g courses	3					
			Textile Engineering			
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1		Principles Of Combing, Roving Preparation & Ring Spi		12 Weeks	https://online.vtu.ac.in/course-details/principles-of-combir	3
2	-	Yarn Manufacture I : Principle Of Opening, Carding An	. , ,	12 Weeks	https://online.vtu.ac.in/course-details/yarn-manufacture	3
3	Textile Enginee	Technical Textiles	Prof. Apurba Das	12 Weeks	https://online.vtu.ac.in/course-details/Technical-Textile	3
4	Textile Enginee	Science Of Clothing Comfort	Prof. Apurba Das	12 Weeks	https://online.vtu.ac.in/course-details/science-of-clothir	3
5	Textile Enginee	Textile Finishing	Prof. Kushal Sen	12 Weeks	https://online.vtu.ac.in/course-details/textile-finishing	3
6	Textile Enginee	Science And Technology Of Weft And Warp Knitting	Prof. Bipin Kumar	12 Weeks	https://online.vtu.ac.in/course-details/science-and-tech	3
		Biotechnolog	gy and Bioengineering			
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Biotechnology a	Genetic Engineering: Theory And Application	Prof. Vishal Trivedi, IITC	12 Weeks	https://online.vtu.ac.in/course-details/Genetic-Enginee	3
2	Biotechnology a	Cellular Biophysics: A Framework For Quantitative Bio	Prof. Chaitanya A.Athale	8 Weeks	https://online.vtu.ac.in/course-details/Cellular-Biophysi	2
3			Prof. Ganapathy Krishn	12 Weeks	https://online.vtu.ac.in/course-details/Medical-Image-A	3
4			Prof. Mukesh Doble, IIT	8 Weeks	https://online.vtu.ac.in/course-details/Computer-Aided-	2
5	0,		Prof. Smita Srivastava.	8 Weeks	https://online.vtu.ac.in/course-details/Plant-Cell-Biopro	2
6	Biotechnology a		Prof. G.K. Suraishkuma	4 Weeks	https://online.vtu.ac.in/course-details/Bioreactors	1
7			Prof. Arun K. Thittai, IITI	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-E	3
8	Biotechnology a		Prof. Falguni Pati, IIT H	8 Weeks	https://online.vtu.ac.in/course-details/Organ-Printing	2
9	0,		Prof. Utpal Bora, IITG	12 Weeks	https://online.vtu.ac.in/course-details/Genome-Editing-	3
10			Prof. S.Ganesh, IITK	4 Weeks	https://online.vtu.ac.in/course-details/Functional-Geno	1
11			Prof. Ankur Awadhiya, II	12 Weeks	https://online.vtu.ac.in/course-details/Conservation-Ge	3
12		0 , 3	Prof. Vishal Trivedi, IITC		https://online.vtu.ac.in/course-details/Experimental-Bio	3
13			Prof. Shamik Sen, IITB	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-N	2
14		0.7	Prof. Debabrata Das, II7		https://online.vtu.ac.in/course-details/Industrial-Biotech	3
17	Diotectificiogy 8	madstrai biotechnology	Tiol. Debabiata Das, III	12 VVCCR3	mttps://orimite.vtd.ac.in/cod/sc-details/mddstrial-biotes/	<u> </u>
			Electronics Engineering			
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Electrical and E	Design of Photovoltaic Systems	Design of Photovoltaic §	12 weeks	https://online.vtu.ac.in/course-details/design-of-photovolt	3
_			Smart Grid: Basics To A			
2		Smart Grid: Basics To Advanced Technologies	Prof. Premalata Jena	12 weeks	https://online.vtu.ac.in/course-details/Smart-Grid-Basic	3
3		Advances In Uhv Transmission And Distribution	Advances In Uhv Transı	8 Weeks	https://online.vtu.ac.in/course-details/advances-in-uhv	2
4		Enclosure Design Of Electronics Equipment	Enclosure Design Of Ele		https://online.vtu.ac.in/course-details/enclosure-design	3
5			Microelectronics: Device		https://online.vtu.ac.in/course-details/Microelectronics-	3
6		Advanced Linear Continuous Control Systems: Applica		8 Weeks	https://online.vtu.ac.in/course-details/Advanced-Linear	2
7	Electrical and E	Dc Microgrid And Control Systems	Dc Microgrid And Contro	8 Weeks	https://online.vtu.ac.in/course-details/dc-microgrid-and	2
8	Electrical and E	Electrical Distribution System Analysis	Electrical Distribution Sy	8 Weeks	https://online.vtu.ac.in/course-details/electrical-distribu	2
9	Electrical and E	Digital Control in Switched Mode Power Converters ar	Digital Control in Switch	12 Weeks	https://online.vtu.ac.in/course-details/digital-control-in-	3
10	Electrical and E	VLSI Interconnects	VLSI Interconnects, Pro	8 Weeks	https://online.vtu.ac.in/course-details/vlsi-interconnects	2
11	Electrical and E	System Design Through Verilog	System Design Through	8 Weeks	https://online.vtu.ac.in/course-details/system-design-th	2
12	Electrical and E	Applied Electromagnetics For Engineers	Applied Electromagnetic	12 Weeks	https://online.vtu.ac.in/course-details/Applied-Electrom	3

		Computer Sc	ience and Engineering			
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Computer Scie	Artificial Intelligence : Search Methods For Problem So	Prof. Deepak Khemani	12 Weeks	https://online.vtu.ac.in/course-details/Artificial-Intellige	3
2	Computer Scie	Introduction To Haskell Programming	Prof. S. P Suresh	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-H	2
3	Computer Scie	C Programming And Assembly Language	Prof. Janakiraman Virar	4 Weeks	https://online.vtu.ac.in/course-details/C-Programming-	1
4	Computer Scie	Software Testing (IITKGP)	Prof. Rajib Mall	4 Weeks	https://online.vtu.ac.in/course-details/Software-Testing	1
5	Computer Scie	Introduction To Industry 4.0 And Industrial Internet Of	Prof. Sudip Misra	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Ir	3
6	Computer Scie	n Natural Language Processing	Prof. Pawan Goyal	12 Weeks	https://online.vtu.ac.in/course-details/Natural-Languag	3
7	Computer Scie	The Joy Of Computing Using Python	Prof. Sudarshan Iyenga	12 Weeks	https://online.vtu.ac.in/course-details/The-Joy-of-Comp	3
8	Computer Scie	n Modern Algebra	Prof. Manindra Agrawal	8 Weeks	https://online.vtu.ac.in/course-details/Modern-Algebra	2
9	Computer Scie	r Data Base Management System	Prof. Partha Pratim Das	8 Weeks	https://online.vtu.ac.in/course-details/Data-Base-Mana	2
10	Computer Scie	r Python For Data Science	Prof. Ragunathan Reng	4 Weeks	https://online.vtu.ac.in/course-details/Python-for-Data-	1
11	Computer Scie	r Introduction To Machine Learning	Prof. Balaraman Ravind	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-to-M	3
12	Computer Scie	Data Science For Engineers	Prof. Ragunathan Reng Prof. Shankar Narasiml	8 Weeks	https://online.vtu.ac.in/course-details/Data-Science-for	2
13	Computer Scie	r Programming, Data Structures And Algorithms Using F	Prof. Madhavan Mukuno	8 Weeks	https://online.vtu.ac.in/course-details/Programming-Da	2
14	Computer Scie	r Google Cloud Computing Foundations	Prof. Soumya Kanti Gho	8 Weeks	https://online.vtu.ac.in/course-details/Google-Cloud-Co	2
15	Computer Scie	r Cloud Computing	Prof. Soumya Kanti Gho	12 Weeks	https://online.vtu.ac.in/course-details/Cloud-Computing	3
16	Computer Scie	r Programming In Java	Prof. Debasis Samanta	12 Weeks	https://online.vtu.ac.in/course-details/Programming-In-	3
17	Computer Scie	Getting Started With Competitive Programming	Prof. Neeldhara Misra	12 Weeks	https://online.vtu.ac.in/course-details/Getting-Started-v	3
		Aerosp	pace Engineering			
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credit
1	Aerospace Eng	g Aircraft Stability And Control	Prof. A.K.Ghosh	12 Weeks	https://online.vtu.ac.in/course-details/Aircraft-Stability-	3
0			Prof. A K Ghosh		hatter than the state of the same of the state of the sta	2
2	Aerospace Eng	Introduction To Airplane Performance	Prof Deepu Philip	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-A	
3	· · · · · ·	Introduction To Airplane Performance Introduction To Airbreathing Propulsion	Prof Deepu Philip Prof. Ashoke De	8 Weeks 12 Weeks	https://online.vtu.ac.in/course-details/introduction-To-Ahttps://online.vtu.ac.in/course-details/introduction-To-Airb	3
	Aerospace eng					
3	Aerospace eng	Introduction To Airbreathing Propulsion	Prof. Ashoke De	12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airb	3
3	Aerospace Eng Aerospace Eng	Introduction To Airbreathing Propulsion Design Of Fixed Wing Unmanned Aerial Vehicles	Prof. Ashoke De Prof. Subrahmanyam S	12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airb https://online.vtu.ac.in/course-details/Design-Of-Fixed-	3 2
3 4 5	Aerospace Eng Aerospace Eng Aerospace Eng Aerospace eng	Introduction To Airbreathing Propulsion Design Of Fixed Wing Unmanned Aerial Vehicles Introduction To Aerospace Engineering-Flight	Prof. Ashoke De Prof. Subrahmanyam Sa Prof. Rajkumar Pant	12 Weeks 8 Weeks 12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airb https://online.vtu.ac.in/course-details/Design-Of-Fixed- https://online.vtu.ac.in/course-details/Introduction-To-Aero	3 2 3
3 4 5 6	Aerospace eng Aerospace Eng Aerospace eng Aerospace eng Aerospace Eng	Introduction To Airbreathing Propulsion Design Of Fixed Wing Unmanned Aerial Vehicles Introduction To Aerospace Engineering-Flight Introduction To Aircraft Design Space Flight Mechanics	Prof. Ashoke De Prof. Subrahmanyam Sa Prof. Rajkumar Pant Prof. Rajkumar Pant	12 Weeks 8 Weeks 12 Weeks 12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airb https://online.vtu.ac.in/course-details/Design-Of-Fixed- https://online.vtu.ac.in/course-details/Introduction-To-Aero https://online.vtu.ac.in/course-details/Introduction-To-Airc	3 2 3 3
3 4 5 6 7	Aerospace eng Aerospace Eng Aerospace eng Aerospace eng Aerospace Eng Aerospace Eng	Introduction To Airbreathing Propulsion Design Of Fixed Wing Unmanned Aerial Vehicles Introduction To Aerospace Engineering-Flight Introduction To Aircraft Design Space Flight Mechanics	Prof. Ashoke De Prof. Subrahmanyam Sa Prof. Rajkumar Pant Prof. Rajkumar Pant Prof. Manoranjan Sinha Prof. Mira Mitra	12 Weeks 8 Weeks 12 Weeks 12 Weeks 12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airb https://online.vtu.ac.in/course-details/Design-Of-Fixed- https://online.vtu.ac.in/course-details/Introduction-To-Aerc https://online.vtu.ac.in/course-details/Introduction-To-Airc https://online.vtu.ac.in/course-details/Space-Flight-Me	3 2 3 3 3
3 4 5 6 7 8	Aerospace eng Aerospace Eng Aerospace eng Aerospace eng Aerospace Eng Aerospace Eng	Introduction To Airbreathing Propulsion Design Of Fixed Wing Unmanned Aerial Vehicles Introduction To Aerospace Engineering-Flight Introduction To Aircraft Design Space Flight Mechanics Vibration And Structural Dynamics Aerodynamic Design Of Axial Flow Compressors & Fa	Prof. Ashoke De Prof. Subrahmanyam Sa Prof. Rajkumar Pant Prof. Rajkumar Pant Prof. Manoranjan Sinha Prof. Mira Mitra Prof. Chetankumar Sure	12 Weeks 8 Weeks 12 Weeks 12 Weeks 12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airb https://online.vtu.ac.in/course-details/Design-Of-Fixed-https://online.vtu.ac.in/course-details/Introduction-To-Aerc https://online.vtu.ac.in/course-details/Introduction-To-Airc https://online.vtu.ac.in/course-details/Space-Flight-Mehttps://online.vtu.ac.in/course-details/Vibration-And-St	3 2 3 3 3 2
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3 4 5 6 7 8 9	Aerospace eng Aerospace Eng Aerospace eng Aerospace eng Aerospace Eng Aerospace Eng Aerospace Eng	Introduction To Airbreathing Propulsion Design Of Fixed Wing Unmanned Aerial Vehicles Introduction To Aerospace Engineering-Flight Introduction To Aircraft Design Space Flight Mechanics Vibration And Structural Dynamics Aerodynamic Design Of Axial Flow Compressors & Fa	Prof. Ashoke De Prof. Subrahmanyam Sa Prof. Rajkumar Pant Prof. Rajkumar Pant Prof. Manoranjan Sinha Prof. Mira Mitra Prof. Chetankumar Sure anagement SME Name	12 Weeks 8 Weeks 12 Weeks 12 Weeks 12 Weeks 8 Weeks 12 Weeks	https://online.vtu.ac.in/course-details/Introduction-To-Airb https://online.vtu.ac.in/course-details/Design-Of-Fixed- https://online.vtu.ac.in/course-details/Introduction-To-Aero https://online.vtu.ac.in/course-details/Introduction-To-Airc https://online.vtu.ac.in/course-details/Space-Flight-Me- https://online.vtu.ac.in/course-details/Vibration-And-St https://online.vtu.ac.in/course-details/Aerodynamic-De	3 2 3 3 3 2 3
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Management Marketing Management Marketing Management Prof. Light	6	Management	Design Thinking - A Primer		4 Weeks	https://online.vtu.ac.in/course-details/Design-Thinking-	1
## Management Marketing Management - I Prof. Jasyanta Chatelejee Prof. Shashi Shekhari ## 8 Weeks https://conine.vtu.ac.in/course-details/marketing-manage 2 management Shashis Shekhari Shashis Shashis Shashis Shekhari Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis Shashis	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 of Marketing Management of Prof. S. Mailikanjuna R 8 Weeks by Management of Management		3 - 3	3, 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
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11 Management Corporate Finance Prof. Abhiged Chandra 8 Weeks 13 Management Ecroporate Finance 2 Prof. Sarjib Chowdhruy 12 Weeks 13 Management Ecromometric Modelling Prof. Sujata Kar 8 Weeks 14 Management Ecromometric Modelling Prof. Sujata Kar 8 Weeks 14 Management Ecromometric Modelling Prof. Sujata Kar 8 Weeks 14 Management Ecromometric Modelling Prof. Sujata Kar 8 Weeks 14 Management Ecromometric Modelling Prof. Sujata Kar 8 Weeks 14 Management Ecromometric Modelling Prof. Sujata Kar 9 Weeks 14 Management Ecromometric Modelling Prof. Sujata Kar 9 Weeks 14 Mechanical Engineering Mechanical Engineering Silve Mechanical Engineering Prof. Management Silve Mechanical Engineering Prof. Sujata Kar 12 Weeks 14 Mechanical Engineering Prof. Sujata Kar 12 Weeks 14 Mechanical Engineering Prof. Sujata Kar 12 Weeks 15 Mechanical Engineering Prof. Sujata Kar 12 Weeks 15 Mechanical Engineering Prof. Sujata Kar 12 Weeks 16 Mechanical Engineering Prof.	9	Management	Game Theory	Prof.K.S. Mallikarjuna R	8 Weeks	https://online.vtu.ac.in/course-details/game-theory	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. Sharisswar Maili 12 Weeks https://online.vtu.ac.in/course-details/strategic-manage 3 14 Management Industrial Safety Engineering Prof. Jhareswar Maili 12 Weeks https://online.vtu.ac.in/course-details/industrial-safety- 3 14 Mechanical Engineering Prof. Jhareswar Maili 12 Weeks https://online.vtu.ac.in/course-details/industrial-safety- 3 14 Mechanical Engineering Prof. Amaresh Dalal 12 Weeks https://online.vtu.ac.in/course-details/industrial-safety- 3 14 Mechanical Engineering Prof. Sh. Joshi 8 Weeks https://online.vtu.ac.in/course-details/industrial-safety- 3 14 Weeks https://online.vtu.ac.in/course-details/industrial-safety- 14	10	Management	E-Business	Prof. Mamata Jenamani	12 Weeks	https://online.vtu.ac.in/course-details/E-Business	3
Management Econometric Modelling Prof. Sujata Kar 8 Weeks https://online.vtu.ac.in/course-details/econometric-mox 2	11	Management	Corporate Finance	Prof. Abhijeet Chandra	8 Weeks	https://online.vtu.ac.in/course-details/corporate-finance	2
Management Industrial Safety Engineering	12	Management	Strategic Management For Competitive Advantage	Prof. Sanjib Chowdhury	12 Weeks	https://online.vtu.ac.in/course-details/strategic-manage	3
SLNO. Discipline Course Name SME Name Duration Mechanical Enç Fundamentals Of Convective Heat Transfer Prof. Amaresh Dalal Mechanical Enç Fundamentals Of Convective Heat Transfer Prof. Amaresh Dalal Mechanical Enç Fundamentals Of Convective Heat Transfer Prof. Amaresh Dalal Mechanical Enç Laser Based Manufacturing Prof. S. N. Joshi Mechanical Enç Laser Based Manufacturing Prof. S. N. Joshi Mechanical Enç Mathematical Modeling Of Manufacturing Processes Prof. Swarup Bag Mechanical Enç Methematical Modeling Of Manufacturing Processes Prof. Swarup Bag Mechanical Enç Welding Application Technology Prof. Pankaj Biswas Mechanical Enç Welding Application Technology Prof. Dic Prathiar Mechanical Enç Moduto Design And Development Prof. Inderdeep Singh Mechanical Enç Principles Of Metal Forming Technology Prof. P. K. Jha Mechanical Enç Principles Of Metal Forming Technology Prof. P. K. Jha Mechanical Enç Selection Of Nanomaterials For Energy Harvesting An Prof. Kaushik Pal Mechanical Enç Sitructural Analysis Of Nanomaterials Prof. Amil Kumar Mechanical Enç Introduction To Mechanical Vibration Prof. Anil Kumar Mechanical Enç Introduction To Mechanical Vibration Prof. Asokan T Weeks Mechanical Enç Design Of Mechatronic Systems Prof. Asokan T Mechanical Enç Design Of Mechatronic Systems Prof. Sakoshan T Mechanical Enç Design Of Mechatronic Systems Prof. Shankar Selvaraj Mechanical Enç Design Of Mechatronic Systems Prof. Shankar Selvaraj Mechanical Enç Design Of Mechatronic Systems Prof. Shankar Selvaraj Mechanical Enç Design Of Mechatronic Systems Prof. Shankar Selvaraj Mechanical Enç Design Of Mechatronic Systems Prof. Shankar Selvaraj Mechanical Enç Design Of Mechatronic Systems Prof. Shankar Selvaraj Mechanical Enç Design Started With Competitive Programming Prof. Samti Bhattachary Prof. Samti Bhattachary Mechanical Enç Design Started With Competitive Programming Prof. Samti Bhattachary Mechanical Enç Design Started With Competitive Prof. Samti Bhattachary Mechanical Enç De	13	Management	Econometric Modelling	Prof. Sujata Kar	8 Weeks	https://online.vtu.ac.in/course-details/econometric-mod	2
SI.No. Discipline Course Name SME Name Duration 1 Mechanical Enç Hurdamentals Of Convective Heat Transfer Prof. Amaresh Dalal 2 Mechanical Enç Aircraft Propulsion Prof. Almayak N. Kullari 3 Mechanical Enç Laser Based Manufacturing Processes Prof. S. N. Joshi 4 Mechanical Enç Laser Based Manufacturing Processes Prof. Sharka Based Manufacturing Prof. S. N. Joshi 5 Mechanical Enç Mathematical Modeling Of Manufacturing Processes Prof. Sharka Based Manufacturing Prof. Sharka Based Manufactu	14	Management	Industrial Safety Engineering	Prof. Jhareswar Maiti	12 Weeks	https://online.vtu.ac.in/course-details/industrial-safety-	3
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Computer Scier Programming In Modern C++ Prof. Partha Pratim Das 12 Weeks https://online.vtu.ac.in/course-details/programming-in- Townstance Data Structure And Algorithms Using Java Prof. Debasis Samanta Prof. Debasis Samanta 12 Weeks https://online.vtu.ac.in/course-details/locurse-details/locurse-details/locurse-details/Introduction-To-A Prof. Partha Pratim Das 12 Weeks https://online.vtu.ac.in/course-details/locurse-details/Introduction-To-A Prof. Sourav Mukhopad 12 Weeks https://online.vtu.ac.in/course-details/Introduction-To-A 3	4	Computer Scient	e Design & Implementation Of Human-Computer Interfa	Prof. Samit Bhattachary	12 Weeks	https://online.vtu.ac.in/course-details/Design-Implementat	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	5	Computer Scient	ei Ethical Hacking	Prof. Indranil Sengupta	12 Weeks	https://online.vtu.ac.in/course-details/Ethical-Hacking	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	6	Computer Scient	Programming In Modern C++	Prof. Partha Pratim Das	12 Weeks	https://online.vtu.ac.in/course-details/programming-in-	3
8 Computer Sciel Introduction To Algorithms And Analysis Prof. Sourav Mukhopad 12 Weeks https://online.vtu.ac.in/course-details/Introduction-To-A 3	7	-		Prof. Debasis Samanta	12 Weeks		3
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10	Computer Scient	er Artificial Intelligence : Search Methods For Problem S	Prof. Deepak Khemani	12 Weeks	https://online.vtu.ac.in/course-details/Artificial-Intellige	3
11	Computer Scient	er 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. Mrityunjoy 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		ir Colloids And Surfaces	Prof. Basavaraj Madival	8 Weeks	https://online.vtu.ac.in/course-details/Colloids-And-Surface	2
2		ir Chemical Process Intensification	Prof. Subrata Kumar Ma	12 Weeks	https://online.vtu.ac.in/course-details/Chemical-Process-In	3
3	Chemical Eng	ir Transport Phenomena Of Non-Newtonian Fluids	Prof. Nanda Kishore	12 Weeks	https://online.vtu.ac.in/course-details/Transport-Phenome	3
4	Chemical Eng	ir Natural Gas Engineering	Prof. Pankaj Tiwari	8 Weeks	https://online.vtu.ac.in/course-details/Natural-Gas-Enginee	2
5	Chemical Eng	ir Aspen Plus® Simulation Software - A Basic Course Fo	Prof. Prabirkumar Saha	12 Weeks	https://online.vtu.ac.in/course-details/Aspen-Plus%C2%AE-	3
6	Chemical Eng	ir Chemical Process Control	Prof. Sujit Jogwar	8 Weeks	https://online.vtu.ac.in/course-details/chemical-process-co	2
7	Chemical Eng	ir Trace And Ultra-Trace Analysis Of Metals Using Atom	Prof. J R Mudakavi	8 Weeks	https://online.vtu.ac.in/course-details/trace-and-ultra-trace	2
8	Chemical Eng	ir Mechanical Operations	Prof. Shabina Khanam	4 Weeks	https://online.vtu.ac.in/course-details/mechanical-operation	1
9	Chemical Eng	ir Equipment Design: Mechanical Aspects	Prof. Shabina Khanam	4 Weeks	https://online.vtu.ac.in/course-details/equipment-design-n	1
10	Chemical Eng	ir Chemical Process Safety	Prof. Shishir Sinha	12 weeks	https://online.vtu.ac.in/course-details/chemical-process-sa	3
11	Chemical Eng	ir Basic Environmental Engineering And Pollution Abate	Prof. P. Mondal	12 weeks	https://online.vtu.ac.in/course-details/basic-environmental	3
12	Chemical Eng	ir Technologies For Clean And Renewable Energy Prod	Prof. P. Mondal	8 Weeks	https://online.vtu.ac.in/course-details/technologies-for-cle	2
13	Chemical Eng	r Hydrogen Energy: Production, Storage, Transportation	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-bankir	3
2	Multidisciplina	Introduction To Research New title: Research Methodology	Prof. Edamana Prasad Prof. Prathap Haridoss	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-to-Rese	2
3		Solar Energy Engineering And Technology	Prof. Pankaj Kalita	12 Weeks	https://online.vtu.ac.in/course-details/solar-energy-engine	3
4	-	d Technical English For Engineers	Prof. Aysha Iqbal	8 Weeks	https://online.vtu.ac.in/course-details/technical-english-for	2
5		d Body Language: Key To Professional Success	Prof. Rashmi Gaur	4 Weeks	https://online.vtu.ac.in/course-details/Body-Language-Key-	1
6		d 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 an		Prof. Milind Brahme	12 Weeks	https://online.vtu.ac.in/course-details/German-I	3
		d 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-Hapg	2
8	Humanities an			0.14/2-21/2	https://online.vtu.ac.in/course-details/Calculus-For-Econon	2
8	Humanities an Mathematics	Calculus For Economics, Commerce And Managemen	Prof. I.K.Rana	8 Weeks		
					https://online.vtu.ac.in/course-details/advanced-engineeri	3
9	Mathematics Mathematics	Advanced Engineering Mathematics	Prof. I.K.Rana Prof. P.N. Agarwal Prof. C Bhaktavatsala R	12 Weeks 12 Weeks		
9 10	Mathematics	Advanced Engineering Mathematics Entrepreneurship	Prof. P.N. Agarwal	12 Weeks	https://online.vtu.ac.in/course-details/advanced-engineeri	3

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 Scie	er Cloud Computing	Prof. Soumya Kanti Gho	12 Weeks	https://online.vtu.ac.in/course-details/Cloud-Computing	3
16	Computer Scie	Introduction To Machine Learning - IITKGP	Prof. Sudeshna Sarkar	8 Weeks	https://online.vtu.ac.in/course-details/Introduction-to-M	2
17	Computer Scie	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 En	(Applied Thermodynamics For Engineers	Prof.Dipankar N. Basu	12 Weeks	https://online.vtu.ac.in/course-details/Applied-Thermoc	3
		Electronics and C	Communication Enginee	ring		
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Computer Scient	er Artificial Intelligence : Search methods for problem so	Artificial intelligence : Se	12 Weeks	https://online.vtu.ac.in/course-details/Artificial-Intelligence	3
2	Design Engine	Understanding Incubation and Enterprenurship Prof.	Understanding Incubation	12 Weeks	https://online.vtu.ac.in/course-details/Understanding-Incul	3
3	Multidisplinary	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 P	8 Weeks	https://online.vtu.ac.in/course-details/Operations-Research	2
5	Management	Intellactual Property Rigths and Competition Law Prof	f Intellactual Property Rig	8 Weeks	https://online.vtu.ac.in/course-details/Intellectual-Property	2
6	Computer Scie	el Big Data Computing	Big Data Computing,	8 Weeks	https://online.vtu.ac.in/course-details/BIG-DATA-COMPUTI	2
7	Electrical and	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
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	Discipline	Course Name	SME Name	Duration	Course Link	
1	Mechanical En	Course Name Computational Continuum Mechanics	SME Name Prof. Sachin Singh Gau	12 Weeks	https://online.vtu.ac.in/course-details/computational-conti	3
1 2	Mechanical Er	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta	12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol	3
2	Mechanical Er Mechanical Er Mechanical Er	Course Name © Computational Continuum Mechanics © Mechanism And Robot Kinematics © Heat Exchangers: Fundamentals And Design Analysis	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta Prof. Prasanta Kr Das &	12 Weeks 8 Weeks 12 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur	3 2 3
1 2	Mechanical Er Mechanical Er Mechanical Er	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta s Prof. Prasanta Kr Das & Prof. Ravi Kumar	12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol	3 2
1 2 3	Mechanical Er Mechanical Er Mechanical Er Mechanical Er	Course Name © Computational Continuum Mechanics © Mechanism And Robot Kinematics © Heat Exchangers: Fundamentals And Design Analysis	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee Prof. Shamit Bakshi	12 Weeks 8 Weeks 12 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur	3 2 3
1 2 3 4	Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics Heat Exchangers: Fundamentals And Design Analysis Power Plant Engineering	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee	12 Weeks 8 Weeks 12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur https://online.vtu.ac.in/course-details/Power-Plant-Engine	3 2 3 2
1 2 3 4 5	Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics Heat Exchangers: Fundamentals And Design Analysis Power Plant Engineering Fluid Dynamics And Turbomachines	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee Prof. Shamit Bakshi Prof. J. Ramkumar Prof. Amandeep Singh	12 Weeks 8 Weeks 12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur https://online.vtu.ac.in/course-details/Power-Plant-Engines https://online.vtu.ac.in/course-details/Fluid-Dynamics-And	3 2 3 2
1 2 3 4 5	Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics Heat Exchangers: Fundamentals And Design Analysis Power Plant Engineering Fluid Dynamics And Turbomachines Rapid Manufacturing	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee Prof. Shamit Bakshi Prof. J. Ramkumar Prof. Amandeep Singh	12 Weeks 8 Weeks 12 Weeks 8 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur https://online.vtu.ac.in/course-details/Power-Plant-Enginee https://online.vtu.ac.in/course-details/Fluid-Dynamics-And https://online.vtu.ac.in/course-details/rapid-manufacturing	3 2 3 2 2 2
1 2 3 4 5 6 7	Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics Heat Exchangers: Fundamentals And Design Analysis Power Plant Engineering Fluid Dynamics And Turbomachines Rapid Manufacturing Conduction And Convection: Fundamentals And Appli	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee Prof. Shamit Bakshi Prof. J. Ramkumar Prof. Amandeep Singh ic Prof. Gautam Biswas / F	12 Weeks 8 Weeks 12 Weeks 8 Weeks 8 Weeks 12 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur https://online.vtu.ac.in/course-details/Power-Plant-Enginee https://online.vtu.ac.in/course-details/Fluid-Dynamics-And https://online.vtu.ac.in/course-details/rapid-manufacturing https://online.vtu.ac.in/course-details/Conduction-And-Course-details	3 2 3 2 2 2 3 3
1 2 3 4 5 6 7 8	Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Management	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics Heat Exchangers: Fundamentals And Design Analysis Power Plant Engineering Fluid Dynamics And Turbomachines Rapid Manufacturing Conduction And Convection: Fundamentals And Appli	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee Prof. Shamit Bakshi Prof. J. Ramkumar Prof. Amandeep Singh Prof. Gautam Biswas / F	12 Weeks 8 Weeks 12 Weeks 8 Weeks 12 Weeks 12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur https://online.vtu.ac.in/course-details/Power-Plant-Enginee https://online.vtu.ac.in/course-details/Fluid-Dynamics-And https://online.vtu.ac.in/course-details/rapid-manufacturing https://online.vtu.ac.in/course-details/Conduction-And-Col https://online.vtu.ac.in/course-details/Toyota-Production-S	3 2 3 2 2 2 3 3 2
1 2 3 4 5 6 7 8 9	Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Management Management	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics Heat Exchangers: Fundamentals And Design Analysis Power Plant Engineering Fluid Dynamics And Turbomachines Rapid Manufacturing Conduction And Convection: Fundamentals And Appli Toyota Production System Manufacturing Strategy	SME Name Prof. Sachin Singh Gau Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee Prof. Shamit Bakshi Prof. J. Ramkumar Prof. Amandeep Singh ic Prof. Gautam Biswas / F Prof. Rajat Agrawal	12 Weeks 8 Weeks 12 Weeks 8 Weeks 8 Weeks 12 Weeks 12 Weeks 12 Weeks 8 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur https://online.vtu.ac.in/course-details/Power-Plant-Engines https://online.vtu.ac.in/course-details/Fluid-Dynamics-And https://online.vtu.ac.in/course-details/rapid-manufacturing https://online.vtu.ac.in/course-details/Conduction-And-Col https://online.vtu.ac.in/course-details/Toyota-Production-S https://online.vtu.ac.in/course-details/manufacturing-strat	3 2 3 2 2 2 3 3 2 2
1 2 3 4 5 6 7 8 9	Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Management Management Management	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics Heat Exchangers: Fundamentals And Design Analysis Power Plant Engineering Fluid Dynamics And Turbomachines Rapid Manufacturing Conduction And Convection: Fundamentals And Applitation Toyota Production System Manufacturing Strategy Product And Brand Management	SME Name Prof. Sachin Singh Gaur Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee Prof. Shamit Bakshi Prof. J. Ramkumar Prof. Amandeep Singh Prof. Gautam Biswas / F Prof. Rajat Agrawal Prof. Rajat Agrawal Prof. Vinay Sharma Prof. Sujata Kar	12 Weeks 8 Weeks 12 Weeks 8 Weeks 12 Weeks 12 Weeks 12 Weeks 8 Weeks 12 Weeks 12 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur https://online.vtu.ac.in/course-details/Power-Plant-Enginee https://online.vtu.ac.in/course-details/Fluid-Dynamics-And https://online.vtu.ac.in/course-details/rapid-manufacturing https://online.vtu.ac.in/course-details/Conduction-And-Col https://online.vtu.ac.in/course-details/Toyota-Production-S https://online.vtu.ac.in/course-details/manufacturing-strat https://online.vtu.ac.in/course-details/product-and-brand-in/course-de	3 2 3 2 2 3 3 2 2 2 2 3
1 2 3 4 5 6 7 8 9 10	Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Mechanical Er Management Management Management	Course Name Computational Continuum Mechanics Mechanism And Robot Kinematics Heat Exchangers: Fundamentals And Design Analysis Power Plant Engineering Fluid Dynamics And Turbomachines Rapid Manufacturing Conduction And Convection: Fundamentals And Applity Toyota Production System Manufacturing Strategy Product And Brand Management Econometric Modelling	SME Name Prof. Sachin Singh Gaur Prof. Anirvan Dasgupta Prof. Prasanta Kr Das & Prof. Ravi Kumar Prof. Dhiman Chatterjee Prof. Shamit Bakshi Prof. J. Ramkumar Prof. Amandeep Singh Prof. Gautam Biswas / F Prof. Rajat Agrawal Prof. Rajat Agrawal Prof. Vinay Sharma Prof. Sujata Kar	12 Weeks 8 Weeks 12 Weeks 8 Weeks 12 Weeks 12 Weeks 12 Weeks 8 Weeks 8 Weeks 12 weeks 8 Weeks	https://online.vtu.ac.in/course-details/computational-conti https://online.vtu.ac.in/course-details/Mechanism-And-Rol https://online.vtu.ac.in/course-details/heat-exchangers-fur https://online.vtu.ac.in/course-details/Power-Plant-Enginee https://online.vtu.ac.in/course-details/Fluid-Dynamics-And https://online.vtu.ac.in/course-details/Fluid-Dynamics-And https://online.vtu.ac.in/course-details/rapid-manufacturing https://online.vtu.ac.in/course-details/Toyota-Production-Shttps://online.vtu.ac.in/course-details/manufacturing-strat https://online.vtu.ac.in/course-details/product-and-brand-https://online.vtu.ac.in/course-details/product-and-brand-https://online.vtu.ac.in/course-details/econometric-model	2 3 2 2 3 3 2 2 3 2

15	Management	Design Thinking - A Primer	Prof. Ashwin Mahalinga Prof. Bala Ramadurai	4 Weeks	https://online.vtu.ac.in/course-details/Design-Thinking-A-P	1
		Civ	il Engineering			
SI.No.	Discipline	Course Name	SME Name	Duration	Course Link	Credits
1	Civil Engineeri	r Finite Element Method And Computational Structural I	Prof. Manish Shrikhand	12 Weeks	https://online.vtu.ac.in/course-details/Finite-Element-Meth	3
2	Civil Engineeri	n Mechanics Of Materials	Prof. Saravanan.U	12 Weeks	https://online.vtu.ac.in/course-details/Mechanics-Of-Mate	3
3	Civil Engineeri	n Project Planning & Control	Prof. Koshy Varghese	8 Weeks	https://online.vtu.ac.in/course-details/project-planning-cor	2
4	Civil Engineeri	Principles Of Construction Management	Prof. Sudhir Misra	8 Weeks	https://online.vtu.ac.in/course-details/principles-of-constru	2
5	Civil Engineeri	n Municipal Solid Waste Management	Prof. Ajay Kalamdhad	12 Weeks	https://online.vtu.ac.in/course-details/municipal-solid-was	3
6	Civil Engineeri	r Introduction to Multimodal Urban Transportation Syste	Prof. Arkopal Kishore G	12 Weeks	https://online.vtu.ac.in/course-details/introduction-to-mult	3
7	Civil Engineeri	n Bridge Engineering	Prof. Piyali Sengupta	12 Weeks	https://online.vtu.ac.in/course-details/bridge-engineering	3
8	Civil Engineeri	r Wastewater Treatment And Recycling	Prof. Manoj Kumar Tiwa	12 Weeks	https://online.vtu.ac.in/course-details/wastewater-treatme	3
9	Civil Engineeri	n 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 Engineeri	n 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 Engineeri	n 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 Engineeri	n Sustainable Transportation Systems	Prof. Bhola Ram Gurjar	12 Weeks	https://online.vtu.ac.in/course-details/sustainable-transpor	3