PG COURSES

Civil Engineering Sciences

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|-------------------|--|--------------------------------|----------|--|---------|
| | | | | | | |
| 1 | Civil Engineering | Geosynthetics And Reinforced | Prof. K.Rajagopal | 12 Weeks | https://online.vtu.ac.in/course-details/g | 3 |
| 2 | Civil Engineering | Ground Improvement | Prof. Dilip Kumar Baidya | 12 Weeks | https://online.vtu.ac.in/course-details/G | 3 |
| 3 | Civil Engineering | Pavement Materials (Under P | Prof. Nikhil Saboo | 12 weeks | https://online.vtu.ac.in/course-details/p | 3 |
| 4 | Civil Engineering | Integrated Waste Management | Prof. Brajesh Kumar Dubey | 12 Weeks | https://online.vtu.ac.in/course-details/in | 3 |
| 5 | Civil Engineering | Sustainable Engineering Conc | Prof. Brajesh Kumar Dubey | 8 Weeks | https://online.vtu.ac.in/course-details/S | 2 |
| 6 | Civil Engineering | Subsurface Exploration :Impo | Prof. Abhishek Kumar | 8 Weeks | https://online.vtu.ac.in/course-details/s | 2 |
| 7 | Civil Engineering | Environmental Geomechanics | Prof. D. N. Singh | 12 Weeks | https://online.vtu.ac.in/course-details/E | 3 |
| | | Earthquake Resistant Design of | | | | |
| 8 | Civil Engineering | Foundations | Prof. B. K. Maheshwari | 8 Weeks | Link will be Updated Soon | 2 |
| | | Introduction to Accounting and Finance | Prof. K. N. Jha | | | |
| 9 | Civil Engineering | for Civil Engineers | Prof. Sudhir Misra | 8 Weeks | Link will be Updated Soon | 2 |
| 10 | Civil Engineering | Plastic Waste Management | Prof. Brajesh Kumar Dubey | 8 Weeks | Link will be Updated Soon | 2 |
| | | | M. R. Nivitha (MRN) | | | |
| | | | Neethu Roy (NR) | | | |
| | O. 11 E | Analysis and Design of Bituminous | A. Padmarekha (APR) | | | |
| 11 | Civil Engineering | Pavements | J. Murali Krishnan (JMK) | 12 Weeks | Link will be Updated Soon | 3 |
| 12 | Civil Engineering | Industrial Wastewater Treatment | Prof Alok Sinha Prof S K Gupta | 12 weeks | Link will be Updated Soon | 3 |
| | | | | | | |

Computer Science and Engineering

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|--------------------|----------------------------------|-----------------------------------|----------|--|---------|
| | | | | | | |
| 1 | Computer Science a | Reinforcement Learning | Prof. Balaraman Ravindran | 12 Weeks | https://online.vtu.ac.in/course-details/R | 3 |
| 2 | Computer Science a | Parameterized Algorithms | Prof. Neeldhara Misra Prof. Saket | 12 Weeks | https://online.vtu.ac.in/course-details/p | 3 |
| | | | Prof. Satyadhyan Chickerur | | | |
| 3 | Computer Science a | Applied Accelerated Artificial I | | 12 Weeks | https://online.vtu.ac.in/course-details/A | 3 |
| 4 | Computer Science a | Social Networks | Prof. B Prof. Yayati Gupta | 12 Weeks | https://online.vtu.ac.in/course-details/ | 3 |
| 5 | Computer Science a | Computational Complexity | SUBRAHMANYAM KALYANASUNDARA | 12 Weeks | https://online.vtu.ac.in/course-details/c | 3 |
| 6 | Computer Science a | Introduction To Game Theory | Prof. Swaprava Nath | 12 Weeks | https://online.vtu.ac.in/course-details/In | 3 |
| 7 | Computer Science a | Discrete Mathematics - IIITB | Prof Ashish Choudhary | 12 Weeks | https://online.vtu.ac.in/course-details/di | 3 |
| 8 | Computer Science a | Advanced Distributed System | Prof. Smruti Ranjan Sarangi | 12 Weeks | https://online.vtu.ac.in/course-details/a | 3 |
| 9 | Computer Science a | Privacy And Security In Online | Prof. Ponnurangam Kumaraguru | 12 Weeks | https://online.vtu.ac.in/course-details/P | 3 |

| 10 | Computer Science a Distributed Systems | Prof. Rajiv Misra | 8 Weeks | https://online.vtu.ac.in/course-details/di | 2 |
|----|--|-------------------------|----------|--|---|
| 11 | Computer Science a Ethical Hacking | Prof. Indranil Sengupta | 12 Weeks | https://online.vtu.ac.in/course-details/E | 3 |
| 12 | Computer Science a Hardware Modeling Using Ver | Prof. Indranil Sengupta | 8 Weeks | https://online.vtu.ac.in/course-details/H | 2 |
| 13 | Computer Science a Data Structure And Algorithms | Prof. Debasis Samanta | 12 Weeks | https://online.vtu.ac.in/course-details/d | 3 |
| 14 | Computer Science a Machine Learning For Earth S | Prof. Adway Mitra | 8 Weeks | https://online.vtu.ac.in/course-details/M | 2 |

Mechanical Enginnering

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|---|---|---|------------|---|---------|
| | | | | | | |
| 1 | Mechanical Enginee | Advanced Thermodynamics A | Prof. Niranjan Sahoo | 12 Weeks | https://online.vtu.ac.in/course-details/a | 3 |
| 2 | Mechanical Enginee | Advanced Dynamics | Prof. Anirvan Dasgupta | 12 Weeks | https://online.vtu.ac.in/course-details/a | 3 |
| 3 | Mechanical Enginee | Mechanism And Robot Kinem | Prof. Anirvan Dasgupta | 8 Weeks | https://online.vtu.ac.in/course-details/M | 2 |
| 4 | Mechanical Enginee | Power Plant Engineering | Prof. Ravi Kumar | 8 Weeks | https://online.vtu.ac.in/course-details/P | 2 |
| 5 | Mechanical Enginee | Nonlinear Adaptive Control | Prof. Srikant Sukumar | 12 Weeks | https://online.vtu.ac.in/course-details/n | 3 |
| 6 | Mechanical Enginee | Mechanics And Control Of Ro | Prof. Santhakumar Mohan | 8 Weeks | https://online.vtu.ac.in/course-details/m | 2 |
| 7 | Mechanical Enginee | Dynamic Behaviour Of Materi | Prof. Prasenjit KhanikarProf. Janal | k 12 Weeks | https://online.vtu.ac.in/course-details/D | 3 |
| 8 | Mechanical Enginee | Metal Additive Manufacturing | Prof. Amandeep | 12 Weeks | https://online.vtu.ac.in/course-details/M | 3 |
| 9 | | Advanced Machining Process X-Ray Crystallography & Diffr | Prof. Manas DasProf. Ranjit Kuma | 8 Weeks | https://online.vtu.ac.in/course-details/A | 2 |
| 10 | Metallurgical and M | Experimental Stress Analysis Manufacturing Guidelines For Product | Prof. K. Ramesh | 12 Weeks | Link will be Updated Soon | 3 |
| 11 | Metallurgical and M | | Prof. Inderdeep Singh | 8 Weeks | Link will be Updated Soon | 2 |
| 12 | Mechanical Enginee Metallurgical and M Mechanical Enginee | Explosions and Safety | Prof. K. Ramamurthi Prof. Prasad Patnaik BSV | 12 Weeks | Link will be Updated Soon | 3 |
| 13 | Metallurgical and M | Theory Of Composite Shells | Prof. Poonam Kumari | 8 Weeks | Link will be Updated Soon | 2 |

Architecture and Planning

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|----------------------|--------------------------------|---------------------------|----------|--|---------|
| | | | | | | |
| 1 | Architecture and Pla | Urban Utilities Planning : Wat | Prof. Debapratim Pandit | 12 Weeks | https://online.vtu.ac.in/course-details/u | 3 |
| 2 | Architecture and Pla | Architectural Conservation An | Prof. Sanghamitra Basu | 8 Weeks | https://online.vtu.ac.in/course-details/a | 2 |
| 3 | Architecture and Pla | Urban Landuse And Transport | Prof. Debapratim Pandit | 12 Weeks | https://online.vtu.ac.in/course-details/u | 3 |
| 4 | Architecture and Pla | Introduction To Urban Plannin | Prof. Harshit Sosan Lakra | 8 Weeks | https://online.vtu.ac.in/course-details/In | 2 |

| 5 | Architecture and Pla Role Of Craft And Technology | Prof. Smriti Saraswat | 8 Weeks | https://online.vtu.ac.in/course-details/ro | 2 |
|----|---|-------------------------|----------|--|---|
| 6 | Architecture and Pla Housing Policy & Planning | Prof. Uttam Kumar Roy | 8 Weeks | https://online.vtu.ac.in/course-details/h | 2 |
| 7 | Architecture and Pla Urban governance and Devel | Prof. Uttam Kumar Roy | 12 Weeks | https://online.vtu.ac.in/course-details/u | 3 |
| 8 | Architecture and Pla Contemporary Architecture An | Prof. Saptarshi Kolay | 8 Weeks | https://online.vtu.ac.in/course-details/C | 2 |
| | Contemporary Architecture An | | | | |
| 9 | Architecture and Pla | Prof. Saptarshi Kolay | 8 Weeks | https://online.vtu.ac.in/course-details/C | 2 |
| 10 | Architecture and Pla Urban Services Planning | Prof. Debapratim Pandit | 12 Weeks | Link will be Updated Soon | 3 |

Aerospace Engineering

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|---------------------------------|---|-----------------------------------|----------|--|---------|
| 1 | Aerospace Engineer Aerospace | Introduction To Airplane Perfo | Prof. A K Ghosh Prof Deepu Philip | 8 Weeks | https://online.vtu.ac.in/course-details/In | 2 |
| 2 | engineering | Introduction To Airbreathing Propulsion | Prof. Ashoke De | 12 Weeks | https://online.vtu.ac.in/course-details/In | 3 |
| 3 | Aerospace Engineer | Design Of Fixed Wing Unman | Prof. Subrahmanyam Saderla | 8 Weeks | https://online.vtu.ac.in/course-details/D | 2 |
| 4 | Aerospace Engineer | Aerodynamic Design Of Axial | Prof. Chetankumar Sureshbhai Mi | 12 Weeks | https://online.vtu.ac.in/course-details/A | 3 |

Textile Engineering

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|---------------------|--|-----------------------|----------|--|---------|
| | Textile Engineering | Principles Of Combing, Roving | Prof. R Chattopadhyay | 12 Weeks | | |
| 1 | | | | | https://online.vtu.ac.in/course-details/p | 3 |
| 2 | Textile Engineering | Yarn Manufacture I : Principle | Prof. R Chattopadhyay | 12 Weeks | https://online.vtu.ac.in/course-details/y | 3 |
| 3 | Textile Engineering | Technical Textiles | Prof. Apurba Das | 12 Weeks | https://online.vtu.ac.in/course-details/T | 3 |
| 4 | | Science Of Clothing Comfort Textile | Prof. Apurba Das | 12 Weeks | https://online.vtv.ac.in/course details/s | 3 |
| 4 | Textile Engineering | e e e e e e e e e e e e e e e e e e e | D (K 1 10 | | https://online.vtu.ac.in/course-details/s | |
| 5 | Textile Engineering | 9 | Prof. Kushal Sen | 12 Weeks | https://online.vtu.ac.in/course-details/te | 3 |
| 6 | Textile Engineering | Science And Technology Of W | Prof. Bipin Kumar | 12 Weeks | https://online.vtu.ac.in/course-details/s | 3 |
| 7 | Textile Engineering | Advanced Textile Printing Technology Testing of Functional and Technical | Prof. Kushal Sen | 8 Weeks | Link will be Updated Soon | 2 |
| 8 | Textile Engineering | Textiles | Prof. Apruba Das | 8 Weeks | Link will be Updated Soon | 2 |
| 9 | Textile Engineering | Textile Product Design and Development | Prof. R Chattopadhyay | 12 Weeks | Link will be Updated Soon | 3 |
| 10 | Textile Engineering | Textured Yarn Technology | Prof. Kushal Sen | 12 Weeks | Link will be Updated Soon | 3 |

Management

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|------------|---|---|---------------------|--|---------|
| | | | | 12 Weeks | | |
| 1 | Management | Management Accounting | Prof. Anil K. Sharma | 12 Weeks | https://online.vtu.ac.in/course-details/m | 3 |
| 2 | Management | Manufacturing Strategy | Prof. Rajat Agrawal | 8 Weeks | https://online.vtu.ac.in/course-details/m | 2 |
| 3 | Management | Security Analysis & Portfolio Intellectual Property Rights and | Prof. SINGH J P | 12 Weeks 8 Weeks | https://online.vtu.ac.in/course-details/S | 3 |
| 4 | Management | Competition Law | Prof. K. D. Raju | | https://online.vtu.ac.in/course-details/In | 2 |
| 5 | Management | Entrepreneurship Financial Accounting | Prof. C Bhaktavatsala Rao Prof. Varadraj Bapat | 12 Weeks | https://online.vtu.ac.in/course-details/E | 3 |
| 6 | Management | Organization Development And Change | , 1 | 8 Weeks | https://online.vtu.ac.in/course-details/F | 2 |
| 7 | Management | In 21st Century Strategic Management - The Competitive | Prof. Ashish Pandey | 8 Weeks | https://online.vtu.ac.in/course-details/O | 2 |
| 8 | Management | Edge | Prof. R Srinivasan | 8 Weeks | https://online.vtu.ac.in/course-details/st | 2 |
| | | Automation in Production Systems and | Prof. Pradip Kumar Ray | | | |
| 9 | Management | Management | | 12 Weeks | https://online.vtu.ac.in/course-details/A | 3 |
| 10 | Management | Patent Search for Engineers and Lawyers | Prof. M Padmavati | 8 Weeks | https://online.vtu.ac.in/course-details/p | 2 |

General

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|-------------------------|---|--------------------------------|----------|--|---------|
| | | | | - | | |
| 1 | Aerospace | Introduction To Aircraft Design | Prof. Rajkumar Pant | 12 Weeks | https://online.vtu.ac.in/course-details/In | 3 |
| 2 | engineering | Organic Farming For Sustaina | Prof. Dilip Kumar Swain | 8 Weeks | https://online.vtu.ac.in/course-details/o | 2 |
| 3 | Agriculture | Micro Irrigation Engineering Introduction | Prof. Kamlesh Narayan Tiwari | 12 Weeks | https://online.vtu.ac.in/course-details/m | 3 |
| 4 | Engineering | | | 8 Weeks | https://online.vtu.ac.in/course-details/In | 2 |
| 5 | Architecture and | Genetic Engineering: Theory | Vishal Trivedi | 12 Weeks | https://online.vtu.ac.in/course-details/G | 3 |
| 6 | | Cellular Biophysics: A Framew Dynamics | Prof. Chaitanya A.Athale Prof. | 8 Weeks | https://online.vtu.ac.in/course-details/C | 2 |
| 7 | - 0 - | 1 | Manish Kumar | 12 Weeks | https://online.vtu.ac.in/course-details/d | 3 |
| 8 | Engineering Chemical | Chemical Process Intensificat | Prof. Subrata Kumar Majumder | 12 Weeks | https://online.vtu.ac.in/course-details/C | 3 |
| 9 | | Introduction To Interfacial Wav | Prof. Ratul Dasgupta | 12 Weeks | https://online.vtu.ac.in/course-details/in | 3 |

| 10 | | Computational Complexity | Prof. Subrahmanyam | 12 Weeks | https://online.vtu.ac.in/course-details/c | 3 |
|----|-------------------|---|----------------------------------|----------|--|---|
| 11 | Computer Science | Introduction To Game Theory | Kalyanasund Prof. Swaprava | 12 Weeks | https://online.vtu.ac.in/course-details/In | 3 |
| 12 | Chemistry | Circular Dichroism (CD) And NMR | Prof. Arnab Dutta | 12 Weeks | https://online.vtu.ac.in/course-details/C | 3 |
| 13 | Chemistry and | Spectroscopy For Chem | Prof. Ashutosh Kumar, Prof. R. V | 12 Weeks | https://online.vtu.ac.in/course-details/N | 3 |
| 14 | Biochemistr | Geographic Information Syste | H Prof. Bharath H Aithal | 12 Weeks | https://online.vtu.ac.in/course-details/g | 3 |
| 15 | Electrical and | Introduction To Wireless And | Prof. David Koilpillai | 12 Weeks | https://online.vtu.ac.in/course-details/In | 3 |
| 16 | Electronics E | Basics of Health Promotion an | Dr. Arista Lahiri | 8 Weeks | https://online.vtu.ac.in/course-details/B | 2 |
| 17 | Multidisciplinary | Fundamentals Of Artificial Inte | Prof. Shyamanta M. Hazarika | 12 Weeks | https://online.vtu.ac.in/course-details/F | 3 |
| 18 | Multidisciplinary | Bandit Algorithm (Online Mac New | Prof. Manjesh Hanawal | 12 Weeks | https://online.vtu.ac.in/course-details/B | 3 |
| 19 | Law | Labour Codes Of India | Prof. Raju Kd | 12 Weeks | https://online.vtu.ac.in/course-details/N | 3 |
| 20 | Mathematics | Partial Differential Equations Introduction | Prof. Sivaji Ganesh | 12 Weeks | https://online.vtu.ac.in/course-details/P | 3 |
| 21 | Mathematics | To Abstract And L | Prof. Sourav Mukhopadhyay | 8 Weeks | https://online.vtu.ac.in/course-details/In | 2 |
| 22 | Management | Working Capital Management | Prof. Anil K. Sharma | 12 Weeks | https://online.vtu.ac.in/course-details/w | 3 |
| 23 | Management | Econometric Modelling Services | Prof. Sujata Kar Prof. Zillur | 8 Weeks | https://online.vtu.ac.in/course-details/e | 2 |
| 24 | Management | Marketing : Integrati | Rahman | 8 Weeks | https://online.vtu.ac.in/course-details/s | 2 |
| 25 | Metallurgical and | Advanced Materials And Proc | Prof. Jayanta Das | 12 Weeks | https://online.vtu.ac.in/course-details/A | 3 |

Design Engineering

| Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits |
|--------|--------------------|------------------------------------|-------------------------|----------|---|---------|
| 1 | Design Engineering | Understanding Ethnography | Prof. Nina Sabnani | 8 Weeks | https://online.vtu.ac.in/course-details/U | 2 |
| 2 | Design Engineering | Understanding Incubation An | Prof. B.K. Chakravarthy | 12 Weeks | https://online.vtu.ac.in/course-details/U | 3 |
| 3 | Design Engineering | Fundamentals of Automotive Systems | Prof. C. S. Shankar Ram | 12 Weeks | Link will be Updated Soon | 3 |

Electrical and Electronics Engineering

| | Sl.No. | Discipline | Course Name | SME Name | Duration | Course Link | Credits | |
|---|--------|------------|-------------|----------|----------|-------------|---------|---|
| - | | | | | | | | - |

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|----|--|----------------------------------|-----------|---|---|
| 2 | Electrical and Electr An Introduction To Coding Theory | Prof. Adrish Banerjee | 8 Weeks | u.ac.in/course-details/an-introduction-to | 2 |
| 3 | Analysis And Design Principles Of Electrical and Electr Microwave Antennas | PROF. AMITABHA BHATTACHAI | 8 Weeks | u.ac.in/course-details/analysis-and-design- principl | 2 |
| J | Electrical and Electricity wave functions | | 12 Weeks | pincipi | _ |
| 4 | Electrical and Electr Microelectronics: Devices To Circuits | PROF.SUDEB DASGUPTA | | https://online.vtu.ac.in/course-details/M | 3 |
| | Applied Optimization For Wireless, | | 12 Weeks | | |
| 5 | Electrical and Electr Machine Learning, Big Data | PROF. ADITYA K. JAGANNATHA | 40 717 1 | https://online.vtu.ac.in/course-details/A | 3 |
| 6 | Mathematical Aspects Of Biomedical Electrical and Electr Electronic System Design | PROF. CHANDRAMANI SINGH | 12 Weeks | https://online.vtv.ag.in/govree_details/m | 3 |
| O | Probability Foundations For Electrical | FROF. CHANDRAWANI SINGH | 12 Weeks | https://online.vtu.ac.in/course-details/m | 3 |
| 7 | Electrical and Electr Engineers | PROF. KRISHNA JAGANNATHAI | 12 WEEKS | https://online.vtu.ac.in/course-details/P | 3 |
| | O | • | 12 Weeks | u.ac.in/course-details/Fiber-Optic- | |
| 8 | Electrical and Electr Fiber Optic Communication Technology | PROF. DEEPA VENKITESH | | Commun | 3 |
| 0 | Principles And Techniques Of Modern | DDOE AN OWN DILL DILLEGE CHAIL | 12 Weeks | | |
| 9 | Electrical and Electr Radar Systems | PROF. AMITABHA BHATTACHAI | 12 Weeks | https://online.vtu.ac.in/course-details/p | 3 |
| 10 | Electrical and Electr Stochastic Control And Communication | PROF. ANKUR A. KULKARNI | 12 vveeks | u.ac.in/course-details/stochastic-control-a | 3 |
| 11 | Electrical and Electr Photonic integrated circuit | Prof. Shankar Kumar Selvaraja | 12 Weeks | Link will be Updated Soon | 3 |
| | Fuzzy Sets, Logic and Systems & | 1 101. Sharikai Tanhar Servaraja | 12 WEEKS | Zink win be opened soon | O |
| 12 | Electrical and Electr Applications | Prof. Nishchal Kumar Verma | 12 weeks | Link will be Updated Soon | 3 |
| 13 | Electrical and Electr Design Of Power Electronic Converters | Prof. Shabari Nath | 8 Weeks | Link will be Updated Soon | 2 |
| | Optical Wireless Communications for | | | | |
| 14 | Electrical and Electr Beyond 5G Networks and IoT | Prof. Anand Srivastava | 12 Weeks | Link will be Updated Soon | 3 |
| 15 | Fundamentals Of MIMO Wireless Electrical and Electr Communication | Prof. Suvra Sekhar Das | 8 Weeks | Link will be Undeted Coop | 2 |
| 13 | Electrical and Electr Communication | rroi. Suvra Seknar Das | o vveeks | Link will be Updated Soon | ۷ |