

Sr. No.	Name of University	Courses at IIT Bombay	Courses Identified at University
1	ENS Paris	ME 6102	244- Control of mechatronic systems
2	University of Hong Kong	ME312	SYE3060-Operations Research
		ME604	MNES4032-Robotics and Machine Vision
		EC631	EF4822-Financial Econometrics
		EC402	EF4884-Economic Strategy and Game Theory
3	University of Bologna	CE610	72781-Earthquake Engineering
		CS663	88003-Image Processing
		EE6104	81683-Internet of Things
		ME312	95601-OPTIMIZATION AND MACHINE LEARNING M
		ME779	95598-AUTOMATIC CONTROL M
		ME604	92992-Industrial Robotics M
		IE643	B0223-DEEP LEARNING FOR ENGINEERING APPLICATIONS M
		EE6104	81683-Internet of Things
		CS663	91254-Image processing and Computer Vision
		ME673	29161-Mathematical Methods M
		ME423	78874-Principles and methods of Automatic Machines Design
		ME704	99576-Numerical Modelling 9f Heat and Fluid Flow M
		ENT603	73412-Technology Entrepreneurship M
		IE643	91250-Deep Learning
		SC649	92996-Autonomous and Mobile Robotics M
		ME 415	99576
		ME 673	29161
		SC625	92994-Optimal Control M
		BB521	27022 IE
		BB505	27070 IE
4	INSA LYON	AE326	GM-4-S2-EC-CEAVS
		ME601	GM-3-S2-EXMDEF-Mechanics of Deformable Solids
		ME751	GM-3-S2-EXMDEF
		ET610	GI-4-S2-EC-IS
5	Sciences PO	HS449	AMES 27402
		PS643	DD RO 27A53
		PS605	DSPO 25A55 Public Space in the Social Sciences: Theories, Practices, and Debates
		AE706	62566-Computational fluid Dynamics
		EN658	55638-Electronical energy conversion and storage
		ME312	v
		ME781	056867-STATISTIC LEARNING FOR HEALTHCARE DATA
		SC649	089013-ROBOTICS
		CS6001	056959-ALGORITHMIC GAME THEORY
		EE6104	054323-INTERNET OF THINGS
		GNR650	056935-MATHEMATICAL MODELS AND METHODS FOR IMAGE PROCESSING
		ME423	099268-MACHINE DESIGN



6	Politecnico di Milano	ME617	059691-METHODS ANDDIGITAL TOOLS FOR PRODUCT DEVELOPMENT
		ME673	O96295-MATHEMATICALMETHODS IN ENGINEERING
		ME6102	059194-DYNAMICS AND CONTROL FOR MECHATRONICSInal
		ME769	055851-FUNDAMENTALS OF INTERNAL COMBUSTION ENGINES
		ME415	057951-FUNDAMENTALS OF CFD FOR ENGINEERING
		ME734	097560-NOISE AND VIBRATION ENGINEERING
		ME604	051583-Robotics and Mechatronics
		SC607	052358-Constrained Numerical Optimization for Estimation and Control
		SC607	051822-Nonlinear Optimization
		SC602	097469-Nonlinear Control
		SC634	089013-Robotics
		ME617	51133
		SC634	089013-ROBOTICS
		SC607	052358-Constrained Numerical Optimization for Estimation and Control
		ME 604	051583-Robotics and Mechatronics
		ME415	O57951-Fundamental of CFD for engineering
		SC602	97469
		SC607	52358
		ME 769	055851-FUNDAMENTALS OF INTERNAL COMBUSTION ENGINES
		ME 766	054073 Advanced programming for scientific computing
		CS683	088949-Advanced Computer Artichitectures
7	Loughborough University	ME669	24WSD407-Sustainable Product Design
		ME710	24WSC101-Vibration and Noise
		ME415	24WSC802-Computational Fluid Dynamics I
		ME603	24WSC105-Kinematics and Dynamics of Machinery
		ME743	24SWD902-Laser and Optical Measurements
		ME711	24WSB203-Manufacturing Planning and Control
		ME 472	23WSD102- Nonlinear Dynamics
		ME800	24WSC606-Additive Manufacturing for Product Development
		ME677	24WSC910-Laser Materials Processing
		ME412	23WSD802-Computational Fluid Dynamics 2
8	Monash University	ME312	ECE3093-Optimisation a d numerical methods for engineers
		ME673	ENG2005-Advanced engineering mathematics
		ME604	TRC4800-Robotics
		TD603	CIV4268 Water Resource Management
		AE333	MAE2404-Aerodynamics 1
		GNR650	ECE4076-Computer Vision
		ME673	ENG2005-Advanced engineering mathematics
		EC631	ETC5346-Financial Econometrics
		EC402	ECF5200-Game Theory and Business Strategy
		ME604	TRC4800-Robotics
		ME312	ECE3093-Optimisation a d numerical methods for engineers

9	ISEP France	ET610	IT 2413-Data Analysis
10	Czech Technical University in Prague	CS613	BE4B36FUP-Functional Programming
		PH556	12 ECTS-Steller Physics
		PH253	12 ECTS-Statistical Physics
		ME776	Fluid structure interactions
11	University of Strasbourg	CS663	EP082M31+EP1DHM06-Medical Imaging and Processing
12	Ecole Normale Supérieure Paris-Saclay	CS 772	Algorithms for speech and natural language Processing
13	University of Basque Country	CS747	Introduction to reinforcement learning
14	Lehigh University	AE152	ME255-Introduction to Aerospace Engg.(3)
		BB677	BIOE257 Biomechanics(3)
		ME6102	ME373 Mechatronics(3)
		BB603	BIOE 210 Introduction to Engineering Physiology(4)
		ME678	ME 322 Gas Dynamics(3)
		ENT603	ENTP 101 Introduction to Entrepreneurship(3)
		CE725	CEE 202 CEE Planning and Engineering Economics(3)
		ME758	FSG3135 Micro Fluid Flows
		ME724	FSG3112 Turbulence
		PH556	SH1003 Introductory Astronomy for Engineers
		CS675	DD2258 Introduction to Visualization, Computer Graphics and Image /Video
		BB427	FDD3401 Neuroscience
		EE338	FSD3140 Signal Analysis
		BB 621	BIOS 130 Biostatistics
		ME 306	ME 304 Thermodynamics II
		ME 316	ME 312 Analysis and Synthesis of Mechanisms
		ME434	FSF3561 The Finite Element Method
		BB601	BB2400 Bionanotechnology
		ME800	MG2044-Additive Manufacturing
		ME684	AAE-E4003 DE
		ES 654	WAT-E2010 IE
		ME 613	MEC-E8001 DE
		IE621	MS-C2111 Stochastic Processes
		ME360	EEN-E1010 Power Plants and Processes
		IE 643	CS E4890 Deep L
		IE612	TU-E2211 Financial Risk Management With Derivatives 1D
		ME423	MEC-E1003 Machine Design Project
		IE710	MS-E2147 Optimization in Public Transport D
		ME6108	MEC-E1090 Quality Management and Metrology
		US606	WAT-E2060 Sustainable Built Environment D
		ME613	MEC E1050 Finite element method in solids
		EN 301	AAE E1000 Introduction to Advanced Energy Solutions
		IE609	MS-E2122 Nonlinear Optimization D
		IE 503	TU-E2021 Advanced Operations management D

ME 415	AAE-E 4003
ME477	SF1861-Optimization
IE612	SF2701-Financial Mathematics -Basic Course
EE621	EP2200 Queing Theory and Teletrafic Systems
BB505	BB2446-Immunology
IE616	SF2972-Game Theory
ME312	MS-C2110-Intro to Operations Research
ME613	MEC-E8001 Finite Element Analysis
ME616	MEC-E8007 Fracture Mechanics
ME415	AAE-E2001 Computational Fluid Dynamics D
SC627	ELEC-E8111 Autonomous Mobilr Robots
EE229	ELEC-C5231 Introduction to signal processing
ME312	MS-C2110-Intro to Operations Research
ME415	AAE-E2001 Computational Fluid Dynamics D
ME613	MEC E8001- Finite element analysis D
IE643	CS-E4890 Deep Learning D
SC607	CS E2105-Introduction to Optimization
ENT611	26E04350-Business Model Design
IE 501	ME-E2145 Combinatorial Optimization D
ME 604	ELEC-C1320 Robotics
ENT 603	MNGT-A3002 Intro to Entrepreneurship
ENT 611	26E04350-Business Model Design
IE 643	CS-E4890 Deep Learning D
ME 312	MS-C2110-Intro to Operations Research
ME312	MS-E2121-Linear Optimization
ME779	ELEC-C8201-Control And Automation
ME613	MEC-E8001-Finite Element Analysis
ME616	ELEC-C5231 Introduction to Signal Processing
GNR 401	GIS-E3050-Advanced Remote Sensing
GNR 650	CS-E4850-Computer Vision
EE338	ELEC-E5620-Audio Signal Processing
EE229	ELEC-C5231 Introduction to Signal Processing
IE621	MS-C2111 Stochastic Processes
IE612	TU-E2211 Financial Risk Management With Derivatives 1D
ME423	MEC-E1003 Machine Design Project
IE710	MS-E2147 Optimization in Public Transport D
ME6108	MEC-E1090 Quality Management and Metrology
IE609	MS-E2122 Nonlinear Optimization D
IE 503	TU-E2021 Advanced Operations management D
ME 724	ME 467-Turbulence
BB 621	MATH 449-Biostastics
IE 716	MATH 504-Integer Optimization

16	Ecole Polytechnique Federale de Lausanne (EPFL)	MA 820	MATH 332-Stochastic Processes
		EE610	EE451-Image analysis and Pattern recognition
		ME663	ME465-Advanced Heat Transfer
		AE333	ME 445 Aerodynamics
		ME6114	ME 482 Biomechanics of the musculoskeletal systems
		MA214	MATH 251(b) Numerical Analysis
		IE643	EE559 Deep Learning
		AE700	MICRO 502 Aerial Robotics
		ME477	MATH 261 Discrete Optimization
		ME6114	ME482 Biomechanics of the musculoskeletal system
		ME677	MICRO 426 Laser fundamentals and applications for engineers
		ME724	ME 467-Turbulence
		ME779	ME 524 Advanced Control Systems
		IE503	MICRO 448 Manufacturing systems and supply chain dynamics
		IE716	MATH 504-Integer Optimization
		CS726	MICRO 570 Advanced Machine learning
		ME639	ME 422 Multivariate Control
		ME 669	ME 320 Product development and engineering design
		IE 714	ME 419 Production Management
		ME 423	ME 302 Mechanical design principles
		IE 643	EE559 Deep Learning
		CS 626	CS 431 Introduction to natural language processing
		ME 604	MICRO 450 Basics of robotics for manipulation
		CS747	CS 456 Deep reinforcement learning
		CS769	CS 439 -Optimization for Machine Learning
		CS769	CS 439 -Optimization for Machine Learning
		CS726	MICRO 570 Advanced Machine learning
		ME 604	MICRO-Basics of robotics for manipulation
		ME 639	ME 422 Multivariate Control
		ME 669	ME 320 Product development and engineering design
		ME 423	ME 302 Mechanical design principles
		IE 643	EE-559 Deep Learning
		IE 714	ME 419 Production Management
		CS 626	CS 413 Introduction to natural language processing
		ENT 603	MGT-413 Entrepreneurship and new venture strategy
		IE643	EE-559 Deep Learning
		ME477	MATH 261 Discrete Optimization
		ME779	ME524-Advanced Control Systems
		ME6106	41237-Dynamics of Structures:theory and analysis
		ME 434	46910-Advanced Finite Element Simulations Using Abaqus
		CS 231	02105-Algorithms and Data Structures 1
		BB 505	27070-Immunology

CS663	02502 Image Analysis
EE6104	34315 Internet of things- application and infrastructure implementation
ME766	021613 Python and high performance Computing
BB505	27070 Immunology
ME704	41317 Computational Fluid Dynamics
GNR605	30530 Introduction to GIS
AE707	46110 Fundamental of Aerodynamics
MA5109	01227 Graph Theory
IE501	42101-Introduction to operation Research
ME 604	34753 Robotics
ME 613	41812 Introduction to Finite element Analysis
ME 616	41526 Fracture Mechanics
IE 714	62133
ME 748	41515
EN 301	28870
ME 423	41511 Machine elements- basics
IE 802	42101 Introduction to Operations Research
ME 779	62716 Digital Control Systems
CS 726	02460 Advanced Machine Learning
MG 405	63852 Project Management
SC 627	34757 Unmanned autonomous Systems
IE 609	O2610 Optimization and Data Fitting
ME800	41789 Introduction to 3d printing:processes and theory
ME415	41317-Computational Fluid Dynamics
ME477	02612- Constrained Optimization
ME613	41813-Finite element methods for sound and vibrations
ME724	46115-Turbulence Modelling
CS747	02465-Introduction to Reinforcement Learning and Control
SC635	34761-Robot autonomy
CS726	02460-Advanced Machine Learning
CS213M	02105-Algorithms and Data Structures 1
ME312	2611-Optimization for Data Science
AAE227	2611 Optimization for Data Science
CS663	02502 Image Analysis
EE6104	34315-Internet of things-application and infrastructure implementation
ME704	41317-Computational Fluid Dynamics
ME800	41789-Introduction to 3D Printing:Processes and theory
ME779	34722-Linear Control design1
CS726	02460-Advanced Machine Learning
CS747	02465-Introduction to Reinforcement Learning and Control
ENT609	38104-Entrepreneurial Finance
ME613	41813-Finite element methods for sound and vibrations

		ME415	41317-Computational Fluid Dynamics
		ME477	02612-Constrained Optimization
		ME415	SG2212-Computational Fluid Dynamics
18	KTH Royal Institute of Technology	ME477	SF 1861-Optimization
		ME613	AF2024-Finite element methods in Analysis and Design
		ME800	MG2044-Additive Manufacturing
		BB601	BB2400 Bionanotechnology
		ME669	MF1045 Product realization -Engineering Design
		ME 734	SD2140 Vibro Acoustics
		ME 4101	SD2420 Advanced design of welded structures
		MG401	ME 1035 Marketing Management
		ME 6108	MG2033 Quality Control
		ME 423	MF2101 Machine Design
		IE 714	ME2053 Logistics & Supply Chain Management
		IE663	DD2412 Deep Learning,Advanced Couse
		ME 423	MF2101 Machine Design
		ME 604	DD2410
		ME 779	HE1011
		ME 613	SE1025
		IE 503	ME2065 Operations and supply Chain Strategy
		EN615	EG2340
		CS726	FDD3434 Machine Learning, Advanced Course
		MG 406	ME2065 Operations and supply Chain Strategy
		CS213M	ID1021-Algorithms and Data Structures
		CS726	FID3020-Advanced Course in Large Scale ML and DL
		ENT611	ME2815-Business Model
		IE643	DD2258 Introduction to Visualiaztion, Computer Graphics and Image /Video
		ME613	AF2024-Finite element methods in Analysis and Design
		ME 714	MG 2036 Computer Aided Manufacturing
		ME 766	DD2356 Methods in High Performance Computing
		ENT602	ME2062 Technology Based Entrepreneurship
		ME415	SG2212-Computational Fluid Dynamics
		CS 601	DD2352 Algorithms and Complexity
		IE 616	SF2972-Game Theory
		ME477	SF1861-Optimization
		ME477	YSC2254-Modelling and Optimization
		ME704	ME 3291-Numerical Methods in Engineering
		ME779	ME 2142-Feedback Control Systems
		CS772	CS 4248- Natural Language Processing
		BB553	ZB 2101-Introductory Bioinformatics
		HS468	PH 2211-Philosophy of Religion
		EE720	CS 4230-Foundation of Modern Cryptography

19	National University of Singapore(NUS)	EC631	EC 3333-Financial Economics 1
		ES635	ESE32011-Air Quality in Changing environments
		ES307	ESE3401-Sustainable Urban Water Technology
		CS772	CS 4248- Natural Language Processing
		ENT611	BMA5424-Corporate Entrepreneurship and Business model evaluation
		IE643	DSA5204-Deep Learning and Applications
		ME604	ME4245-Robot mechanics and Control
		ME477	YSC2254-Modelling and Optimization
		HS823	GEX1014-Logic
		SI427	MA2116-Probability
		ME684	ME4223-Thermal Environmental Engineering
		ME681	ME4226-Energy and Thermal Systems
		ME415	ME4233-Computational Methods in Fluid Mechanics
		PH217	PC2032-Classical Mechanics I
		PH505	PC3232-Nuclear and Particle Physics
		ME613	ME4291-Finite Element Analysis
		CS231M	CS2040-Data Structures and Algorithms
20	University of Geneva	HS710	S201059-Consumer Behaviour
		MM749	14B057 Statistics and Probability
		MG 401	S201050 Marketing Management
		IE 506	S403011 Machine Learning
		IE 605	S210016 Statistics
		MM749	14B057 Statistics and Probability
		MG401	S201050 Marketing Management
		IE 506	14X050 Deep Learning
		EE325	S110015-Probability
		SOM 607	
		SC 629	S203031 Probabillity and Statistical Learning
		MG 406	S401013 Operations, Logistics and Supply Chain Management
		GNR 638	14P051-Physics Applications of AI
		CS213M	11X005-Data Structure
		ME 781	151-0840-00 L Optimization and Machine Learning
		ME 781	227-0432-00 L Learning, Classification, and Compression
		ME751	151-0515-00 L Continuum Mechanics II
		ME616	151-0552-00 Fracture Mechanics
		ME415	151-0208-00 L Computational methods for flow,heat and mass transfer problems
		ME6104	376-1397-00 L Orthopaedic Biomechanics
		AE305	151-1115-00 L Aircraft Aerodynamics and Flight Mechanics
			252-5706-00 L Methemathical Foundations of Computer Graphics and Vision
			401-3917-00 L Stochastic Loss Reserving Methods
		ME 415	151-0208-00L-Computational Methods for flow, heat and mass transfer problems
		ME613	151-0518-00L-Introduction to Finite Element Analysis

21	ETH Zurich	ME779	151-0590-00L-Control Systems 2
		IE 716	401-3902-21L-Network and Integer Optimization from theory to Application
		BB601	ZB 2101-Introductory Bioinformatics
		SC645	227-0680-00L-Building Control and Automation
		CS736	227-0391-00L-Medical Image Analysis
		CS769	151-0840-00L-Optimization and Machine Learning
		SC627	151-0854-00L-Automation Mobile robotics
		ME 613	151-0518-00L-Introduction to Finite Element Analysis
		PS 605	60-0022-00L Complexity and Global Systems Science
		ME 800	151-0740-00L Metal Additive Manufacturing - Fundamentals and Process Technology
		AE 725	1510-0227-00L Basics of Air Transport (Aviation I)
		EN 615	151-0216-00L Wind Energy
		IE 503	363-0445-00L Production and Operations Management
		ME 604	151-0851-00L Robot Dynamics
		ME 423	151-0321-00L Engineering Design and Material Selection
		ME 782	151-3209-00L Engineering Design Optimization
		CS 726	252-0535-00L Advanced Machine Learning
		SC 627	151-0325-00L Planning and Decision Making for Autonomous Robot

