

1.2.1: Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.

The regulations offered during the last five years for B.Tech, M.Tech, and MCA are tabulated below:

Year	B. Tech - Regulations				M. Tech Regulations		MCA - Regulations		
	I Year	II Year	III Year	IV Year	I Year	II Year	I Year	II Year	III Year
2020-21	SVEC-20	SVEC-19	SVEC-16	SVEC-16	SVEC-19	SVEC-19	SVEC-20	SVEC-19	SVEC-16
2019-20	SVEC-19	SVEC-16	SVEC-16	SVEC-16	SVEC-19	SVEC-16	SVEC-19	SVEC-16	SVEC-16
2018-19	SVEC-16	SVEC-16	SVEC-16	SVEC-14	SVEC-16	SVEC-16	SVEC-16	SVEC-16	SVEC-16
2017-18	SVEC-16	SVEC-16	SVEC-14	SVEC-14	SVEC-16	SVEC-16	SVEC-16	SVEC-16	SVEC-14
2016-17	SVEC-16	SVEC-14	SVEC-14	SVEC-10	SVEC-16	SVEC-14	SVEC-16	SVEC-14	SVEC-14

Program-wise list of new courses introduced during the last five years for B.Tech, M.Tech, and MCA are tabulated below:

Programme Code	Programme name	No. of New Courses Introduced (Regulations: SVEC-20, SVEC-19, SVEC-16, SVEC-14 & SVEC-10)				
		2020-21	2019-20	2018-19	2017-18	2016-17
01	B. Tech. - Civil Engineering	33	32	34	19	6
02	B. Tech. - Electrical and Electronics Engineering	33	32	37	33	16
03	B. Tech - Mechanical Engineering	21	30	26	19	13
04	B. Tech - Electronics and Communication Engineering	30	27	28	23	13
05	B. Tech - Computer Science and Engineering	33	31	42	39	20
10	B. Tech - Electronics and Instrumentation Engineering	31	24	28	21	10
12	B. Tech - Information Technology	32	26	33	41	15
15	B. Tech - Computer Science and System Engineering	37	31	31	26	15
05	M. Tech - Computer Science	18	18	6	6	6
07	M. Tech - Electrical Power Systems	10	10	6	6	6
25	M. Tech - Software Engineering	-NA-	-NA-	-NA-	-NA-	6
38	M. Tech- Digital Electronics and Communication Systems	-NA-	-NA-	-NA-	9	9
57	M. Tech- VLSI	8	8	7	7	7
61	M. Tech- Communication Systems	-NA-	-NA-	-NA-	7	7
63	M. Tech - Computer Networks and Information Security	-NA-	-NA-	-NA-	-NA-	8
83	M. Tech - Power Electronics and Drives	12	12	-NA-	10	-NA-
01	MCA - Master of Computer Applications	17	15	15	18	15
Total no. of new courses introduced		315	296	293	284	172

Note: Program wise, details of List of new courses introduced under various regulations are attached below.


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1.2.1 New courses introduced across all programs offered during the last five years (2016-17 to 2020-21).

Department/Program Name	Page Numbers			
	SVEC-14	SVEC-16	SVEC-19	SVEC-20
B. Tech. - Civil Engineering	1	2	3	5
B. Tech. - Electrical and Electronics Engineering	6	7	8	10
B. Tech - Mechanical Engineering	11	12	13	15
B. Tech - Electronics and Communication Engineering	16	17	18	20
B. Tech - Computer Science and Engineering	21	23	24	26
B. Tech - Electronics and Instrumentation Engineering	27	28	29	31
B. Tech - Information Technology	32	33	34	36
B. Tech - Computer Science and System Engineering	37	38	39	40
M. Tech - Computer Science	-NA-	41	42	-NA-
M. Tech - Electrical Power Systems	-NA-	43	44	-NA-
M. Tech - Software Engineering	-NA-	45	46	-NA-
M. Tech- Digital Electronics and Communication Systems	-NA-	47	48	-NA-
M. Tech- VLSI	-NA-	49	50	-NA-
M. Tech- Communication Systems	-NA-	51	52	-NA-
M. Tech - Computer Networks and Information Security	-NA-	53	54	-NA-
M. Tech - Power Electronics and Drives	-NA-	55	56	-NA-
MCA - Master of Computer Applications	57	58	59	60



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Civil Engineering

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14BT60106	Geo-environmental Engineering
2.	14BT60108	Solid Waste Management
3.	14BT70103	Geospatial Technologies
4.	14BT70113	Transportation Management
5.	14BT70121	Remote Sensing and Geographical Information Systems Lab
6.	14BT70106	Environmental Pollution and Control
7.	14BT70107	Contract Laws and Regulations
8.	14BT70108	Planning for Sustainable Development
9.	14BT70109	Rural Technology
10.	14BT80103	Advanced Steel Structures
11.	14BT80107	Infrastructure Development and Management
12.	14BT80109	Bridge Engineering
13.	14BT80111	Rehabilitation and Retrofitting of Structures
14.	14BT80114	Railway, Harbour and Airport Engineering


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Civil Engineering

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16BT20101	Building Materials and Construction Technology
2.	16BT20131	Building Materials and Construction Technology Lab
3.	16BT2BS01	Transformation Techniques and Partial Differential Equations
4.	16BT20252	MATLAB Practice for Civil Engineers
5.	16BT4HS31	Soft Skills Lab
6.	16BT5HS02	Costing and Finance Management for Civil Engineers
7.	16BT5HS02	Costing and Finance Management for Civil Engineers
8.	16BT50441	Principles of Image Processing
9.	16BT60104	Fire Engineering
10.	16BT60107	Advanced Surveying
11.	16BT60111	Structural Health Monitoring
12.	16BT60112	Building maintenance and Repair
13.	16BT6HS05	French Language
14.	16BT6HS06	German Language
15.	16BT6HS07	Indian Constitution
16.	16BT6HS08	Indian Economy
17.	16BT6HS09	Indian Heritage and Culture
18.	16BT6HS10	Indian History
19.	16BT6HS11	Personality Development
20.	16BT6HS13	Philosophy of Education
21.	16BT6HS13	Public Administration
22.	16BT60241	Energy Audit and Conservation
23.	16BT70413	Introduction to Nanoscience and Nanotechnology
24.	16BT70107	Global Positioning System (GPS)
25.	16BT70118	Air Pollution and Control
26.	16BT70121	Hydro Power Engineering
27.	16BT70122	Pavement Analysis and Design
28.	16BT70131	Civil Engineering Software Lab


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Civil Engineering

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19BT1AC01	Spoken English
2.	19BT1BS02	Biology for Engineers
3.	19BT10201	Basic Electrical and Electronics Engineering
4.	19BT10231	Basic Electrical and Electronics Engineering Lab
5.	19BT10501	Programming for Problem Solving
6.	19BT10531	Programming for Problem Solving Lab
7.	19BT2BS02	Applied Physics
8.	19BT2BS31	Applied Physics lab
9.	19BT315AC	Design Thinking
10.	19BT40107	Sustainable Engineering
11.	19BT4BS01	Material Science
12.	19BT4HS05	Gender & Environment
13.	19BT4HS09	Life Skills
14.	19BT4HS11	Professional Ethics
15.	19BT4HS12	Women Empowerment
16.	19BT50105	Construction Equipment and Automation
17.	19BT50106	Pipeline Engineering
18.	19BT503AC	Foundations of Entrepreneurship
19.	19BT6HS02	Organizational Behavior
20.	19BT60107	Urban Stormwater Management
21.	19BT60108	Railway Engineering

S. No.	Course Code	Name of the course
22.	19BT60120	Land Survey and Real Estate Development
23.	19BT60122	Sustainable Water Resources Development
24.	19BT60124	Intelligent Transportation Systems
25.	19BT60125	Smart Materials and Structures
26.	19BT5MC01	Universal Human Values
27.	19BT70105	Environmental Hydraulics
28.	19BT70108	River Engineering and River Basin Management
29.	19BT70110	Analysis and Design of Composite Structures
30.	19BT70112	Civil Infrastructure for Smart City Development
31.	19BT70114	Geotechnics for Underground Structures
32.	19BT70115	Traffic Engineering and Management
33.	19BT701AC	Spread Sheet Applications in Civil Engineering


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Civil Engineering

Regulations: SVEC-20

S. No.	Course Code	Name of the course
1.	20BT20541	Programming in C and Data Structures
2.	20BT20551	Programming in C and Data Structures Lab
3.	20BT30131	Civil Engineering Materials and Construction Technology Lab
4.	20BT40134	Advanced Surveying Practice
5.	20BT50133	MATLAB Practice for Civil Engineers

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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electrical and Electronics Engineering

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14BT50423	Analog Electronics and IC lab
2.	14BT60205	Instrumentation
3.	14BT60208	Computer Aided Electrical Machine Design
4.	14BT60221	Electrical Systems and Simulation Lab
5.	14BT60305	Artificial Intelligence and Robotics
6.	14BT60306	Global Strategy and Technology
7.	14BT60307	Intellectual Property Rights and Management
8.	14BT60308	Managing Innovation and Entrepreneurship
9.	14BT60309	Material Science
10.	14BT6HS01	Banking and Insurance
11.	14BT6HS02	Cost Accounting and Financial Management
12.	14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
13.	14BT70106	Environmental Pollution and Control
14.	14BT70107	Contract Laws and Regulations
15.	14BT70108	Planning for Sustainable Development
16.	14BT70109	Rural Technology
17.	14BT70204	Reactive Power Compensation and Management
18.	14BT70205	Soft Computing Techniques
19.	14BT70206	Advanced Microcontrollers
20.	14BT70221	Power Electronics and Drives Lab
21.	14BT70222	Power Systems and Simulation Lab
22.	14BT80202	HVDC and FACTS
23.	14BT80203	Power Quality
24.	14BT80206	Smart Grid Technology
25.	14BT80207	Energy Audit and Demand Side Management
26.	14BT80208	Power System Deregulation
27.	14BT80209	Solar and Wind Energy Conversion Systems


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electrical and Electronics Engineering

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16BT10232	Electrical and Electronics Workshop Practice
2.	16BT20541	Foundations of Data Structures
3.	16BT20551	Foundations of Data structures Lab
4.	16BT2BS01	Transformation Techniques and Partial Differential Equations
5.	16BT30232	Signals and Networks Lab
6.	16BT4HS31	Soft Skills Lab
7.	16BT51041	Sensors and Signal Conditioning
8.	16BT51041	Sensors and Signal Conditioning
9.	16BT60112	Building Maintenance and Repair
10.	16BT60203	Design and Estimation of Electrical Systems
11.	16BT60210	Special Electrical Machines
12.	16BT61001	ARM Processors and PIC Microcontrollers
13.	16BT61041	Programmable Logic Controllers
14.	16BT6HS05	French Language
15.	16BT6HS06	German Language
16.	16BT6HS07	Indian Constitution
17.	16BT6HS08	Indian Economy
18.	16BT6HS09	Indian Heritage and Culture
19.	16BT6HS10	Indian History
20.	16BT6HS11	Personality Development
21.	16BT6HS13	Philosophy of Education
22.	16BT6HS13	Public Administration
23.	16BT70205	Power System Automation
24.	16BT70207	Analysis of Power Electronic Converters
25.	16BT70209	Smart Grid Technology
26.	16BT70413	Introduction to Nanoscience and Nanotechnology
27.	16BT70432	Embedded Systems Lab


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electrical and Electronics Engineering

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19BT1BS02	Biology for Engineers
2.	19BT10341	Basic Civil and Mechanical Engineering
3.	19BT10201	Basic Electrical and Electronics Engineering
4.	19BT10231	Basic Electrical and Electronics Engineering Lab
5.	19BT1AC01	Spoken English
6.	19BT10501	Programming for Problem Solving
7.	19BT10531	Programming for Problem Solving Lab
8.	19BT4BS01	Material Science
9.	19BT4HS12	Women Empowerment
10.	19BT40231	Digital Electronics Lab
11.	19BT40232	Electrical Engineering Workshop
12.	19BT315AC	Design Thinking
13.	19BT40403	Linear and Digital IC Applications
14.	19BT4HS05	Gender and Environment
15.	19BT4HS09	Life Skills
16.	19BT4HS11	Professional Ethics
17.	19BT40107	Sustainable Engineering
18.	19BT50208	Intellectual Property Rights
19.	19BT51041	PLC and SCADA
20.	19BT50231	Socially Relevant Project-I
21.	19BT61531	Internet of Things Lab
22.	19BT503AC	Foundations of Entrepreneurship
23.	19BT60206	PIC Microcontrollers
24.	19BT60208	Distributed Generation and Microgrid
25.	19BT50406	FPGA Architectures and Applications

S. No.	Course Code	Name of the course
26.	19BT61003	Industrial Data Communication
27.	19BT60231	Electrical CAD Lab
28.	19BT60233	Socially Relevant Project-II
29.	19BT5MC01	Universal Human Values
30.	19BT70204	Electric Vehicles
31.	19BT70209	Power Electronics for Renewable Energy Systems
32.	19BT70233	Internship
33.	19BT702AC	Electrical safety and safety management


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electrical and Electronics Engineering

Regulations: SVEC-20

S. No	Course Code	Name of the course
1.	20BT20541	Programming in C and Data Structures
2.	20BT20551	Programming in C and Data Structures Lab
3.	20BT50232	Electrical Auditing and conservation Practice Lab
4.	20BT60233	ARM Processor and its Interfacing Lab
5.	20BT50233	Summer Internship-I
6.	20BT70233	Summer Internship-II



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Mechanical Engineering

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14BT60305	Artificial Intelligence and Robotics
2.	14BT60306	Global Strategy and Technology
3.	14BT60307	Intellectual Property Rights and Management
4.	14BT60308	Managing Innovation and Entrepreneurship
5.	14BT60309	Material Science
6.	14BT70106	Environmental Pollution and Control
7.	14BT70107	Contract Laws and Regulations
8.	14BT70108	Planning for Sustainable Development
9.	14BT70109	Rural Technology
10.	14BT6HS01	Banking and Insurance
11.	14BT6HS02	Cost Accounting and Financial Management
12.	14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
13.	14BT70311	Advanced Welding Technology
14.	14BT80304	Product Design
15.	14BT80305	Advanced Casting Technology
16.	14BT80306	Quality Management and Reliability
17.	14BT80310	Project Management



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Mechanical Engineering

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16BT50306	Human Resources Management
2.	16BT50307	Instrumentation and Control Systems
3.	16BT40502	Database Management System
4.	16BT50402	Microprocessors and Microcontrollers
5.	16BT41202	Java programming
6.	16BT51201	Computer Graphics and Multimedia
7.	16BT60304	Gas Turbines and Jet Propulsion
8.	16BT60305	Hydraulics and Pneumatics
9.	16BT70304	Cryogenics
10.	16BT70332	Industrial Engineering Lab
11.	16BT2BS01	Transformation Techniques and Partial Differential Equations
12.	16BT4HS31	Soft Skills Lab
13.	16BT6HS05	French Language
14.	16BT6HS06	German Language
15.	16BT6HS07	Indian Constitution
16.	16BT6HS08	Indian Economy
17.	16BT6HS09	Indian Heritage and Culture
18.	16BT6HS10	Indian History
19.	16BT6HS11	Personality Development
20.	16BT6HS13	Philosophy of Education
21.	16BT6HS13	Public Administration
22.	16BT60112	Building Maintenance and Repair
23.	16BT70413	Introduction to Nanoscience and Nanotechnology


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Mechanical Engineering

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19BT315AC	Design Thinking
2.	19BT50305	Compressible Fluid Flow
3.	19BT50307	Statistical Inference and Modelling
4.	19BT50310	Artificial Intelligence and Robotics
5.	19BT50311	Automotive Electronics
6.	19BT50312	Industrial Automation and Control Systems
7.	19BT50314	Programmable Logic Controller in Automation
8.	19BT50315	Soft Computing Techniques in Mechanical Engineering
9.	19BT50333	Socially Relevant Project-1
10.	19BT503AC	Foundations of Entrepreneurship
11.	19BT60304	Casting and Welding Technology
12.	19BT60305	Composite Materials
13.	19BT60310	Automotive Fuels and Combustion
14.	19BT60311	Design of Pressure Vessels and Piping Systems
15.	19BT60312	Mechanical Behavior of Materials
16.	19BT60313	Non Traditional Machining process
17.	19BT60314	Optimization Techniques
18.	19BT50408	Micro electromechanical Systems
19.	19BT5MC01	Universal Human Values
20.	19BT60318	Industrial Internet of Things
21.	19BT60319	Machinery Fault Diagnosis and Signal Processing

S. No.	Course Code	Name of the course
22.	19BT61531	Internet of Things (IoT) Lab
23.	19BT60332	Socially Relevant Project-2
24.	19BT70305	Material Processing Techniques
25.	19BT70308	Sustainable Manufacturing
26.	19BT70310	Design of Automotive components
27.	19BT70311	Project Management
28.	19BT70313	Surface Engineering
29.	19BT70314	Hybrid and Electric Vehicles
30.	19BT70332	Simulation and Analysis Lab
31.	19BT70333	Internship
32.	19BT703AC	MATLAB for Mechanical Engineers



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Mechanical Engineering

Regulations: SVEC-20

S. No.	Course Code	Name of the course
1.	20BT20541	Programming in C and Data Structures
2.	20BT20551	Programming in C and Data Structures Lab
3.	20BT40333	MATLAB for Mechanical Engineers Lab
4.	20BT70332	Manufacturing systems and Operations Management Lab
5.	20BT70333	Heating, Ventilation and Air Conditioning Lab
6.	20BT703AC	3D Printing and Design



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electronics and Communication Engineering

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14BT60404	Analog IC Design
2.	14BT6HS01	Banking and Insurance
3.	14BT6HS02	Cost Accounting and Financial Management
4.	14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
5.	14BT60305	Artificial Intelligence and Robotics
6.	14BT60306	Global Strategy and Technology
7.	14BT60307	Intellectual Property Rights and Management
8.	14BT60308	Managing Innovation and Entrepreneurship
9.	14BT60309	Material Science
10.	14BT70405	Digital CMOS IC Design
11.	14BT70106	Environmental Pollution and Control
12.	14BT70107	Contract Laws and Regulations
13.	14BT70108	Planning for Sustainable Development
14.	14BT70109	Rural Technology
15.	14BT80402	Mixed Signal Design
16.	14BT80531	Wireless Sensor Networks
17.	14BT80405	Speech Processing



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electronics and Communication Engineering

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16BT10232	Electrical and Electronics Workshop Practice
2.	16BT2BS01	Transformation Techniques and Partial Differential Equations
3.	16BT20541	Foundations of Data Structures
4.	16BT20551	Foundations of Data structures Lab
5.	16BT30431	Basic Electronics and Digital Design Lab
6.	16BT4HS31	Soft Skills Lab
7.	16BT50431	Linear and Digital IC Applications Lab
8.	16BT60408	Information Theory and Coding
9.	16BT60410	Nanoelectronics
10.	16BT60431	Digital Communications Lab
11.	16BT6HS05	French Language
12.	16BT6HS06	German Language
13.	16BT6HS07	Indian Constitution
14.	16BT6HS08	Indian Economy
15.	16BT6HS09	Indian Heritage and Culture
16.	16BT6HS10	Indian History
17.	16BT6HS11	Personality Development
18.	16BT6HS12	Philosophy of Education
19.	16BT6HS13	Public Administration
20.	16BT60112	Building Maintenance and Repair
21.	16BT70407	Wireless Communication and Networks
22.	16BT70409	RF Engineering
23.	16BT70432	Embedded Systems Lab
24.	16BT70413	Introduction to Nanoscience and Nanotechnology



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Chittoor (Dist.) - 517 102, A.P., INDIA.

LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electronics and Communication Engineering

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19BT10201	Basic Electrical and Electronics Engineering
2.	19BT10231	Basic Electrical and Electronics Engineering Lab
3.	19BT10341	Basic Civil and Mechanical Engineering
4.	19BT10501	Programming for Problem Solving
5.	19BT10531	Programming for Problem Solving Lab
6.	19BT1AC01	Spoken English
7.	19BT1BS02	Biology for Engineers
8.	19BT30431	Electromagnetic Fields and Transmission Lines Lab
9.	19BT315AC	Design Thinking
10.	19BT40403	Linear and Digital IC Applications
11.	19BT40431	Digital Design Workshop
12.	19BT4BS01	Material Science
13.	19BT4HS05	Gender & Environment
14.	19BT4HS09	Life Skills
15.	19BT4HS11	Professional Ethics
16.	19BT4HS12	Women Empowerment
17.	19BT40107	Sustainable Engineering
18.	19BT50405	Fiber Optic Communications
19.	19BT50406	FPGA Architectures and Applications
20.	19BT50431	Analog and Digital Communications Lab
21.	19BT61531	Internet of Things Lab
22.	19BT50432	Socially Relevant Project-1
23.	19BT503AC	Foundations of Entrepreneurship
24.	19BT60402	Microcontrollers
25.	19BT60404	ARM and AVR Microcontrollers

S. No.	Course Code	Name of the course
26.	19BT60405	Digital IC Design
27.	19BT60408	Nanostructures and Nanotechnology
28.	19BT60409	Testing and Testability
29.	19BT50501	Machine Learning
30.	19BT60201	Power Electronics
31.	19BT71002	PLC and SCADA
32.	19BT60433	Socially Relevant Project-2
33.	19BT5MC01	Universal Human Values
34.	19BT60432	Microcontrollers Lab
35.	19BT71001	Biomedical Instrumentation
36.	19BT70406	Adaptive Signal Processing
37.	19BT70407	Error Control Coding
38.	19BT70409	Real Time Systems
39.	19BT70433	Internship
40.	19BT704AC	Principles of Operating Systems
41.	19BT40107	Sustainable Engineering
42.	19BT51207	AI in Healthcare
43.	19BT50207	Computer Organization And Architecture



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electronics and Communication Engineering

Regulations: SVEC-20

S. No.	Course Code	Name of the course
1.	20BT20541	Programming in C and Data Structures
2.	20BT20551	Programming in C and Data Structures Lab
3.	20BT40432	Digital Design Lab
4.	20BT40405	Microcontroller and Interfacing
5.	20BT40501	Database Management Systems
6.	20BT50405	VLSI System Design
7.	20BT60411	PIC Microcontrollers
8.	20BT70433	Programming using LabVIEW
9.	20BT704AC	Internet of Things Applications



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Engineering

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14BT4HS01	Business Communication and Presentation Skills
2.	14BT50521	Operating Systems and Unix Lab
3.	14BT6HS01	Banking and Insurance
4.	14BT6HS02	Cost Accounting and Financial Management
5.	14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
6.	14BT70105	Disaster Mitigation and Management
7.	14BT70106	Environmental Pollution and Control
8.	14BT70107	Contract Laws and Regulations
9.	14BT70108	Planning for Sustainable Development
10.	14BT70109	Rural Technology
11.	14BT60305	Artificial Intelligence and Robotics
12.	14BT60306	Global Strategy and Technology
13.	14BT60307	Intellectual Property Rights and Management
14.	14BT60308	Managing Innovation and Entrepreneurship
15.	14BT60309	Material Science
16.	14BT60502	Engineering Systems Analysis and Design
17.	14BT61204	Cyber Security and Laws
18.	14BT70502	Mobile Computing
19.	14BT70503	Advanced Computer Architecture
20.	14BT71205	Machine Learning
21.	14BT71501	Embedded System Programming
22.	14BT71504	Simulation and Modeling
23.	14BT71202	Multimedia and Application Development
24.	14BT71206	Service Oriented Architecture
25.	14BT71521	Data Warehousing and Data Mining Lab
26.	14BT80501	Design Patterns

S. No.	Course Code	Name of the course
27.	14BT80502	Big Data
28.	14BT80503	Computer Forensics
29.	14BT80504	Distributed Systems
30.	14BT80505	Network Management
31.	14BT71201	Mobile Application Development
32.	14BT81204	Information Retrieval Systems
33.	14BT81206	Semantic Web

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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Engineering

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16BT2BS01	Transformation Techniques and Partial Differential Equations
2.	16BT21201	Object Oriented Programming through C++
3.	16BT21232	Object Oriented Programming Lab
4.	16BT30503	Python Programming
5.	16BT30532	Python Programming Lab
6.	16BT31231	Java Programming Lab
7.	16BT4HS31	Soft Skills Lab
8.	16BT50503	Computer Vision
9.	16BT50504	Data Communications
10.	16BT50531	Computer Networks Lab
11.	16BT50341	Optimization Techniques
12.	16BT60502	Soft Computing
13.	16BT60503	Wireless Networks
14.	16BT71210	High Performance Computing
15.	16BT60504	Principles of Programming Languages
16.	16BT6HS05	French Language
17.	16BT6HS06	German Language
18.	16BT6HS07	Indian Constitution
19.	16BT6HS08	Indian Economy
20.	16BT6HS09	Indian Heritage and Culture
21.	16BT6HS10	Indian History
22.	16BT6HS11	Personality Development
23.	16BT6HS12	Philosophy of Education
24.	16BT6HS13	Public Administration
25.	16BT60112	Building Maintenance and Repair
26.	16BT70413	Introduction to Nanoscience and Nanotechnology
27.	16BT70502	Ethical Hacking
28.	16BT70503	Computer Forensics
29.	16BT71508	Internet of Things
30.	16BT61231	Cloud Computing Lab



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Engineering

Regulations: SVEC-19

S.No.	Course Code	Name of the course
1.	19BT1BS02	Biology for Engineers
2.	19BT10201	Basic Electrical and Electronics Engineering
3.	19BT10231	Basic Electrical and Electronics Engineering Lab
4.	19BT1AC01	Spoken English
5.	19BT315AC	Design Thinking
6.	19BT31232	Software Engineering Lab
7.	19BT4BS01	Material Science
8.	19BT4HS05	Gender and Environment
9.	19BT4HS09	Life Skills
10.	19BT4HS11	Professional Ethics
11.	19BT4HS12	Women Empowerment
12.	19BT40107	Sustainable Engineering
13.	19BT50501	Advanced Computer Architecture
14.	19BT50502	Artificial Intelligence
15.	19BT50503	Cyber Security
16.	19BT50342	Robotics and Automation
17.	19BT5MC01	Universal Human Values
18.	19BT51203	Advanced Databases
19.	19BT51502	Natural Language Processing
20.	19BT50507	Python for Data Science
21.	19BT50534	Python for Data Science Lab
22.	19BT51209	IoT Architecture and Protocols
23.	19BT503AC	Foundations of Entrepreneurship
24.	19BT50504	Data Visualization

S.No.	Course Code	Name of the course
25.	19BT50506	Feature Engineering for Machine Learning
26.	19BT50533	Data Visualization Lab
27.	19BT6HS02	Organizational Behavior
28.	19BT60502	Machine Learning
29.	19BT60531	Machine LearningLab
30.	19BT61503	Parallel and Distributed Systems
31.	19BT60504	Full Stack Development
32.	19BT60407	Image Processing
33.	19BT60318	Industrial Internet of Things
34.	19BT61531	Internet of Things Lab
35.	19BT60506	Computer Vision
36.	19BT60507	Nature Inspired Algorithms
37.	19BT60533	Computer Vision Lab
38.	19BT70501	Augmented Reality and Virtual Reality
39.	19BT70502	Data Science
40.	19BT70405	Speech Processing
41.	19BT61506	User Interface Design
42.	19BT71503	Deep Learning
43.	19BT70503	Blockchain Technologies
44.	19BT705AC	Free and Open Source Software
45.	19BT70504	Applied Text Analytics
46.	19BT70532	Applied Text Analytics Lab
47.	19BT70533	Deep Learning Lab



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Engineering

Regulations: SVEC-20

S. No.	Course Code	Name of the course
1.	20BT30534	Programming through C++ Lab
2.	20BT41531	Design and Analysis of Algorithms Lab
3.	20BT40305	Human Resource Management
4.	20BT50505	Software Project Management
5.	20BT50532	Python for Data Science Lab
6.	20BT5MC01	Professional Ethics
7.	20BT70501	Computer Vision
8.	20BT70531	Computer Vision Lab
9.	20BT71206	Game Development
10.	20BT70506	Service Oriented Architecture and Microservices Architecture
11.	20BT70507	Nature Inspired Algorithms
12.	20BT70532	R Programming Lab



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SREE VIDYANIKETHAN ENGINEERING COLLEGE
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Sree Sainath Nagar, Tirupati

Department of Electronics and Instrumentation Engineering

LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electronics and Instrumentation Engineering

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14BT60305	Artificial Intelligence and Robotics
2.	14BT60306	Global Strategy and Technology
3.	14BT60307	Intellectual Property Rights and Management
4.	14BT60308	Managing Innovation and Entrepreneurship
5.	14BT60309	Material Science
6.	14BT6HS01	Banking and Insurance
7.	14BT6HS02	Cost Accounting and Financial Management
8.	14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
9.	14BT70106	Environmental Pollution and Control
10.	14BT70107	Contract Laws and Regulations
11.	14BT70108	Planning for Sustainable Development
12.	14BT70109	Rural Technology
13.	14BT70205	Soft Computing Techniques
14.	14BT81004	Aircraft Instrumentation
15.	14BT81005	Automotive Instrumentation
16.	14BT81006	Instrumentation in Process industries


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Chittoor (Dist.) - 517 102, A.P., INDIA.

LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electronics and Instrumentation Engineering

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16BT10232	Electrical and Electronics Workshop Practice
2.	16BT2BS01	Transformation Techniques and Partial Differential Equations
3.	16BT30431	Basic Electronics and Digital Design Lab
4.	16BT4HS31	Soft Skills Lab
5.	16BT41032	Control systems Design lab
6.	16BT51031	Industrial Instrumentation -Lab
7.	16BT61001	ARM Processors and PIC Microcontrollers
8.	16BT61003	Instrumentation System Design
9.	16BT61031	ARM processors and PIC Microcontrollers lab
10.	16BT6HS05	French Language
11.	16BT6HS06	German Language
12.	16BT6HS07	Indian Constitution
13.	16BT6HS08	Indian Economy
14.	16BT6HS09	Indian Heritage and Culture
15.	16BT6HS10	Indian History
16.	16BT6HS11	Personality Development
17.	16BT6HS13	Philosophy of Education
18.	16BT6HS13	Public Administration
19.	16BT60112	Building Maintenance and Repair
20.	16BT60305	Hydraulics and Pneumatics
21.	16BT70413	Introduction to Nanoscience and Nanotechnology
22.	16BT71002	Biomedical Signal Processing
23.	16BT71007	Instrumentation in petrochemical industries
24.	16BT71010	System Design using microcontrollers



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electronics and Instrumentation Engineering

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19BT1AC01	Spoken English
2.	19BT1BS02	Biology for Engineers
3.	19BT1HS01	Communicative English
4.	19BT1BS03	Engineering Physics
5.	19BT1BS31	Engineering Physics Lab
6.	19BT1BS04	Engineering Chemistry
7.	19BT1BS32	Engineering Chemistry Lab
8.	19BT2BS01	Transformation Techniques and Linear Algebra
9.	19BT31031	Instrumentation workshop
10.	19BT30402	Electronic Devices and Circuits
11.	19BT30432	Electronic Devices and Circuits Lab
12.	19BT41031	Industrial Instrumentation Lab
13.	19BT4BS01	Material Science
14.	19BT4HS05	Gender & Environment
15.	19BT4HS09	Life Skills
16.	19BT4HS11	Professional Ethics
17.	19BT4HS12	Women Empowerment
18.	19BT40107	Sustainable Engineering
19.	19BT50409	Green Technologies
20.	19BT50502	Artificial Intelligence
21.	19BT51032	Socially Relevant project-1

S. No.	Course Code	Name of the course
22.	19BT503AC	Foundations of Entrepreneurship
23.	19BT5MC01	Universal Human Values
24.	19BT50406	FPGA Architectures and applications
25.	19BT61531	Internet of Things Lab
26.	19BT61003	Industrial Data Communications
27.	19BT60402	Microcontrollers
28.	19BT60405	Digital IC Design
29.	19BT60502	Machine Learning
30.	19BT60432	Microcontrollers lab
31.	19BT61032	Socially Relevant project-2
32.	19BT60410	Wireless Sensor Networks
33.	19BT71002	Programmable Logic Controller
34.	19BT71006	Identification and Adaptive Control
35.	19BT71033	Internship
36.	19BT710AC	Process Plant Layout and Piping Design


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Electronics and Instrumentation Engineering

Regulations: SVEC-20

S. No.	Course Code	Name of the course
1.	20BT20541	Programming in C and Data Structures
2.	20BT20551	Programming in C and Data Structures Lab
3.	20BT40432	Digital Design Lab
4.	20BT50405	VLSI System Design
5.	20BT50251	Control Systems Lab
6.	20BT51032	Automotive Instrumentation
7.	20BT71006	SCADA and DCS



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Information Technology

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14BT6HS01	Banking and Insurance
2.	14BT6HS02	Cost Accounting and Financial Management
3.	14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
4.	14BT70106	Environmental Pollution and Control
5.	14BT70107	Contract Laws and Regulations
6.	14BT70108	Planning for Sustainable Development
7.	14BT70109	Rural Technology
8.	14BT60305	Artificial Intelligence and Robotics
9.	14BT60306	Global Strategy and Technology
10.	14BT60307	Intellectual Property Rights and Management
11.	14BT60308	Managing Innovation and Entrepreneurship
12.	14BT60309	Material Science
13.	14BT71201	Mobile Application Development
14.	14BT71203	Scripting Languages
15.	14BT80504	Distributed Systems
16.	14BT81203	.Net Technologies
17.	14BT70503	Advanced Computer Architecture
18.	14BT71501	Embedded System Programming
19.	14BT80502	Big Data


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Information Technology

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16BT2BS01	Transformation Techniques and Partial Differential Equations
2.	16BT21201	Object Oriented Programming through C++
3.	16BT21232	Object Oriented Programming Lab
4.	16BT31231	Java Programming Lab
5.	16BT4HS31	Soft Skills Lab
6.	16BT51232	Computer Graphics and Multimedia Lab
7.	16BT60503	Wireless Networks
8.	16BT61203	Advanced Databases
9.	16BT30503	Python Programming
10.	16BT61231	Cloud Computing Lab
11.	16BT61232	Knowledge Engineering Lab
12.	16BT6HS05	French Language
13.	16BT6HS06	German Language
14.	16BT6HS07	Indian Constitution
15.	16BT6HS08	Indian Economy
16.	16BT6HS09	Indian Heritage and Culture
17.	16BT6HS10	Indian History
18.	16BT60441	Pattern Recognition
19.	16BT60502	Soft Computing
20.	16BT6HS11	Personality Development
21.	16BT6HS13	Philosophy of Education
22.	16BT6HS13	Public Administration
23.	16BT60112	Building Maintenance and Repair
24.	16BT70413	Introduction to Nanoscience and Nanotechnology
25.	16BT71207	E-commerce
26.	16BT71209	Machine Learning
27.	16BT71508	Internet of Things
28.	16BT71231	Big Data Technologies Lab


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Information Technology

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19BT1BS02	Biology for Engineers
2.	19BT1AC01	Spoken English
3.	19BT31232	Software Engineering Lab
4.	19BT315AC	Design Thinking
5.	19BT40531	Computer Networks Lab
6.	19BT4HS05	Gender & Environment
7.	19BT4HS09	Life Skills
8.	19BT4HS11	Professional Ethics
9.	19BT40107	Sustainable Engineering
10.	19BT4HS12	Women Empowerment
11.	19BT4BS01	Material Science
12.	19BT51207	AI in Healthcare
13.	19BT5MC01	Universal Human Values
14.	19BT50501	Advanced Computer Architecture
15.	19BT60504	Full Stack Development
16.	19BT61203	Semantic Web and Social Networks
17.	19BT61506	User Interface Design
18.	19BT61204	Information Security and Management
19.	19BT61206	Intrusion Detection Systems
20.	19BT61531	Internet of Things Lab
21.	19BT71503	Deep Learning

S. No.	Course Code	Name of the course
22.	19BT71201	Data Analytics
23.	19BT71204	Computer Forensics
24.	19BT71205	Decision Support and Intelligent Systems
25.	19BT71206	System and Network Administration
26.	19BT70501	Augmented Reality and Virtual Reality
27.	19BT70503	Blockchain Technologies
28.	19BT71504	High Performance Computing
29.	19BT71207	Game Development
30.	19BT71231	Data Analytics Lab
31.	19BT7AC05	Data Science and Applications

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Sree Sainath Nagar, Tirupati

Department of Information Technology


LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Information Technology

Regulations: SVEC-20

S. No.	Course Code	Name of the course
1.	20BT31232	Programming with Python Lab
2.	20BT50531	Python for Data Science Lab
3.	20BT61204	Web Development using Angular and Bootstrap
4.	20BT61232	AI Tools Lab
5.	20BT61233	Advanced Web Development Lab
6.	20BT71209	Digital and Social Media Marketing
7.	20BT71233	Augmented Reality and Virtual Reality Applications Lab
8.	20BT712AC	Deep Learning Technologies


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Systems Engineering

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14BT6HS01	Banking and Insurance
2.	14BT6HS02	Cost Accounting and Financial Management
3.	14BT6HS03	Entrepreneurship for Micro, Small and Medium Enterprises
4.	14BT70106	Environmental Pollution and Control
5.	14BT70107	Contract Laws and Regulations
6.	14BT70108	Planning for Sustainable Development
7.	14BT70109	Rural Technology
8.	14BT60305	Artificial Intelligence and Robotics
9.	14BT60306	Global Strategy and Technology
10.	14BT60307	Intellectual Property Rights and Management
11.	14BT60308	Managing Innovation and Entrepreneurship
12.	14BT60309	Material Science
13.	14BT71501	Embedded System Programming
14.	14BT71503	Kernel Programming
15.	14BT71504	Simulation and Modeling
16.	14BT71505	Real Time Systems
17.	14BT70503	Advanced Computer Architecture
18.	14BT70502	Mobile Computing
19.	14BT81203	.Net Technologies
20.	14BT71201	Mobile Application Development
21.	14BT80502	Big Data



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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Systems Engineering

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16BT51502	Systems Software
2.	16BT51503	Intelligent Computing Systems
3.	16BT51531	Systems Software Lab
4.	16BT61504	Windows Programming
5.	16BT61505	Bio-Informatics
6.	16BT71502	Systems Engineering
7.	16BT71503	Data Analytics
8.	16BT71507	Business Analytics
9.	16BT71508	Internet of Things
10.	16BT71509	Secure Software Engineering
11.	16BT71531	System Modeling and Simulation Lab
12.	16BT2BS01	Transformation Techniques and Partial Differential Equations
13.	16BT4HS31	Soft Skills Lab
14.	16BT6HS05	French Language
15.	16BT6HS06	German Language
16.	16BT6HS07	Indian Constitution
17.	16BT6HS08	Indian Economy
18.	16BT6HS09	Indian Heritage and Culture
19.	16BT6HS10	Indian History
20.	16BT6HS11	Personality Development
21.	16BT6HS13	Philosophy of Education
22.	16BT6HS13	Public Administration
23.	16BT60112	Building Maintenance and Repair
24.	16BT30503	Python Programming
25.	16BT60502	Soft Computing
26.	16BT60503	Wireless Networks
27.	16BT21201	Object Oriented Programming through C++
28.	16BT21232	Object Oriented Programming Lab
29.	16BT31231	Java Programming Lab
30.	16BT70413	Introduction to Nanoscience and Nanotechnology


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Systems Engineering

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19BT21501	Object Oriented Programming Through Java
2.	19BT21531	Object Oriented Programming Through Java Lab
3.	19BT31501	Data Structures And Algorithms
4.	19BT31503	System Programming
5.	19BT31531	Data Structures And Algorithms Lab
6.	19BT31532	Operating Systems Lab
7.	19BT31533	Workshop In Computer Science And Systems Engineering
8.	19BT315AC	Design Thinking
9.	19BT41531	Design And Analysis Of Algorithms Lab
10.	19BT51501	Modern Cryptography
11.	19BT51502	Natural Language Processing
12.	19BT51503	Parallel Computer Architectures
13.	19BT51504	Performance Evaluation of Computer Systems
14.	19BT51505	Software Testing
15.	19BT61501	Data Visualization Techniques
16.	19BT61502	Information Security
17.	19BT61503	Parallel and Distributed Systems
18.	19BT61505	Systems Reliability
19.	19BT61506	User Interface Design
20.	19BT71501	System Simulation and Modeling
21.	19BT71502	Computational Statistics
22.	19BT71503	Deep Learning
23.	19BT71504	High Performance Computing
24.	19BT715AC	Kernel Programming


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LIST OF NEW COURSES INTRODUCED

Program: B.Tech.- Computer Science and Systems Engineering

Regulations: SVEC-20

S. No.	Course Code	Name of the course
1.	19BT51507	Digital Forensics
2.	19BT51508	Malware and Risk Analysis
3.	19BT51532	Digital Forensics Lab
4.	19BT61507	Cloud security
5.	19BT61508	Network Anomaly Detection Systems
6.	19BT61509	IoT Security
7.	19BT61533	Network Anomaly Detection Systems Lab
8.	19BT71505	Software Security
9.	19BT71506	Database and Web Security
10.	19BT71533	Database and Web Security Lab


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Department of Computer Science and Engineering

LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Computer Science

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16MT10505	Computer Vision
2.	16MT10507	Internet of Things
3.	16MT22504	Software Testing Techniques
4.	16MT20502	Big Data Analytics
5.	16MT20531	Cloud Computing and Big Data Analytics Lab
6.	16MT23810	Intellectual Property Rights


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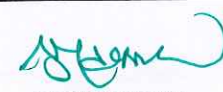
LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Computer Science

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19MT10503	Mathematical Foundations of Computer Science
2.	19MT26302	Wireless Sensor Networks
3.	19MT10504	Artificial Intelligence
4.	19MT10506	Image Processing
5.	19MT10508	High Performance Computing
6.	19MT10509	Machine Learning
7.	19MT10531	Advanced Algorithms Lab
8.	19MT1AC01	Technical Report Writing
9.	19MT20501	Data Science
10.	19MT20503	Artificial Neural Networks and Deep Learning
11.	19MT20505	Data Preparation and Analysis
12.	19MT20506	Cyber Security
13.	19MT20507	Recommender Systems
14.	19MT20508	Soft Computing
15.	19MT20509	Virtual Reality and Augmented Reality
16.	19MT20531	Data Science Lab
17.	19MT20532	Web Technologies Lab
18.	19MT2AC01	Statistics with R


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Electrical Power Systems

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16MT10702	High Voltage Engineering
2.	16MT10706	EHVAC Transmission
3.	16MT10731	High Voltage Engineering Lab
4.	16MT13808	Research Methodology
5.	16MT20732	Power Systems Simulation-II lab
6.	16MT23810	Intellectual Property Rights


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Electrical Power Systems

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19MT10702	Power Electronics for Power Systems
2.	19MT18304	Control System Design
3.	19MT18307	Electromagnetic Field Computation and Modeling
4.	19MT10705	Digital Signal Processing
5.	19MT10708	Research Methodology and IPR
6.	19MT1AC01	Technical Report Writing
7.	19MT28305	Solar Energy Conversion Systems
8.	19MT20704	Power System Automation
9.	19MT28309	Wind Energy Conversion Systems
10.	19MT2AC01	Statistics with R


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Software Engineering

Regulations: SVEC-16

S. No	Course Code	Name of the course
1.	16MT12508	Software Reliability and Reuse
2.	16MT12531	Advanced Software Engineering Lab-1
3.	16MT12532	Cloud Computing Lab
4.	16MT22504	Software Testing Techniques
5.	16MT22531	Advanced Software Engineering Lab-2
6.	16MT22532	Big Data Technologies Lab


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Software Engineering

Regulations: SVEC-19

S. No	Course Code	Name of the course
1.	19MT12501	Advanced Software Engineering
2.	19MT12503	Mobile Application Development
3.	19MT12504	Information Retrieval Systems
4.	19MT12505	Python Programming
5.	19MT12506	User Interface Design
6.	19MT12508	Information Security
7.	19MT12532	Mobile Application Development Lab
8.	19MT22501	Full Stack Technologies
9.	19MT22503	Advanced Databases
10.	19MT22504	.Net Technologies
11.	19MT22506	Software Quality Assurance
12.	19MT22531	Full Stack Technologies Lab
13.	19MT22532	Software Architecture and Design Patterns Lab


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.-Digital Electronics and Communication Systems

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16MT13804	Image & Video Processing
2.	16MT20501	Advanced Computer Architecture
3.	16MT12541	Soft Computing Techniques
4.	16MT13806	ASIC Design
5.	16MT13832	Image & Video Processing Lab
6.	16MT13808	Research Methodology
7.	16MT23809	Speech Processing
8.	16MT23832	Embedded Systems Lab
9.	16MT23810	Intellectual Property Rights


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Digital Electronics and Communication Systems

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19MT13801	Advanced Digital Signal Processing
2.	19MT15708	Low Power CMOS VLSI Design
3.	19MT13806	Adaptive Signal Processing
4.	19MT13807	RF Circuit Design & Microwave Devices
5.	19MT13832	Communications and Signal Processing Lab
6.	19MT1AC01	Technical Report Writing
7.	19MT23802	MIMO System
8.	19MT26305	Internet of Things
9.	19MT23804	Software Defined Radio
10.	19MT23832	VLSI Design Verification and Testing Lab
11.	19MT2AC01	Statistics with R


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- VLSI

Regulations: SVEC-16

S. No	Course Code	Name of the course
1.	16MT23808	Real Time Systems
2.	16MT15708	RFIC Design
3.	16MT13808	Research Methodology
4.	16MT25703	Nanoelectronics
5.	16MT25708	System-on-Chip Design and Verification
6.	16MT25732	Nanoelectronics Lab
7.	16MT23810	Intellectual Property Rights


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Department of Electronics and Communication Engineering

LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- VLSI

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19MT15708	Low Power CMOS VLSI Design
2.	19MT1AC01	Technical Report Writing
3.	19MT25701	Nano Materials and Nanotechnology
4.	19MT25704	Memory Technologies
5.	19MT25706	Communication Buses and Interfaces
6.	19MT25707	Network-on-Chip Design
7.	19MT25731	Physical Design Automation Lab
8.	19MT2AC01	Statistics with R


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Communication Systems

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16MT16132	RF Circuits & Optical Communications lab
2.	16MT13808	Research Methodology
3.	16MT13804	Image & Video Processing
4.	16MT26102	Smart Antennas
5.	16MT23809	Speech Processing
6.	16MT13832	Image & Video Processing Lab
7.	16MT23810	Intellectual Property Rights


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Communication Systems

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19MT13807	RF Circuit Design & Microwave Devices
2.	19MT1AC01	Technical Report Writing
3.	19MT23802	MIMO System
4.	19MT26305	Internet of Things
5.	19MT26102	Pattern Recognition
6.	19MT2AC01	Statistics with R


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Computer Networks and Information Security

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16MT16302	Ethical Hacking
2.	16MT10507	Internet of Things
3.	16MT20502	Big Data Analytics
4.	16MT26302	Network Programming
5.	16MT10506	Information Retrieval Systems
6.	16MT26306	Social Networks
7.	16MT20531	Cloud Computing & Big Data Analytics Lab
8.	16MT23810	Intellectual property Rights


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.- Computer Networks and Information Security

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19MT10501	Advanced Algorithms
2.	19MT10502	Advanced Data Structures
3.	19MT10503	Mathematical Foundations of Computer Science
4.	19MT10504	Artificial Intelligence
5.	19MT16302	Network Intrusion Detection Systems
6.	19MT10509	Machine Learning
7.	19MT16305	Malware and Risk Analysis
8.	19MT10531	Advanced Algorithms Lab
9.	19MT10532	Advanced Data Structures Lab
10.	19MT1AC01	Technical Report Writing
11.	19MT26302	Wireless Sensor Networks
12.	19MT20503	Artificial Neural Networks and Deep Learning
13.	19MT26304	GPU Computing
14.	19MT20508	Soft Computing
15.	19MT26306	Blockchain Technologies
16.	19MT26307	Secure Software Design and Enterprise Computing
17.	19MT26308	Software Defined Networks
18.	19MT26332	Wireless Sensor Networks Lab
19.	19MT2AC01	Statistics with R


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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.-Power Electronic Drives

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16MT1BS01	Applied Mathematics
2.	16MT18304	Modelling of Electrical Machines
3.	16MT18305	Electric and Hybrid-Electric Vehicles
4.	16MT18306	Intelligent Controllers
5.	16MT18331	Power Electronics Design Lab
6.	16MT13808	Research Methodology
7.	16MT28301	Linear and Nonlinear Control Systems
8.	16MT28305	Special Electrical Machines
9.	16MT28331	Electric Drives Lab
10.	16MT23810	Intellectual Property



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LIST OF NEW COURSES INTRODUCED

Program: M.Tech.-Power Electronic Drives

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19MT18304	Control System Design
2.	19MT10705	Digital Signal Processing
3.	19MT18307	Electromagnetic Field Computation and Modeling
4.	19MT10708	Research Methodology and IPR
5.	19MT1AC01	Technical Report Writing
6.	19MT28301	Digital Control of Power Electronics and Drive Systems
7.	19MT28303	Advanced Power Electronic Circuits
8.	19MT28304	Multilevel Inverters
9.	19MT28305	Solar Energy Conversion Systems
10.	19MT28308	Switched Mode Power Supplies and UPS
11.	19MT28309	Wind Energy Conversion Systems
12.	19MT2AC01	Statistics with R


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LIST OF NEW COURSES INTRODUCED

Program: MCA- Master of Computer Applications

Regulations: SVEC-14

S. No.	Course Code	Name of the course
1.	14MC1HS02	Professional Communication
2.	14MC2HS01	Professional Ethics
3.	14MC40103	Big Data Analytics
4.	14MC40106	User Interface Design
5.	14MC40107	Design Patterns
6.	14MC40109	Social Media
7.	14MC4HS01	Business Communication And Presentation Skills
8.	14MC50102	Software Testing
9.	14MC50103	Cloud Computing
10.	14MC50104	Mobile Application Development
11.	14MC50105	Unix Internals
12.	14MC50107	Network Management
13.	14MC50108	Business Intelligence
14.	14MC50109	Enterprise Resource Planning
15.	14MC50121	Information Security Lab
16.	14MC50122	Software Testing Lab


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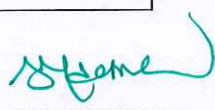
LIST OF NEW COURSES INTRODUCED

Program: MCA- Master of Computer Applications

Regulations: SVEC-16

S. No.	Course Code	Name of the course
1.	16MC1HS31	English Language Laboratory
2.	16MC30133	Object Oriented Analysis and Design Lab
3.	16MC40102	LINUX Programming
4.	16MC40104	Service Oriented Architecture
5.	16MC40105	Internet of Things
6.	16MC40106	Computer Forensics
7.	16MC40110	Wireless Networks
8.	16MC4HS31	Soft Skills Laboratory
9.	16MC40131	Big Data Analytics Lab
10.	16MC50101	Cloud Computing
11.	16MC50104	Software Quality Assurance
12.	16MC50105	Semantic Web
13.	16MC50109	Bioinformatics
14.	16MC50110	Ethical Hacking
15.	16MC50131	Cloud Computing Lab


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LIST OF NEW COURSES INTRODUCED

Program: MCA- Master of Computer Applications

Regulations: SVEC-19

S. No.	Course Code	Name of the course
1.	19MC20104	Software Engineering
2.	19MC30103	Python Programming
3.	19MC30133	Python Programming Lab
4.	19MC40104	Blockchain Technologies
5.	19MC40109	Artificial Intelligence
6.	19MC40110	Cyber Security
7.	19MC40111	Service Oriented Architecture
8.	19MC50104	Data Visualization
9.	19MC50105	.Net Technologies
10.	19MC50106	Social Networks
11.	19MC50109	Machine Learning
12.	19MC50111	Software Security


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LIST OF NEW COURSES INTRODUCED

Program: MCA- Master of Computer Applications

Regulations: SVEC-20

s. No.	Course Code	Name of the course
1.	20MC20106	R Programming
2.	20MC20107	Software Architecture And Design Patterns
3.	20MC20110	Mobile Application Development
4.	20MC20111	Programming with C#
5.	20MC20132	LINUX Programming Lab
6.	20MC30106	DevOps Application Development
7.	20MC30107	Programming with AngularJS
8.	20MC30110	Full Stack Development
9.	20MC30112	Programming in Ruby
10.	20MC30113	User Interface Design
11.	20MC3AC01	Server Side Development with NodeJS Lab


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