



Visvesvaraya Technological University
 (State University of Government of Karnataka Established as per the VTU Act, 1994)
 “Jnana Sangama” Belagavi-590018, Karnataka, India.

Summary of VTU EDUSAT Programme

EDUSAT is the satellite exclusively devoted to meet the demands of educational sector. It was launched by Indian Space Research Organization (ISRO) to meet ever increasing demand for an interactive satellite-based distance education system for the country. It has revolutionized classroom teaching through IP based technology. The Subject Matter Experts can address the queries of the students in the live mode. The students can interact and ask questions through EDUSAT network. The first VTU EDUSAT Programme – 01 was commenced on 15.09.2004

Statistics of VTU EDUSAT Programme	
No. of Programmes	24
No. of Subjects	04+08+08+07+13+13+10+10+07+09+09+08+11+08+12+09+13+14+8+7+8+2+3 + 9 = 210
No. of Subject Experts	14+27+33+23+21+30+19+05+18+32+35+30+37+29+29+31+32+35+27+40+15+10 + 17 + 14 = 603
No. of Sessions Transmitted	126+253+329+286+233+404+260+85+262+322+364+292+304+150+265+257+288+285+32+333+165+240+247+ 332 = 6114
Companies that have Participated	
Types of Programmes Transmitted	Full Semester, Supplementary, FDP, CXO Speaks, Exam revision services, Technology Specific Classes, Soft Skill Classes, Frontier Lecture series, Ethics, Meditation & Yoga, Ecowatch – Environment & Sanitation Awareness, etc..

List of Courses transmitted through VTU EDUSAT Programme

Sl.No.	Disciplines	Courses
1.	Automobile Engineering	Theory and Design of Automotive Engines
2.	Basic Courses	Basic Electronics
3.		Basic Electrical Engineering
4.		Engineering Physics Lab
5.		Engineering Chemistry Lab
6.		Welding Practice
7.		Programming in C and Data Structures
8.		Computer Concepts and C Programming
9.		Computer Concepts and C Programming Lab
10.		Elements of Civil Engineering and Engg Mechanics
11.		Physics
12.		Basic Electronics (Web)
13.		Basic Electrical Engineering (Web)
14.		Programming in C and Data Structures (Web)
15.		Basic Electronics – 2018 Scheme
16.		Biotechnology
17.	Food Biotechnology	
18.	Human Physiology	
19.	Structural Biology	
20.	Bioprocess Principles and Calculations	
21.	Genetic Engineering & Application	
22.	Civil Engineering	Geotechnical Engineering - I
23.		Geotechnical Engineering - II
24.		Design of Steel Structures
25.		Fluid Mechanics
26.		Concrete Technology
27.		Design of RCC Structural Elements
28.		Fluid Mechanics
29.		Earthquake Resistant Design of Structures

30.		Advanced Concrete Technology	
31.		Strength of Materials	
32.		Basic Geotechnical Engineering	
33.		Fluid Mechanics	
34.		Structural Analysis -II	
35.		Design and Drawing of RC Structures	
36.		Strength of Materials (Web)	
37.		Basic Geotechnical Engineering (Web)	
38.		Fluid Mechanics (Web)	
39.		Solid Dynamics	
40.		Ground Water Hydrology	
41.		Probability Methods in Civil Engineering	
42.		Geotechnical Measurements & Explorations	
43.		Applied Hydraulics	
44.		Computer Science and Engineering	Data Structure With C
45.			Graph Theory & Combinatorics
46.			Analysis and Design of Algorithms
47.			Computer Organization
48.			System Software
49.			Compiler Design
50.	Computer Graphics & Visualization		
51.	Programming the web		
52.	Advanced Computer Architectures		
53.	Software Architecture		
54.	Logic Design		
55.	Database Management System		
56.	Computer Networks - II		
57.	Analog & Digital Electronics		
58.	Introduction to Linux Operating System		
59.	Network Programming Lab		
60.	Software Testing		
61.	Information and Network Security		
62.	Object Oriented Modeling and Design		
63.	Microprocessors & Microcontrollers		
64.	Discrete Mathematical Structure		
65.	Software Engineering		

66.		Automata Theory and Computability	
67.		Biometrics	
68.		Computational Geometry	
69.		Design Verification and Test of Digital VLSI Circuits	
70.		Fundamentals of Database Systems	
71.		Cryptography and Network Security	
72.		Low Power VLSI Circuits & Systems	
73.		Real Time Systems	
74.		High Performance Computing	
75.		Performance Evaluation of Computer Systems	
76.		Compiler Design	
77.		Graph Theory	
78.		Computer Networks	
79.		Finite Automata and Formal Languages	
80.		Unix and Shell Programming	
81.		Analog and Digital Electronics Laboratory	
82.		Data Structures and Applications Laboratory	
83.		Formal Languages and Automata Theory	
84.		Computer Architecture	
85.		Numerical Optimization	
86.		Software Engineering (Web)	
87.		Automata Theory and Computability (web)	
88.		Microprocessors & Microcontrollers (Web)	
89.		Analog & Digital Electronics (Web)	
90.		Electricals and Electronics Engineering	Modern Control Theory
91.			Electrical Machine Design
92.			Power System and Operational Control
93.			Micro Controllers
94.			Field Theory
95.	DC Machines and Synchronous Machines		
96.	Analog Electric Circuits		
97.	Electric Circuit Analysis		
98.	Computer Aided Electrical Drawing		

99.	Electronics and Communication Engineering	Electric and Electronic Measurement and Instrumentation
100.		Analog Electric Circuits
101.		Computer Techniques in Power Systems
102.		Power System Analysis and Stability
103.		Power System Dynamics and Control
104.		Advanced Control Systems
105.		An Introduction to Electronics Systems Packaging
106.		High Voltage DC Transmission
107.		Electric Circuit Analysis (Web)
108.		Control Systems
109.		Signals and Systems
110.		Analog Electronics Lab
111.		Logic Design Lab
112.		Digital Signal Processing
113.		Fundamentals of CMOS VLSI
114.		Antenna and Propagation
115.		Analog Electronic Circuits
116.		CMOS VLSI Design
117.		Analog Communication
118.		Micro Electronic Circuit
119.		Digital Image Processing
120.		Analog Electronics
121.		Electrical Circuit Analysis
122.		Digital Image Processing
123.		DSP Algorithm and Architecture
124.		Network Analysis
125.		Analog Electronics
126.		Digital System Design Using VHDL
127.		Analog and Mixed Mode VLSI Design
128.		Digital Communications Theory
129.		Power Electronics
130.		Digital Switching
131.	Embedded Software Testing	
132.	Pattern Recognition and Neural Networks	

133.		Error Correcting Codes
134.		Advanced 3G and 4G Wireless Communication
135.		Network Analysis (Web)
136.		CMOS VLSI Design (Web)
137.		Fundamentals of CMOS VLSI (Web)
138.		Analog Electronics (Web)
139.	Industrial Automation	Programmable Logic Circuits
140.	Industrial Production Engineering and Management	Supply Chain Management
141.		Operations Management
142.		Operations Research
143.		Quality Assurance and Reliability
144.	Instrumentation Technology	Process Control
145.		8086 Microprocessor and Peripherals
146.	Management	Financial Management
147.		Quantitative Methods - II
148.		Quantitative Techniques
149.		Information Technology for Managers
150.		Statistics for Management
151.		Organization Management
152.		Six Sigma
153.		International Finance
154.		Strategic Management - The Competitive Edge
155.		Mathematics
156.	Engineering Mathematics-4	
157.	Engineering Maths - IV	
158.	Engineering Mathematics-III	
159.	Advanced Mathematics-II	
160.	Advanced Mathematics-II	
161.	Engineering Mathematics-II	
162.	Engineering Mathematics-II	
163.	Complex Analysis	
164.	Applied Multivariate Analysis	
165.	Calculus of Variations and Integral Equation	

166.		Linear Programming and Its Extensions
167.		Discrete Mathematics
168.		Engineering Maths - IV (Web)
169.		Engineering Mathematics-II (Web)
170.		Advanced Calculus and Numerical Methods
171.	Mechanical Engineering	Basic Thermodynamics
172.		Applied Thermodynamics
173.		Fluid Mechanics
174.		Turbo Machines
175.		Design Of Machine Elements-II
176.		Modeling And Finite Element Analysis
177.		Mechanical Vibrations
178.		Manufacturing Process - III
179.		Mechanical Measurements And Metrology
180.		Dynamics Of Machines
181.		Finite Element Methods
182.		Kinematics of Mechanics
183.		Convective Heat and Mass Transfer
184.		Cryogenic Engineering
185.		Computer Aided Engineering Design
186.		Physics of Materials
187.		Control Engineering
188.		Applied Thermodynamics 2017 Scheme
189.	Faculty Enrichment Programme	Mathematics - 2
190.		Mechanics of Materials
191.		Signals and Systems
192.		Power System Analysis
193.		Design and Analysis of Algorithms
194.		Strength of Materials
195.		Research Methodology and Thesis Writing using Latex
196.	Discrete Mathematical Structures	
197.		Special Talk on Aerospace & Defence Domain?
198.		What College didn't Teach Me?

199.	CXO Speaks	Industry Experts Talk
200.		Soft Skills by Glixcer Technologies
201.		Aptitude Training by JV Global
202.		Sanitation and Environmental Awareness by Ecowatch
203.		Intel Special Lecture Series Programme
204.		Special Lectures on Multicore Technologies
205.		Meditation and Yoga from S N Omkar, IISc, B'lore
206.		MSP430 Design -- Lectures Series from Texas Instrumentation, B'lore
207.		Lecture Series by CoreEL Technologies
208.		IBM Rational Seed Programme
209.		Nokia Lecture Series
210.	SUN Certification Lecture Series	



Presently, VTU e-Learning Centre has migrated from satellite based EDUSAT programme to web based e-Shikshana programme.

Ray — BE
REGISTRAR
Visvesvaraya Technological University
BELAGAVI.