotechnology

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| 1 | 118102003 | 40 | Nano structured materials-synthesis, properties, self assembly and applications | Y | Y | Y | 34 |
| 2 | 118104008 | 45 | Nanostructures and Nanomaterials: Characterization and Properties | Y | Y | Y | 20 |

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| 1 | 119106008 | 41 | Introduction to Atmospheric Science | Y | Y | Y | 29 |
| 2 | 119108004 | 38 | Radiation Heat Transfer | Y | Y | Y | 11 |
| 3 | 119108006 | 42 | The monsoon and its variability | Y | Y | Y | 11 |

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| 1 | 121104005 | 40 | Introduction to Japanese Language and Culture | Y | Y | Y | 18 |
| 2 | 121106003 | 20 | Ayurvedic Inheritance of India | Y | Y | Y | 9.3 |
| 3 | 121104006 | 5 | Astronomy in Ancient, Medieval and Early Telescopic Era of India | Y | Y | Y | 3.6 |
| 4 | 121106007 | 48 | NOC:Introduction to Research | Y | Y | Y | 13 |
| 5 | 121106008 | 22 | NOC:Biology for engineers and other non-biologists | Y | Y | Y | 11 |
| 6 | 121105009 | 20 | NOC:Stress Management | Y | Y | Y | 5.5 |
| 7 | 121105010 | 20 | NOC:Outcome Based Pedagogic Principles for Effective Teaching | Y | Y | Y | 5.2 |
| 8 | 121107009 | 20 | NOC:Introduction to Remote Sensing | Y | Y | Y | 5.5 |
| 9 | 121106011 | 22 | NOC:Digital and the Everyday: from Codes to Cloud | Y | Y | Y | 26 |
| 10 | 121106012 | 25 | NOC:Effective Engineering Teaching in Practice | Y | Y | Y | 32 |
| 11 | 121106013 | 90 | NOC:Virtual Reality Engineering | Y | Y | Y | 35 |
| 12 | 121106014 | 40 | NOC:Non-Conventional Energy Resources | Y | Y | Y | 77 |

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| 1 | 122102004 | 16 | Applied mechanics | Y | Y | Y | 4.4 |
| 2 | 122102007 | 39 | Management Science I | Y | Y | Y | 11 |
| 3 | 122102008 | 36 | Materials Science | Y | Y | Y | 15 |
| 4 | 122102009 | 41 | Numerical Methods and Computation | Y | Y | Y | 9.1 |
| 5 | 122104015 | 31 | Engineering Mechanics | Y | Y | Y | 6.8 |
| 6 | 122104016 | 29 | Engineering Physics II | Y | Y | Y | 6.2 |
| 7 | 122104017 | 32 | Mathematics I | Y | Y | Y | 3.4 |
| 8 | 122105020 | 22 | Human Resource Management-I | Y | Y | Y | 4.6 |
| 9 | 122105021 | 13 | Leadership | Y | Y | Y | 2.7 |
| 10 | 122105022 | 29 | Management Information System | Y | Y | Y | 5.8 |
| 11 | 122105023 | 44 | Physics I - Oscillations and Waves | Y | Y | Y | 9.2 |
| 12 | 122105024 | 11 | Strategic Management | Y | Y | Y | 2.3 |
| 13 | 122106025 | 40 | Basic Electronics and Lab | Y | Y | Y | 11 |
| 14 | 122106027 | 38 | Classical Physics | Y | Y | Y | 8.6 |
| 15 | 122106028 | 10 | Engineering Chemistry - I | Y | Y | Y | 2.7 |
| 16 | 122106033 | 38 | Numerical Methods and Programming | Y | Y | Y | 9.8 |

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| 17 | 122106034 | 31 | Quantum Physics | Y | Y | Y | 7.2 |
| 18 | 122107035 | 40 | Engineering Physics - I | Y | Y | Y | 24 |
| 19 | 122107036 | 38 | Mathematics - II | Y | Y | Y | 7.5 |
| 20 | 122107037 | 39 | Mathematics - III | Y | Y | Y | 7.7 |
| 21 | 122108038 | 40 | Concept of Management and Evolution of Management thought | Y | Y | Y | 11 |
| Discipline : Mining Engineering Go to Top | | | | | | | |
| Video Lecture Topics @ http://www.digimat.in/downloads/topics/mining-engineering.pdf | | | | | | | |
| 1 | 123105001 | 36 | Fundamentals of Environmental Pollution and Control | Y | Y | Y | 11 |
| 2 | 123105003 | 40 | NOC:Drilling and Blasting Technology | Y | Y | Y | 11 |
| 3 | 123105004 | 20 | NOC:Network Analysis for Mines and Mineral Engineering | Y | Y | Y | 5.3 |
| 4 | 123105005 | 60 | NOC:Mining Machinery | Y | Y | --- | 8.3 |
| 5 | 123105006 | 60 | NOC:Underground Mining of Metalliferous Deposits | Y | Y | Y | 8.1 |
| 6 | 123105007 | 60 | NOC:Surface Mining Technology | Y | Y | --- | 7.4 |
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| 1 | 124107001 | 40 | NOC:Housing Policy and Planning | Y | Y | Y | 11 |
| 2 | 124105001 | 40 | NOC:Landscape Architecture and Site Planning - Basic Fundamentals | Y | Y | Y | 12 |
| 3 | 124107002 | 20 | NOC:Visual Communication Design for Digital Media | Y | Y | Y | 4.6 |
| 4 | 124105003 | 43 | NOC:Architectural Conservation and Historic Preservation | Y | Y | Y | 11 |
| 5 | 124105004 | 40 | NOC:Architectural Acoustics | Y | Y | Y | 11 |
| 6 | 124107004 | 40 | NOC:Culturally Responsive Built Environments | Y | Y | Y | 12 |
| 7 | 124107005 | 40 | NOC:Contemporary Architecture and Design | Y | Y | Y | 10 |
| 8 | 124107006 | 40 | NOC:Role of Craft and Technology in Interior-Architecture | Y | Y | Y | 11 |
| 9 | 124106009 | 20 | NOC:Introduction to History of Architecture in India | Y | Y | Y | 17 |
| 10 | 124107007 | 60 | NOC:Urban Governance and Development Management | Y | Y | Y | 12 |
| 11 | 124107008 | 20 | NOC:User Interface Design | Y | Y | Y | 5.8 |
| 12 | 124107010 | 40 | NOC:Disaster Recovery and Build Back Better | Y | Y | Y | 8.1 |
| 13 | 124107012 | 40 | NOC:Structure, Form and Architecture: The Synergy | Y | Y | Y | 9.9 |
| 14 | 124107011 | 60 | NOC:Sustainable Architecture | Y | Y | Y | 14 |
| 15 | 124105013 | 40 | NOC:Building Materials and Composites | Y | Y | Y | 19 |
| 16 | 124105014 | 60 | NOC:Environmental Soil Chemistry | Y | Y | Y | 31 |
| 17 | 124105015 | 40 | NOC:Structural System in Architecture | Y | Y | Y | 12 |
| 18 | 124105016 | 60 | NOC:Urban Landuse and Transportation Planning | Y | Y | Y | 20 |
| 19 | 124106157 | 43 | NOC:Strategies for Sustainable Design | Y | Y | Y | 4.6 |
| 20 | 124107157 | 40 | NOC:Engineering/Architectural Graphics - Part I: Orthographic projection | Y | Y | Y | 11 |
| 21 | 124105158 | 60 | NOC:Urban utilities Planning : Water Supply, Sanitation and Drainage | Y | Y | Y | 8.0 |
| 22 | 124107158 | 40 | NOC:Introduction to Urban Planning | --- | Y | --- | 5.6 |
| 23 | 124107159 | 20 | NOC:Engineering, Architectural Graphics - Part II | --- | Y | --- | 2.6 |

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|---|---------------------------|----|--|-----|---|-----|-----|
| | | | (Isometric and Axonometric Drawings) | | | | |
| 24 | 124107160 | 60 | NOC:Environmental Impact Assessment | --- | Y | --- | 12 |
| 25 | 124107161 | 40 | NOC:Modern Indian Architecture | --- | Y | --- | 8.9 |
| 26 | 124107162 | 20 | NOC:International Studies in Vernacular Architecture | --- | Y | --- | 3.2 |
| Discipline : Agriculture Go to Top | | | | | | | |
| Video Lecture Topics @ http://www.digimat.in/downloads/topics/agriculture.pdf | | | | | | | |
| 1 | 126104001 | 26 | NOC:Basic Crop Production Practices (BCPP) | --- | Y | --- | 1.9 |
| 2 | 126104002 | 46 | NOC:GIS in Ag-Essentials and Applications (GIS) | Y | Y | Y | 3.9 |
| 3 | 126104003 | 47 | NOC:Integrated Pest Management (IPM) | --- | Y | --- | 5.7 |
| 4 | 126104004 | 49 | NOC:Nutrition, Therapeutics and Health (NM) | Y | Y | --- | 4.7 |
| 5 | 126104005 | 36 | NOC:Weather Forecast in Agriculture and Agro-advisory (WF) | Y | Y | Y | 3.2 |
| 6 | 126104006 | 45 | NOC:ICT Basics | Y | Y | Y | 3.2 |
| 7 | 126105008 | 60 | NOC:Momentum Transfer in Process Engineering | Y | Y | Y | 16 |
| 8 | 126105009 | 60 | NOC:Farm Machinery | Y | Y | Y | 14 |
| 9 | 126105010 | 60 | NOC:Irrigation and Drainage | Y | Y | Y | 17 |
| 10 | 126105011 | 60 | NOC:Fundamentals of Food Process Engineering | Y | Y | Y | 17 |
| 11 | 126105012 | 56 | NOC:Soil and Water Conservation Engineering | Y | Y | Y | 11 |
| 12 | 126105013 | 60 | NOC:Dairy and Food Process and Products Technology | Y | Y | Y | 16 |
| 13 | 126105014 | 40 | NOC:Organic Farming for Sustainable Agricultural Production | Y | Y | Y | 10 |
| 14 | 126105015 | 60 | NOC:Novel Technologies for Food Processing and Shelf Life Extension | Y | Y | Y | 18 |
| 15 | 126105016 | 60 | NOC:Soil Science and Technology | Y | Y | Y | 16 |
| 16 | 126103017 | 31 | NOC:Thermal Processing of Foods | Y | Y | Y | 19 |
| 17 | 126105018 | 60 | NOC:Thermal Operations in Food Process Engineering: Theory and Applications | Y | Y | Y | 16 |
| 18 | 126105019 | 60 | NOC:Micro Irrigation Engineering | Y | Y | --- | 11 |
| 19 | 126105020 | 44 | NOC:Instrumentation and Process Control in Food Industry | --- | Y | --- | 3.4 |
| 20 | 126105021 | 60 | NOC:Machine Learning for Soil and Crop Management | Y | Y | Y | 6.8 |
| 21 | 126103022 | 65 | NOC:Natural Resources Management | --- | Y | --- | 6.8 |
| 22 | 126105022 | 61 | NOC:Advanced Aquaculture Technology | --- | Y | --- | 6.1 |
| 23 | 126105023 | 60 | NOC:Post Harvest Operations and Processing of Fruits, Vegetables, Spices and Plantation Crop Products | --- | Y | --- | 7.9 |
| 24 | 126105024 | 60 | NOC:Soil Fertility and Fertilizers | --- | Y | --- | 6.0 |
| Discipline : Multi-Disciplinary Go to Top | | | | | | | |
| Video Lecture Topics @ http://www.digimat.in/downloads/topics/multi-disciplinary.pdf | | | | | | | |
| 1 | 127106001 | 83 | NOC:Neuroscience of Human Movement | Y | Y | Y | 71 |
| 2 | 127106003 | 76 | NOC:Manage TB | Y | Y | Y | 40 |
| 3 | 127106004 | 45 | NOC:Ecology and Environment | Y | Y | Y | 38 |
| 4 | 127101010 | 38 | NOC:Designing Learner-Centric MOOCs | Y | Y | Y | 6.3 |

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|----|---------------------------|-----|---|-----|---|-----|-----|
| 5 | 127105006 | 42 | NOC:Fuzzy Logic and Neural Networks | Y | Y | Y | 11 |
| 6 | 127105007 | 60 | NOC:Entrepreneurship Essentials | Y | Y | --- | 15 |
| 7 | 127105008 | 39 | NOC:Roadmap for Patent Creation | Y | Y | Y | 20 |
| 8 | 127106009 | 13 | NOC:Current Regulatory Requirements for Conducting Clinical Trials in India | Y | Y | Y | 4.6 |
| 9 | 127106010 | 11 | NOC:Regulatory Requirements for Medical Devices and IVD kits in India | Y | Y | Y | 5.8 |
| 10 | 127108005 | 20 | NOC:Teaching and Learning in Engineering (TALE) | Y | Y | Y | 3.4 |
| 11 | 127101012 | 18 | NOC:Introduction to Learning Analytics | Y | Y | Y | 3.5 |
| 12 | 127101013 | 33 | NOC:Designing Learner-Centric e-Learning in STEM Disciplines | Y | Y | Y | 9.3 |
| 13 | 127101014 | 25 | NOC:Sustainable and Affordable Sanitation Solutions for Small Towns: Policy, Planning and Practice | Y | Y | Y | 17 |
| 14 | 127105017 | 41 | NOC:Accreditation and Outcome based Learning | --- | Y | Y | 15 |
| 15 | 127105018 | 60 | NOC:Introduction to Environmental Engineering and Science - Fundamental and Sustainability Concepts | --- | Y | Y | 18 |
| 16 | 127106019 | 113 | NOC:Numerical Methods for Engineers | --- | Y | --- | 44 |
| 17 | 127108015 | 19 | NOC:Teaching and Learning in General Programs: TALG | Y | Y | Y | 4.7 |
| 18 | 127108016 | 35 | NOC:TALE 2: Course Design and Instruction of Engineering Courses | Y | Y | Y | 9.0 |
| 19 | 127106134 | 22 | Basic Course in Biomedical Research | --- | Y | Y | 6.6 |
| 20 | 127106137 | 28 | NOC:Current Regulatory Requirements for Conducting Clinical Trials in India for Investigational New Drugs (Version 2.0) | Y | Y | Y | 15 |
| 21 | 127108135 | 62 | NOC:NBA Accreditation and Teaching Learning in Engineering (NATE) | Y | Y | Y | 14 |
| 22 | 127106136 | 14 | NOC:Regulatory Requirements for Medical Devices including in Vitro Diagnostics in India (Version 2.0) | Y | Y | Y | 6.8 |
| 23 | 127106135 | 89 | NOC:Thermodynamics | Y | Y | Y | 47 |
| 24 | 106101224 | 61 | NOC:Learning Analytics Tools | Y | Y | Y | 10 |
| 25 | 127103225 | 43 | NOC:Fundamental of Fluid Mechanics for Chemical and Biomedical Engineers | Y | Y | Y | 5.8 |
| 26 | 127105225 | 60 | NOC:Biophotonics | --- | Y | --- | 6.9 |
| 27 | 127106225 | 78 | NOC:Model Predictive Control: Theory and Applications | --- | Y | --- | 5.6 |
| 28 | 127106227 | 72 | NOC:Research Methodology | Y | Y | Y | 7.0 |
| 29 | 127106228 | 24 | NOC:Management of Medical Emergencies in Dental Practice | --- | Y | --- | 1.7 |
| 30 | 127106229 | 44 | NOC:Basic Course in Ornithology | Y | Y | --- | 4.6 |
| 31 | 127106230 | 31 | NOC:Oral Biology | Y | Y | Y | 4.3 |
| 32 | 127105231 | 60 | NOC:Vacuum Technology and Process Application | --- | Y | --- | 12 |
| 33 | 127105232 | 40 | NOC:Basics of Health Promotion and Education Intervention | --- | Y | --- | 3.6 |
| 34 | 127106231 | 40 | NOC:Introduction to Biomimicry | --- | Y | --- | 3.4 |
| 35 | 127106232 | 20 | NOC:Electrocardiogram - Interpretation and Application in Clinical Practice | --- | Y | --- | 1.9 |
| | | | | | | | |

Discipline : Special Lecture Series[Go to Top](#)**Video Lecture Topics @ <http://www.digimat.in/downloads/topics/special.pdf>**

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|----|---------------------------|-----|--|-----|---|-----|-----|
| 1 | 128106001 | 103 | ACM Summer School on Graph Theory and Graph Algorithms | --- | Y | --- | 105 |
| 2 | 128106002 | 73 | ACM Summer School in Data Science (Goa) | --- | Y | --- | 47 |
| 3 | 128106003 | 9 | Topics in Theoretical Computer Science | --- | Y | --- | 17 |
| 4 | 128106004 | 20 | Researching Anglo-Indians in India and the Diaspora | --- | Y | --- | 13 |
| 5 | 128106005 | 94 | Dravidian Temple Architecture and Construction Techniques | --- | Y | --- | 72 |
| 6 | 128106006 | 20 | ACM Summer School in Data Science (Bangalore) | --- | Y | --- | 49 |
| 7 | 128106007 | 36 | ACM Summer School on Algorithmic Game Theory | --- | Y | --- | 9.3 |
| 8 | 128106008 | 33 | ACM Summer School on Graph Theory and Graph Algorithms | --- | Y | --- | 21 |
| 9 | 128106009 | 34 | ACM Summer School on Compiler Design and Construction | --- | Y | --- | 9.8 |
| 10 | 128106010 | 38 | ACM Summer School on Geometric Algorithms and their Applications | --- | Y | --- | 10 |
| 11 | 128106011 | 47 | ACM Summer School on Algorithmic and Theoretical Aspects of Machine Learning | --- | Y | --- | 12 |
| 12 | 128106012 | 20 | ACM Winter School on Hybrid Cloud | --- | Y | --- | 5.8 |
| 13 | 128106013 | 29 | ACM Indian Summer School on Programming Languages: Principles and Practice | --- | Y | --- | 18 |
| 14 | 128106014 | 18 | ACM Winter School 2019 on High Performance Computing (HPC) | --- | Y | --- | 4.4 |
| 15 | 128106015 | 6 | Thermodynamics of Materials | --- | Y | --- | 0.5 |
| 16 | 128108016 | 14 | ACM India Summer School on IoT and Embedded Systems | --- | Y | --- | 2.1 |
| 17 | 128106017 | 31 | ACM India Summer School on Program Execution | --- | Y | --- | 3.7 |
| 18 | 128106018 | 55 | ACM India Summer School on Programming Language Analysis and Optimizations | --- | Y | --- | 3.6 |
| 19 | 128106019 | 50 | ACM Summer School on Shape Modelling | --- | Y | --- | 3.6 |

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|---|---------------------------|----|---|-----|---|-----|-----|
| 1 | 129106001 | 75 | NOC:Right to Information and Good Governance | Y | Y | Y | 5.7 |
| 2 | 129106002 | 59 | NOC:Constitution of India and Environmental Governance: Administrative and Adjudicatory Process | Y | Y | Y | 6.0 |
| 3 | 129106003 | 18 | NOC:Constitutional Studies | Y | Y | Y | 3.8 |
| 4 | 129105004 | 40 | NOC:Introduction to Law on Electricity | --- | Y | --- | 4.9 |
| 5 | 129105005 | 17 | NOC:Legal and Regulatory Issues in Biotechnology | Y | Y | Y | 2.4 |
| 6 | 129105006 | 60 | NOC:New Labour Codes of India | --- | Y | --- | 6.8 |
| 7 | 129106006 | 56 | NOC:Advanced Contracts, Tendering and Public Procurement | --- | Y | --- | 4.6 |

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|---|---------------------------|----|--|---|---|---|-----|
| 1 | 130106001 | 65 | NOC:Introduction to Econometrics | Y | Y | Y | 5.5 |
| 2 | 130106113 | 72 | NOC:Environmental and Resource Economics | Y | Y | Y | 5.9 |
| 3 | 130104114 | 41 | NOC:Microfoundations of Macroeconomics | Y | Y | Y | 4.3 |

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|---|---------------------------|-----|--|-----|---|-----|-----|
| 4 | 130104115 | 118 | NOC:Introduction to Microeconomics in Hindi and without Calculus | --- | Y | --- | 4.2 |
| 5 | 130104116 | 60 | NOC:Economics of Banking and Finance Markets | --- | Y | --- | 4.5 |
| 6 | 130106115 | 49 | NOC:Spatial Statistics and Spatial Econometrics | --- | Y | --- | 4.8 |