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Textile Engineering						
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Textile Engineering	Principles Of Combing,Roving Preparation & Ring Spinning	Prof. R Chattopadhyay	12 Weeks	https://online.vtu.ac.in/course-details/principles-of-combing-rov-preparation-ring-spinning	3
2	Textile Engineering	Yarn Manufacture I : Principle Of Opening, Carding And Spinning	Prof. R Chattopadhyay	12 Weeks	https://online.vtu.ac.in/course-details/yarn-manufacture-i-principle-of-opening-carding-and-spinning	3
3	Textile Engineering	Technical Textiles	Prof. Apurba Das	12 Weeks	https://online.vtu.ac.in/course-details/Technical-Textiles	3
4	Textile Engineering	Science Of Clothing Comfort	Prof. Apurba Das	12 Weeks	https://online.vtu.ac.in/course-details/science-of-clothing-comfort	3
5	Textile Engineering	Textile Finishing	Prof. Kushal Sen	12 Weeks	https://online.vtu.ac.in/course-details/textile-finishing	3
6	Textile Engineering	Science And Technology Of Weft And Warp Knitting	Prof. Bipin Kumar	12 Weeks	https://online.vtu.ac.in/course-details/science-and-technology-of-weft-and-warp-knitting	3
Biotechnology and Bioengineering						
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Biotechnology & Bioengineering	Genetic Engineering: Theory And Application	Prof. Vishal Trivedi, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Genetic-Engineering-Theory-And-Application	3
2	Biotechnology & Bioengineering	Cellular Biophysics: A Framework For Quantitative Biology	Prof. Chaitanya A.Athale	8 Weeks	https://online.vtu.ac.in/course-details/Cellular-Biophysics-A-Framework-For-Quantitative-Biology	2
3	Biotechnology & Bioengineering	Medical Image Analysis	Prof. Ganapathy Krishna	12 Weeks	https://online.vtu.ac.in/course-details/Medical-Image-Analysis	3
4	Biotechnology & Bioengineering	Computer Aided Drug Design	Prof. Mukesh Doble, IITG	8 Weeks	https://online.vtu.ac.in/course-details/Computer-Aided-Drug-Design	2
5	Biotechnology & Bioengineering	Plant Cell Bioprocessing	Prof. Smita Srivastava,	8 Weeks	https://online.vtu.ac.in/course-details/Plant-Cell-Bioprocessing	2
6	Biotechnology & Bioengineering	Bioreactors	Prof. G.K. Suraishkumar	4 Weeks	https://online.vtu.ac.in/course-details/Bioreactors	1
7	Biotechnology & Bioengineering	Introduction To Biomedical Imaging Systems	Prof. Arun K. Thittai, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Biomedical-Imaging-Systems	3
8	Biotechnology & Bioengineering	Organ Printing	Prof. Falguni Pati, IIT Hyderabad	8 Weeks	https://online.vtu.ac.in/course-details/Organ-Printing	2
9	Biotechnology & Bioengineering	Genome Editing And Engineering	Prof. Utpal Bora, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Genome-Editing-And-Engineering	3
10	Biotechnology & Bioengineering	Functional Genomics	Prof. S.Ganesh, IITK	4 Weeks	https://online.vtu.ac.in/course-details/Functional-Genomics	1
11	Biotechnology & Bioengineering	Conservation Geography	Prof. Ankur Awadhya, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Conservation-Geography	3
12	Biotechnology & Bioengineering	Experimental Biotechnology	Prof. Vishal Trivedi, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Experimental-Biotechnology	3
13	Biotechnology & Bioengineering	Introduction To Mechanobiology	Prof. Shamik Sen, IITB	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Mechanobiology	2
14	Biotechnology & Bioengineering	Industrial Biotechnology	Prof. Debabrata Das, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Industrial-Biotechnology	3
Electrical and Electronics Engineering						
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Electrical and Electronics Engineering	Design of Photovoltaic Systems	Design of Photovoltaic Systems	12 weeks	https://online.vtu.ac.in/course-details/design-of-photovoltaic-systems	3
2	Electrical and Electronics Engineering	Smart Grid: Basics To Advanced Technologies	Smart Grid: Basics To Advanced Technologies Prof. Premalata Jena	12 weeks	https://online.vtu.ac.in/course-details/Smart-Grid-Basics-To-Advanced-Technologies	3
3	Electrical and Electronics Engineering	Advances In UHV Transmission And Distribution	Advances In UHV Transmission And Distribution	8 Weeks	https://online.vtu.ac.in/course-details/advances-in-uhv-transmission-and-distribution	2
4	Electrical and Electronics Engineering	Enclosure Design Of Electronics Equipment	Enclosure Design Of Electronics Equipment	12 Weeks	https://online.vtu.ac.in/course-details/enclosure-design-of-electronics-equipment	3
5	Electrical and Electronics Engineering	Microelectronics: Devices To Circuits	Microelectronics: Devices To Circuits	12 Weeks	https://online.vtu.ac.in/course-details/Microelectronics-Devices-To-Circuits	3
6	Electrical and Electronics Engineering	Advanced Linear Continuous Control Systems: Applications	Advanced Linear Continuous Control Systems: Applications	8 Weeks	https://online.vtu.ac.in/course-details/Advanced-Linear-Continuous-Control-Systems-Applications	2
7	Electrical and Electronics Engineering	Dc Microgrid And Control Systems	Dc Microgrid And Control Systems	8 Weeks	https://online.vtu.ac.in/course-details/dc-microgrid-and-control-systems	2
8	Electrical and Electronics Engineering	Electrical Distribution System Analysis	Electrical Distribution System Analysis	8 Weeks	https://online.vtu.ac.in/course-details/electrical-distribution-system-analysis	2
9	Electrical and Electronics Engineering	Digital Control in Switched Mode Power Converters and Inverters	Digital Control in Switched Mode Power Converters and Inverters	12 Weeks	https://online.vtu.ac.in/course-details/digital-control-in-switched-mode-power-converters-and-inverters	3
10	Electrical and Electronics Engineering	VLSI Interconnects	VLSI Interconnects, Prof. Premalata Jena	8 Weeks	https://online.vtu.ac.in/course-details/vlsi-interconnects	2
11	Electrical and Electronics Engineering	System Design Through Verilog	System Design Through Verilog	8 Weeks	https://online.vtu.ac.in/course-details/system-design-through-verilog	2
12	Electrical and Electronics Engineering	Applied Electromagnetics For Engineers	Applied Electromagnetics For Engineers	12 Weeks	https://online.vtu.ac.in/course-details/Applied-Electromagnetics-For-Engineers	3

Computer Science and Engineering						
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Computer Scier	Artificial Intelligence : Search Methods For Problem Sol	Prof. Deepak Khemani	12 Weeks	https://online.vtu.ac.in/course-details/Artificial-Intelligence-Search-Methods-For-Problem-Solving	3
2	Computer Scier	Introduction To Haskell Programming	Prof. S. P Suresh	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Haskell-Programming	2
3	Computer Scier	C Programming And Assembly Language	Prof. Janakiraman Virar	4 Weeks	https://online.vtu.ac.in/course-details/C-Programming-And-Assembly-Language	1
4	Computer Scier	Software Testing (IITKGP)	Prof. Rajib Mall	4 Weeks	https://online.vtu.ac.in/course-details/Software-Testing-IITKGP	1
5	Computer Scier	Introduction To Industry 4.0 And Industrial Internet Of Things	Prof. Sudip Misra	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Industry-4-0-And-Industrial-Internet-Of-Things	3
6	Computer Scier	Natural Language Processing	Prof. Pawan Goyal	12 Weeks	https://online.vtu.ac.in/course-details/Natural-Language-Processing	3
7	Computer Scier	The Joy Of Computing Using Python	Prof. Sudarshan Iyengar	12 Weeks	https://online.vtu.ac.in/course-details/The-Joy-of-Computing-Using-Python	3
8	Computer Scier	Modern Algebra	Prof. Manindra Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/Modern-Algebra	2
9	Computer Scier	Data Base Management System	Prof. Partha Pratim Das	8 Weeks	https://online.vtu.ac.in/course-details/Data-Base-Management-System	2
10	Computer Scier	Python For Data Science	Prof. Ragunathan Reng	4 Weeks	https://online.vtu.ac.in/course-details/Python-for-Data-Science	1
11	Computer Scier	Introduction To Machine Learning	Prof. Balaraman Ravind	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-to-Machine-Learning	3
12	Computer Scier	Data Science For Engineers	Prof. Ragunathan Reng Prof. Shankar Narasiml	8 Weeks	https://online.vtu.ac.in/course-details/Data-Science-for-Engineers	2
13	Computer Scier	Programming, Data Structures And Algorithms Using F	Prof. Madhavan Mukund	8 Weeks	https://online.vtu.ac.in/course-details/Programming-Data-Structures-And-Algorithms-Using-F	2
14	Computer Scier	Google Cloud Computing Foundations	Prof. Soumya Kanti Gh	8 Weeks	https://online.vtu.ac.in/course-details/Google-Cloud-Computing-Foundations	2
15	Computer Scier	Cloud Computing	Prof. Soumya Kanti Gh	12 Weeks	https://online.vtu.ac.in/course-details/Cloud-Computing	3
16	Computer Scier	Programming In Java	Prof. Debasis Samanta	12 Weeks	https://online.vtu.ac.in/course-details/Programming-In-Java	3
17	Computer Scier	Getting Started With Competitive Programming	Prof. Neeldhara Misra	12 Weeks	https://online.vtu.ac.in/course-details/Getting-Started-with-Competitive-Programming	3
Aerospace Engineering						
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Aerospace Eng	Aircraft Stability And Control	Prof. A.K.Ghosh	12 Weeks	https://online.vtu.ac.in/course-details/Aircraft-Stability-And-Control	3
2	Aerospace Eng	Introduction To Airplane Performance	Prof. A K Ghosh Prof Deepu Philip	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airplane-Performance	2
3	Aerospace eng	Introduction To Airbreathing Propulsion	Prof. Ashoke De	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airbreathing-Propulsion	3
4	Aerospace Eng	Design Of Fixed Wing Unmanned Aerial Vehicles	Prof. Subrahmanyam S	8 Weeks	https://online.vtu.ac.in/course-details/Design-Of-Fixed-Wing-Unmanned-Aerial-Vehicles	2
5	Aerospace Eng	Introduction To Aerospace Engineering-Flight	Prof. Rajkumar Pant	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Aerospace-Engineering-Flight	3
6	Aerospace eng	Introduction To Aircraft Design	Prof. Rajkumar Pant	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Aircraft-Design	3
7	Aerospace Eng	Space Flight Mechanics	Prof. Manoranjan Sinha	12 Weeks	https://online.vtu.ac.in/course-details/Space-Flight-Mechanics	3
8	Aerospace Eng	Vibration And Structural Dynamics	Prof. Mira Mitra	8 Weeks	https://online.vtu.ac.in/course-details/Vibration-And-Structural-Dynamics	2
9	Aerospace Eng	Aerodynamic Design Of Axial Flow Compressors & Fa	Prof. Chetankumar Sure	12 Weeks	https://online.vtu.ac.in/course-details/Aerodynamic-Design-Of-Axial-Flow-Compressors-And-Fan	3
Management						
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Management	Toyota Production System	Prof. Rajat Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/Toyota-Production-System	2
2	Management	Training Of Trainers	Prof. Santosh Rangnekar	12 Weeks	https://online.vtu.ac.in/course-details/Training-Of-Trainers	3
3	Management	Business Analytics & Data Mining Modeling Using R P	Prof. Gaurav Dixit	4 Weeks	https://online.vtu.ac.in/course-details/Business-Analytics-Data-Mining-Modeling-Using-R-P	1
4	Management	Yoga And Positive Psychology For Managing Career A	Prof. Ashish Pandey	8 Weeks	https://online.vtu.ac.in/course-details/Yoga-And-Positive-Psychology-For-Managing-Career-And-Productivity	2

5	Management	Decision-Making Under Uncertainty	Prof. N. Gautam	4 Weeks	https://online.vtu.ac.in/course-details/Decision-Making	1
6	Management	Design Thinking - A Primer	Prof. Ashwin Mahalinga Prof. Bala Ramadurai	4 Weeks	https://online.vtu.ac.in/course-details/Design-Thinking-	1
7	Management	Strategy And Technology: A Practical Primer	Prof. C Bhaktavatsala R	12 Weeks	https://online.vtu.ac.in/course-details/Strategy-And-Tec	3
8	Management	Marketing Management - I	Prof. Jayanta Chatterjee Prof. Shashi Shekhar	8 Weeks	https://online.vtu.ac.in/course-details/marketing-manag	2
9	Management	Game Theory	Prof.K.S. Mallikarjuna R	8 Weeks	https://online.vtu.ac.in/course-details/game-theory	2
10	Management	E-Business	Prof. Mamata Jenamani	12 Weeks	https://online.vtu.ac.in/course-details/E-Business	3
11	Management	Corporate Finance	Prof. Abhijeet Chandra	8 Weeks	https://online.vtu.ac.in/course-details/corporate-finance	2
12	Management	Strategic Management For Competitive Advantage	Prof. Sanjib Chowdhury	12 Weeks	https://online.vtu.ac.in/course-details/strategic-manage	3
13	Management	Econometric Modelling	Prof. Sujata Kar	8 Weeks	https://online.vtu.ac.in/course-details/econometric-moc	2
14	Management	Industrial Safety Engineering	Prof. Jhaeswar Maiti	12 Weeks	https://online.vtu.ac.in/course-details/industrial-safety-	3

Mechanical Engineering

SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Mechanical Eng	Fundamentals Of Convective Heat Transfer	Prof. Amaresh Dalal	12 Weeks	https://online.vtu.ac.in/course-details/fundamentals-of-	3
2	Mechanical Eng	Aircraft Propulsion	Prof. Vinayak N. Kulkar	12 Weeks	https://online.vtu.ac.in/course-details/Aircraft-Propulsio	3
3	Mechanical Eng	Laser Based Manufacturing	Prof. S. N. Joshi	8 Weeks	https://online.vtu.ac.in/course-details/Laser-Based-Ma	2
4	Mechanical Eng	Mathematical Modeling Of Manufacturing Processes	Prof. Swarup Bag	12 Weeks	https://online.vtu.ac.in/course-details/mathematical-mc	3
5	Mechanical Eng	Welding Application Technology	Prof. Pankaj Biswas	8 Weeks	https://online.vtu.ac.in/course-details/welding-applicati	2
6	Mechanical Eng	Robotics	Prof. Dk Pratihari	8 Weeks	https://online.vtu.ac.in/course-details/Robotics	2
7	Mechanical Eng	Product Design And Development	Prof. Inderdeep Singh	4 Weeks	https://online.vtu.ac.in/course-details/product-design-a	1
8	Mechanical Eng	Principles Of Metal Forming Technology	Prof. P. K. Jha	8 Weeks	https://online.vtu.ac.in/course-details/principles-of-met	2
9	Mechanical Eng	Selection Of Nanomaterials For Energy Harvesting An	Prof. Kaushik Pal	4 Weeks	https://online.vtu.ac.in/course-details/selection-of-nanc	1
10	Mechanical Eng	Structural Analysis Of Nanomaterials	Prof. Kaushik Pal	4 Weeks	https://online.vtu.ac.in/course-details/structural-analysi	1
11	Mechanical Eng	Introduction To Mechanical Vibration	Prof. Anil Kumar	8 Weeks	https://online.vtu.ac.in/course-details/introduction-to-m	2
12	Mechanical Eng	Fundamentals Of Manufacturing Processes	Prof. D. K. Dwivedi	12 Weeks	https://online.vtu.ac.in/course-details/fundamentals-of-	3
13	Mechanical Eng	Design Of Mechatronic Systems	Prof. Prasanna Gandhi	12 Weeks	https://online.vtu.ac.in/course-details/design-of-mecha	3
14	Design Enginee	Functional And Conceptual Design	Prof. Asokan T	12 Weeks	https://online.vtu.ac.in/course-details/functional-and-cc	3

EL-BM-ML

SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Electrical, Elect	Fundamentals Of Micro And Nanofabrication	Prof Sushobhan Avasti Prof. Shankar Selvaraj	12 Weeks	https://online.vtu.ac.in/course-details/Fundamentals-Of-M	3
2	Computer Scier	Getting Started With Competitive Programming	Prof. Neeldhara Misra	12 Weeks	https://online.vtu.ac.in/course-details/Getting-Started-v	3
3	Computer Scier	Social Network Analysis	Prof. Tanmoy Chakrabo	12 Weeks	https://online.vtu.ac.in/course-details/social-network-ai	3
4	Computer Scier	Design & Implementation Of Human-Computer Interfa	Prof. Samit Bhattachary	12 Weeks	https://online.vtu.ac.in/course-details/Design-Implementat	3
5	Computer Scier	Ethical Hacking	Prof. Indranil Sengupta	12 Weeks	https://online.vtu.ac.in/course-details/Ethical-Hacking	3
6	Computer Scier	Programming In Modern C++	Prof. Partha Pratim Das	12 Weeks	https://online.vtu.ac.in/course-details/programming-in-	3
7	Computer Scier	Data Structure And Algorithms Using Java	Prof. Debasis Samanta	12 Weeks	https://online.vtu.ac.in/course-details/data-structure-ar	3
8	Computer Scier	Introduction To Algorithms And Analysis	Prof. Sourav Mukhopad	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-A	3
9	Computer Scier	Google Cloud Computing Foundations	Prof. Soumya Kanti Gho	8 Weeks	https://online.vtu.ac.in/course-details/Google-Cloud-Cc	2

10	Computer Scier	Artificial Intelligence : Search Methods For Problem Sol	Prof. Deepak Khemani	12 Weeks	https://online.vtu.ac.in/course-details/Artificial-Intellige	3
11	Computer Scier	Python For Data Science	Prof. Ragunathan Reng	4 Weeks	https://online.vtu.ac.in/course-details/Python-for-Data-	1
12	Electrical and E	Discrete Time Signal Processing	Prof. Mrityunjay Chakra	8 Weeks	https://online.vtu.ac.in/course-details/Discrete-Time-Signa	2
13	Electrical and E	Fiber Optic Communication Technology	Prof. Deepa Venkitesh	12 Weeks	https://online.vtu.ac.in/course-details/Fiber-Optic-Commu	3
14	Electrical and E	Applied Optimization For Wireless, Machine Learning,	Prof. Aditya K. Jaganna	12 Weeks	https://online.vtu.ac.in/course-details/Applied-Optimizatio	3
Chemical Engineering						
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Chemical Engir	Colloids And Surfaces	Prof. Basavaraj Madival	8 Weeks	https://online.vtu.ac.in/course-details/Colloids-And-Surfac	2
2	Chemical Engir	Chemical Process Intensification	Prof. Subrata Kumar Ma	12 Weeks	https://online.vtu.ac.in/course-details/Chemical-Process-In	3
3	Chemical Engir	Transport Phenomena Of Non-Newtonian Fluids	Prof. Nanda Kishore	12 Weeks	https://online.vtu.ac.in/course-details/Transport-Phenome	3
4	Chemical Engir	Natural Gas Engineering	Prof. Pankaj Tiwari	8 Weeks	https://online.vtu.ac.in/course-details/Natural-Gas-Engine	2
5	Chemical Engir	Aspen Plus® Simulation Software - A Basic Course Fc	Prof. Prabirkumar Saha	12 Weeks	https://online.vtu.ac.in/course-details/Aspen-Plus%C2%AE	3
6	Chemical Engir	Chemical Process Control	Prof. Sujit Jogwar	8 Weeks	https://online.vtu.ac.in/course-details/chemical-process-co	2
7	Chemical Engir	Trace And Ultra-Trace Analysis Of Metals Using Atomi	Prof. J R Mudakavi	8 Weeks	https://online.vtu.ac.in/course-details/trace-and-ultra-trac	2
8	Chemical Engir	Mechanical Operations	Prof. Shabina Khanam	4 Weeks	https://online.vtu.ac.in/course-details/mechanical-operatic	1
9	Chemical Engir	Equipment Design: Mechanical Aspects	Prof. Shabina Khanam	4 Weeks	https://online.vtu.ac.in/course-details/equipment-design-r	1
10	Chemical Engir	Chemical Process Safety	Prof. Shishir Sinha	12 weeks	https://online.vtu.ac.in/course-details/chemical-process-sa	3
11	Chemical Engir	Basic Environmental Engineering And Pollution Abater	Prof. P. Mondal	12 weeks	https://online.vtu.ac.in/course-details/basic-environmental	3
12	Chemical Engir	Technologies For Clean And Renewable Energy Produ	Prof. P. Mondal	8 Weeks	https://online.vtu.ac.in/course-details/technologies-for-cle	2
13	Chemical Engir	Hydrogen Energy: Production, Storage, Transportator	Prof. Pratibha Sharma	12 Weeks	https://online.vtu.ac.in/course-details/hydrogen-energy-pr	3
General						
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Economics	Economics Of Banking And Finance Markets	Prof. Sukumar Vellakkal	12 Weeks	https://online.vtu.ac.in/course-details/economics-of-banki	3
2	Multidisciplinary	Introduction To Research New title: Research Methodology	Prof. Edamana Prasad Prof. Prathap Haridoss	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-to-Res	2
3	Multidisciplinary	Solar Energy Engineering And Technology	Prof. Pankaj Kalita	12 Weeks	https://online.vtu.ac.in/course-details/solar-energy-engine	3
4	Humanities and	Technical English For Engineers	Prof. Aysha Iqbal	8 Weeks	https://online.vtu.ac.in/course-details/technical-english-for	2
5	Humanities and	Body Language: Key To Professional Success	Prof. Rashmi Gaur	4 Weeks	https://online.vtu.ac.in/course-details/Body-Language-Key-	1
6	Humanities and	Patent Law For Engineers And Scientists	Prof. Feroz Ali	12 Weeks	https://online.vtu.ac.in/course-details/Patent-Law-For-Engi	3
7	Humanities and	German - I	Prof. Milind Brahme	12 Weeks	https://online.vtu.ac.in/course-details/German-I	3
8	Humanities and	The Science of Happiness and Wellbeing	Prof. Priyadarshi Patnai Prof. Manas K Mandal	8 Weeks	https://online.vtu.ac.in/course-details/The-Science-of-Happ	2
9	Mathematics	Calculus For Economics,Commerce And Managemen	Prof. I.K.Rana	8 Weeks	https://online.vtu.ac.in/course-details/Calculus-For-Econon	2
10	Mathematics	Advanced Engineering Mathematics	Prof. P.N. Agarwal	12 Weeks	https://online.vtu.ac.in/course-details/advanced-engineeri	3
11	Management	Entrepreneurship	Prof. C Bhaktavatsala R	12 Weeks	https://online.vtu.ac.in/course-details/Entrepreneurship	3
12	Management	E-Business	Prof. Mamata Jenamani	12 Weeks	https://online.vtu.ac.in/course-details/E-Business	3
13	Electrical and E	An Introduction To Coding Theory	Prof. Adrish Banerjee	8 Weeks	https://online.vtu.ac.in/course-details/an-introduction-to-c	2

14	Electrical and E	Smart Grid: Basics To Advanced Technologies	Prof. N.P. Padhy Prof. Premalata Jena	12 Weeks	https://online.vtu.ac.in/course-details/Smart-Grid-Basics-To	3
15	Computer Scier	Cloud Computing	Prof. Soumya Kanti Gh	12 Weeks	https://online.vtu.ac.in/course-details/Cloud-Computing	3
16	Computer Scier	Introduction To Machine Learning - IITKGP	Prof. Sudeshna Sarkar	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-M	2
17	Computer Scier	Programming In Java	Prof. Debasis Samanta	12 Weeks	https://online.vtu.ac.in/course-details/Programming-In-	3
18	Physics	Introduction To Astrophysical Fluids	Prof. Supratik Banerjee	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-A	3
19	Physics	Advanced Quantum Mechanics With Applications	Prof. Saurabh Basu	8 Weeks	https://online.vtu.ac.in/course-details/Advanced-Quant	2
20	Mechanical Eng	Applied Thermodynamics For Engineers	Prof.Dipankar N. Basu	12 Weeks	https://online.vtu.ac.in/course-details/Applied-Thermoc	3

Electronics and Communication Engineering

SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Computer Scier	Artificial Intelligence : Search methods for problem sol	Artificial intelligence : Se	12 Weeks	https://online.vtu.ac.in/course-details/Artificial-Intelligence	3
2	Design Enginee	Understanding Incubation and Enterprenurship Prof. E	Understanding Incubatio	12 Weeks	https://online.vtu.ac.in/course-details/Understanding-Incu	3
3	Multidisciplinary	Learning Anlystics Tools Prof. Rajkumar Rajendram	Learning Anlystics Tools	12 Weeks	https://online.vtu.ac.in/course-details/Learning-Analytics-T	3
4	Mathematics	Operations Research Prof. Kusumdeep	Operations Research Pi	8 Weeks	https://online.vtu.ac.in/course-details/Operations-Researc	2
5	Management	Intellactual Property Rigths and Competition Law Prof.	Intellactual Property Rig	8 Weeks	https://online.vtu.ac.in/course-details/Intellectual-Property	2
6	Computer Scier	Big Data Computing	Big Data Computing,	8 Weeks	https://online.vtu.ac.in/course-details/BIG-DATA-COMPUTI	2
7	Electrical and E	Modern Digital Communication Techniques	Modern Digital Commur	12 Weeks	https://online.vtu.ac.in/course-details/Modern-digital-com	3
8	Electrical and E	Advanced Linear Continuous Control Systems: Applic	Advanced Linear Contin	8 Weeks	https://online.vtu.ac.in/course-details/Advanced-Linear-Co	2

Automobile Engineering

SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Mechanical Eng	Computational Continuum Mechanics	Prof. Sachin Singh Gau	12 Weeks	https://online.vtu.ac.in/course-details/computational-conti	3
2	Mechanical Eng	Mechanism And Robot Kinematics	Prof. Anirvan Dasgupta	8 Weeks	https://online.vtu.ac.in/course-details/Mechanism-And-Rol	2
3	Mechanical Eng	Heat Exchangers: Fundamentals And Design Analysis	Prof. Prasanta Kr Das &	12 Weeks	https://online.vtu.ac.in/course-details/heat-exchangers-fun	3
4	Mechanical Eng	Power Plant Engineering	Prof. Ravi Kumar	8 Weeks	https://online.vtu.ac.in/course-details/Power-Plant-Engin	2
5	Mechanical Eng	Fluid Dynamics And Turbomachines	Prof. Dhiman Chatterjee Prof. Shamit Bakshi	8 Weeks	https://online.vtu.ac.in/course-details/Fluid-Dynamics-And	2
6	Mechanical Eng	Rapid Manufacturing	Prof. J. Ramkumar Prof. Amandeep Singh	12 Weeks	https://online.vtu.ac.in/course-details/rapid-manufacturing	3
7	Mechanical Eng	Conduction And Convection: Fundamentals And Applic	Prof. Gautam Biswas / F	12 Weeks	https://online.vtu.ac.in/course-details/Conduction-And-Co	3
8	Management	Toyota Production System	Prof. Rajat Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/Toyota-Production-S	2
9	Management	Manufacturing Strategy	Prof. Rajat Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/manufacturing-strat	2
10	Management	Product And Brand Management	Prof. Vinay Sharma	12 weeks	https://online.vtu.ac.in/course-details/product-and-brand-i	3
11	Management	Econometric Modelling	Prof. Sujata Kar	8 Weeks	https://online.vtu.ac.in/course-details/econometric-modell	2
12	Management	Services Marketing : Integrating People, Technology, S	Prof. Zillur Rahman	8 Weeks	https://online.vtu.ac.in/course-details/services-marketing-i	2
13	Management	Innovation, Business Models And Entrepreneurship	Prof. Rajat Agrawal Prof. Vinay Sharma	8 Weeks	https://online.vtu.ac.in/course-details/innovation-business	2
14	Management	Operations And Supply Chain Management	Prof. G. Srinivasan	12 Weeks	https://online.vtu.ac.in/course-details/operations-and-sup	3

15	Management	Design Thinking - A Primer	Prof. Ashwin Mahalingam Prof. Bala Ramadurai	4 Weeks	https://online.vtu.ac.in/course-details/Design-Thinking-A-P	1
Civil Engineering						
Sl.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Civil Engineerin	Finite Element Method And Computational Structural I	Prof. Manish Shrikhande	12 Weeks	https://online.vtu.ac.in/course-details/Finite-Element-Metf	3
2	Civil Engineerin	Mechanics Of Materials	Prof. Saravanan.U	12 Weeks	https://online.vtu.ac.in/course-details/Mechanics-Of-Mate	3
3	Civil Engineerin	Project Planning & Control	Prof. Koshy Varghese	8 Weeks	https://online.vtu.ac.in/course-details/project-planning-cor	2
4	Civil Engineerin	Principles Of Construction Management	Prof. Sudhir Misra	8 Weeks	https://online.vtu.ac.in/course-details/principles-of-constru	2
5	Civil Engineerin	Municipal Solid Waste Management	Prof. Ajay Kalamdhad	12 Weeks	https://online.vtu.ac.in/course-details/municipal-solid-was	3
6	Civil Engineerin	Introduction to Multimodal Urban Transportation Syste	Prof. Arkopal Kishore G	12 Weeks	https://online.vtu.ac.in/course-details/introduction-to-mul	3
7	Civil Engineerin	Bridge Engineering	Prof. Piyali Sengupta	12 Weeks	https://online.vtu.ac.in/course-details/bridge-engineering	3
8	Civil Engineerin	Wastewater Treatment And Recycling	Prof. Manoj Kumar Tiwa	12 Weeks	https://online.vtu.ac.in/course-details/wastewater-treatme	3
9	Civil Engineerin	Matrix Method Of Structural Analysis	Prof. Amit Shaw Prof Biswanath Banerje	8 Weeks	https://online.vtu.ac.in/course-details/matrix-method-of-st	2
10	Civil Engineerin	Integrated Waste Management For A Smart City	Prof. Brajesh Kumar Du	12 Weeks	https://online.vtu.ac.in/course-details/integrated-waste-ma	3
11	Civil Engineerin	Sustainable Engineering Concepts And Life Cycle Ana	Prof. Brajesh Kumar Du	8 Weeks	https://online.vtu.ac.in/course-details/Sustainable-Enginee	2
12	Civil Engineerin	Sustainable Transportation Systems	Prof. Bholu Ram Gurjar	12 Weeks	https://online.vtu.ac.in/course-details/sustainable-transpo	3