BTECH - DATA SCIENCE, ECONOMICS AND BUSINESS
Course Plan 2021 - 25

SEM 1	Freshmore Course Title
	Fundamentals of Computational Thinking
	Engineering Mathematics in Action
	Foundations of Physical World
	Design Thinking
	Innovation Lab & Grand Challenge Studio - I
	The Art of Thinking & Reasoning

SEM 2	Freshmore Course Title
	Programming and Data Structures
	Mathematics of Uncertainity
	Nature's Machines
	Fundamentals of Microeconomics
	Reimagining Technology and Society
	Innovation Lab & Grand Challenge Studio - II

SEM 3	Freshmore Course Title
	Data Science and Artificial Intelligence
	Calculus in Higher Dimensions
	Electronic System Engineering
	Intelligent Machines
	Ethics and Communication of Technological Innovation
	Innovation Lab & Grand Challenge Studio - III

SEM 4	Course Title
	Optimization
	Macroeconomics
	Marketing Analytics
	Introduction to Data Mining & Pattern Recognition
	Communication Lab -3
	Innovation Lab & Grand Challenge Studio - IV
	Elective Courses
	Design and Analysis of Algorithms

SEM 5	Course Title
	Machine Learning & Pattern Recognition
	Econometrics
	Finance
	Advanced Statistics

	Course Title
Innovation Lab & Grand Challenge Studio - V	
Elective Courses	
Microeconomics of Development	

SEM 6	Course Title
	Deep Learning
	Market, Competition, and Public Policy
	Game Theory
	Time Series Analysis
	Innovation Lab & Grand Challenge Studio - VI
	Elective Courses
	Behavioral Economics
	Indian Economy and Financial Systems
	Reinforcement Learning

SEM 7	Course Title
	Elective Courses
	Environmental Economics
	Financial Econometrics
	Human-Tech Interaction
	Personnel Economics
	Machine Learning in Dynamic Environments
	Health Economics

SEM 8	Course Title
	Internship/Project/Research
	Elective Courses