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SAMSKRUTI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Sponsored by St. VINCENT EDUCATIONAL SOCIETY)

Regd. No. 5782/2000



(Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)

Kondapur Village, Ghatkesar Mandal, Medchal District (Old R.R. Dist) - 501 301. T.S

List of Courses in Experiential learning

2016-2017

S.NO	Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship
1	B.Tech- CE	O1	Engineering Mechanics
2			Engineering Graphics
4			Strength of Materials-I
5			Surveying
7			Fluid Mechanics
8			Surveying lab-I
10			Strength of Materials lab
11			Strength of Materials -II
13			Hydraulics & Hydraulic Machinery
14			Structural Analysis -I
16			Building Materials, Construction & Planning
17			Computer Aided Drafting of Buildings
19			Surveying Lab-II
20			Concrete Technology
22			Reinforced Concrete Structures Design and Drawing
23			Engineering Geology
25			Geotechnical Engineering
26			Water Resources Engineering - I
28			Disaster Management
29			Fluid Mechanics & Hydraulic Machinery Lab
31			Engineering Geology Lab
32			Steel Structures Design and Drawing
34			Environmental Engineering
35			Transportation Engineering - I
37			Foundation Engineering
38			Structural Analysis -II

Principal

Samskruti College of Engg. & Technology
Kondapur (V), Ghatkesar (M), Medchal Dist

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40			Elements of Earthquake Engineering
41			Ground Improvement Techniques
43			Ground Water Hydrology
44			Environmental Impact Assessment
46			Geotechnical Engineering Lab
47			Remote Sensing & GIS
49			Transportation Engineering - II
50			Estimating & Costing
52			Water Resources Engineering - II
53			Finite Element Methods
55			Advanced Foundation Engineering
56			Watershed Management
58			Air Pollution and Control
59			Advanced Structural Design
61			Earth and Rock fill Dams and Slope Stability
62			Water Resources Systems Analysis
64			Industrial Waste Water Treatment
65			Concrete & Highway Materials Lab
67			Environmental Engineering Lab
68			Rehabilitation and Retrofitting of Structures
70			Geo-Environmental Engineering
71			Design and Drawing of Irrigation Structures
73			Solid Waste Management
74			Prestressed concrete structures
76			Construction Management
77			Industry oriented Mini Project
79			Seminar
80			Project Work
82			Comprehensive viva
83	B.Tech- EEE	O2	Basic Electrical and Electronics Engineering
85			Electrical Circuits
86			Electromagnetic Fields
88			Electrical Machines-I
89			Electronic Devices & Circuit Labs
91			Power Systems -I
92			Network Theory
94			Electrical Machines-II

95			Electrical Machines Lab -I
97			Power Systems -II
98			Control Systems
100			Power Electronics
101			Electrical Machines - III
103			Electrical Machines Lab -II
104			Electrical and Electronics Instrumentation
106			Static Drives
107			Computer Methods in Power Systems
109			Control Systems and Simulation Lab
110			Power Electronics and Simulation Lab
112			Switch Gear and Protection
113			Utilization of Electrical Energy
115			Power System Operation and Control
116			High Voltage Engineering
118			Electrical Distribution Systems
119			Fundamentals of HVDC and FACTS Devices
121			EHV AC Transmission
122			Industry Oriented Mini Project
124			Seminar
125			Project Work
127			Comprehensive Viva Voice
128			Engineering Mechanics
130			Engineering Graphics
131			Engineering Workshop
133			Mechanics of Solids
134			Thermodynamics
136			Metallurgy and Materials Science
137			Metallurgy & Mechanics of Solids Lab
139			Production Technology
140			Kinematics of Machinery
142			Thermal Engineering -I
143			Mechanics of Fluids and Hydraulic Machines
145			Machine Drawing
146			Production Technology Lab
148			Mechanics of Fluids & Hydraulic Machines Lab
149			Engineering Metrology
151			Dynamics of Machinery
	B.Tech- ME	O3	

152			Machine Tools
154			Design of Machine Members- I
155			Thermal Engineering -II
157			Machine Tools & Metrology Lab
158			Thermal Engineering Lab
160			Automobile Engineering
161			Finite Element Methods
163			Refrigeration and Air Conditioning
164			Design of Machine Members - II
166			Heat Transfer
167			Heat Transfer Lab
169			Power Plant Engineering
170			CAD/CAM
172			Instrumentation and Control Systems
173			Robotics
175			Mechanical Vibrations
176			Mechatronics
178			Mechanics of Composite Materials
179			Industrial Management
181			Unconventional Machining Processes
182			CNC Technology
184			Automation in Manufacturing
185			Design for Manufacturing
187			Nanotechnology
188			Computer Aided Design & Manufacturing Lab
190			Production Drawing Practice and Instrumentation Lab
191			Production Planning and Control
193			Renewable Energy Sources
194			Jet Propulsion & Rocket Engineering
196			Computational Fluid Dynamics
197			Gas Dynamics
199			Industry Oriented Mini Project
200			Seminar
202			Project Work
203			Comprehensive Viva
205	B.Tech- ECE	04	Probability Theory and Stochastic Processes
206			Switching Theory and Logic Design

208		Electronic Devices and Circuits
209		Signals and Systems
211		Electronic Devices and Circuits Lab.
212		Basic Simulation Lab
214		Electronic Circuit Analysis
215		Pulse and Digital Circuits
217		Electromagnetic Theory and Transmission Lines
218		Digital Design using Verilog HDL
220		Electronic Circuits and Pulse Circuits Lab
221		Control Systems Engineering
223		Antennas and Wave Propagation
224		Analog Communications
226		Linear and Digital IC Applications
227		Analog Communications Lab
229		IC Applications and HDL Simulation Lab
230		Digital Communications
232		VLSI Design
233		Microprocessors and Microcontrollers
235		Digital Signal Processing
236		Microprocessors and Microcontrollers Lab
238		Digital Signal Processing Lab
239		Microwave Engineering
241		Cellular and Mobile Communications
242		Digital Image Processing
244		Television Engineering
245		Optical Communications
247		Embedded Systems Design
248		Microwave Engineering and Digital Communications Lab
250		Satellite Communications
251		Telecommunication Switching Systems and Networks
253		Radar Systems
254		Wireless Communications and Networks
256		Digital Signal Processors and Architectures
257		RF Circuit Design
259		Industry Oriented Mini Project
260		Seminar
262		Major Project Work

263	B.Tech- CSE	05	Computer Programming in C
265			Computer Programming in C Lab
266			Data Structures
268			Data Structures Lab
269			Computer Organization
271			Database Management Systems
272			Java Programming
274			Formal Languages and Automata Theory
275			Design and Analysis of Algorithms
277			Java Programming Lab
278			Database Management Systems Lab
280			Principles of Programming Languages
281			Software Engineering
283			Compiler Design
284			Operating Systems
286			Computer Networks
287			Operating Systems Lab
289			Compiler Design Lab
290			Distributed Systems
292			Information Security
293			Object Oriented Analysis and Design
295			Software Testing Methodologies
296			Web Technologies
298			Case Tools and Web Technologies Lab
299			Linux Programming
301			Design Patterns
302			Data Warehousing and Data Mining
304			Cloud Computing
305			Software Project Management
307			Image processing and Pattern Recognition
308			Mobile Computing
310			Machine Learning
311	Soft Computing		
313	Information Retrieval Systems		
314	Artificial Intelligence		
316	Computer Forensics		
317	Linux Programming Lab		
319	Data Warehousing and Mining Lab		
320	Web Services		
322	Semantic Web and Social Networks		

323			Scripting Languages
325			Multimedia & Rich Internet Applications
326			Ad hoc and Sensor Networks
328			Storage Area Networks
329			Database Security
331			Industry Oriented Mini Project
332			Seminar
334			Project Work
335			Comprehensive Viva
337	MBA	EO	Management and Organisational Behaviour
338			Business Laws & Business Environment
340			Managerial Economics
341			Financial Accounting & Analysis
343			Statistics for Management
344			Cross Culture Management
346			WTO & IPR
347			Total Quality Management
349			Project Management
350			Business Communication- Seminar
352			Human Resource Management
353			Marketing Management
355			Financial Management
356			Quantitative Analysis for Business Decisions
358			MIS & ERP
359			Foreign Trade
361			Banking, Insurance & Risk Management
362			Logistics & Supply Chain Management
364			MSME Management
365			Summer Internship - Seminar
367			Production & Operations Management
368			Strategic Management
370	Research Methodology		
371	Personal Effectiveness - Seminar		
373	Business Best Practices and Success		
374	Stories of Emerging Leaders - Seminar		
376	Entrepreneurship		
377	Management of Technology		
379	Pre Submission of Project –Seminar		
380			Comprehensive Viva

382		Project
383		Consumer Behaviour
385		Sales and Distribution
386		Integrated Marketing Communications
388		Retailing Management
389		Services Marketing
391		International Marketing
392		Strategic Management Accounting
394		Security Analysis and Portfolio Management
395		Finance Institutions, Markets & Services
397		Strategic Investment and Financing Decisions
398		International Financial Management
400		Financial Derivatives
401		Performance Management
403		Training and Development
404		Management of Industrial Relations
406		Compensation & Reward Management
407		International Human Resource Management
409		Leadership & Change Management
410		Business Intelligence
412		Database Management Systems
413		Decision Support Systems
415		E-Business
416		Knowledge Management
418		Information Systems, Control And Audit



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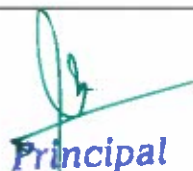
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2017-2018

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1	B.Tech-CE	O1	Engineering Mechanics
2			Engineering Graphics
3			Strength of Materials - I
4			Fluid Mechanics - I
5			Building Materials, Construction and Planning
6			Surveying
7			Strength of Material Lab
8			Computer Aided Drafting Lab
9			Surveying Lab - I
10			Strength of Material - II
11			Fluid Mechanics - II
12			Structural Analysis
13			Engineering Geology
14			Fluid Mechanics Lab
15			Surveying Lab - II
16			Engineering Geology Lab
17			Concrete Technology
18			Reinforced Concrete Structures Design and Drawing
19			Engineering Geology
20			Geotechnical Engineering
21			Water Resources Engineering-I
22			Disaster Management
23			Fluid Mechanics & Hydraulic Machinery Lab
24			Engineering Geology Lab
25			Steel Structures Design and Drawing
26			Environmental Engineering
27			Transportation Engineering -I
28			Foundation Engineering
29			Structural Analysis -II
30			Elements of Earthquake Engineering
31			Ground Improvement Techniques

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32			Ground Water Hydrology
33			Environmental Impact Assessment
34			Geotechnical Engineering Lab
35			Remote Sensing & GIS
36			Transportation Engineering -II
37			Estimating & Costing
38			Water Resources Engineering-II
39			Finite Element Methods
40			Advanced Foundation Engineering
41			Watershed Management
42			Air Pollution and Control
43			Advanced Structural Design
44			Earth and Rock fill Dams and Slope Stability
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51			Design and Drawing of Irrigation Structures
52			Solid Waste Management
53			Prestressed Concrete Structures
54			Construction Management
55			Industry Oriented Mini project
56			Project Work
57			Comprehensive viva
58			Seminar
59			Basic Electrical and Electronics Engineering
60			Electromagnetic Fields
61			Electrical Machines-I
62			Network Theory
63			Electronic Circuits
64			Electrical Machines Lab - I
65	B.Tech- EEE	02	Networks Lab
66			Power Systems - I
67			Electrical Machines – II
68			Control Systems
69			Control Systems Lab
70			Electrical Machines Lab - II
71			Electronic Circuits Lab
72			Power Systems-II



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73		Control Systems	
74		Power Electronics	
75		Electrical Machines-III	
76		Electrical Machines lab –II	
77		Electrical and Electronics Instrumentation	
78		Static Drives	
79		Computer Methods in Power Systems	
80		Control Systems and Simulation Lab	
81		Power Electronics and Simulation Lab	
82		Switch Gear and Protection	
83		Utilization of Electrical Energy	
84		Power System Operation and Control	
85		High Voltage Engineering	
86		Electrical Distribution Systems	
87		Electrical Measurements Lab	
88		Fundamentals of HVDC and FACTS Devices	
89		EHV AC Transmission	
90		Industry Oriented Mini Project	
91		Seminar	
92		Project Work	
93		Comprehensive Viva-Voce	
94	B.Tech- ME	O3	Engineering Mechanics
95			Engineering Graphics
96			Engineering Workshop
97			Thermodynamics
98			Kinematics of Machinery
99			Metallurgy and Material Science
100			Mechanics of Solids
101			Fuels and Lubricants Lab
102			Mechanics of Solids Lab
103			Metallurgy and Material Science Lab
104			Dynamics of Machinery
105			Fluid Mechanics and Hydraulic Machines
106			Machine Drawing
107			Manufacturing Process
108			Kinematics and Dynamics Lab
109			Fluid Mechanics and Hydraulic Machines Lab
110			Manufacturing Process Lab
111			Engineering Metrology
112			Dynamics of Machinery
113			Machine Tools

114		Design of Machine Members – I	
115		Thermal Engineering -II	
116		Machine Tools & Metrology Lab	
117		Thermal Engineering Lab	
118		Automobile Engineering	
119		Finite Element Methods	
120		Refrigeration and Air Conditioning	
121		Design of Machine Members – II	
122		Heat Transfer	
123		Heat Transfer Lab	
124		Power Plant Engineering	
125		CAD/CAM	
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135		Nanotechnology	
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138		Production Planning and Control	
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141		Jet Propulsion & Rocket Engineering	
142		Computational Fluid Dynamics	
143		Gas Dynamics	
144		Industry Oriented Mini Project	
145		Seminar	
146		Project Work	
147		Comprehensive Viva	
148	B.Tech- ECE	O4	Analog Electronics
149			Signals and Stochastic Process
150			Network Analysis
151			Electronic Devices and Circuits Lab
152			Basic Simulation Lab
153			Switching Theory and Logic Design
154			Pulse and Digital Circuits

155			Control Systems
156			Analog Communications
157			Analog Communications Lab
158			Pulse and Digital Circuits Lab
159			Analog Electronics Lab
160			Control Systems Engineering
161			Antennas and Wave Propagation
162			Analog Communications
163			Linear and Digital IC Applications
164			Analog Communications Lab
165			IC Applications and HDL Simulation Lab.
166			Digital Communications
167			VLSI Design
168			Microprocessors and Microcontrollers
169			Digital Signal Processing
170			Microprocessors and Microcontrollers Lab.
171			Digital Signal Processing Lab.
172			Microwave Engineering
173			Cellular and Mobile Communications
174			Digital Image Processing
175			Television Engineering
176			Optical Communications
177			Embedded Systems Design
178			Microwave Engineering and Digital Communications Lab
179			Satellite Communications
180			Telecommunication Switching Systems and Networks
181			Radar Systems
182			Wireless Communications and Networks
183			Digital Signal Processors and Architectures
184			RF Circuit Design
185			Industry Oriented Mini Project
186			Seminar
187			Major Project Work
188	B.Tech- CSE	05	Computer Programming in C
189			Computer Programming in C Lab
190			Data Structures through C++
191			Object Oriented Programming through Java
192			Data Structures through C++ Lab
193			IT Workshop

194	Object Oriented Programming through Java Lab
195	Computer Organization
196	Database Management Systems
197	Operating Systems
198	Formal Languages and Automata Theory
199	Computer Organization Lab
200	Database Management Systems Lab
201	Operating Systems Lab
202	Principles of Programming Languages
203	Software Engineering
204	Compiler Design
205	Operating Systems
206	Computer Networks
207	Operating Systems Lab
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234	Database Security

235		Industry Oriented Mini Project
236		Seminar
237		Project Work
238	MBA	Management and Organisational Behaviour
239		Business Economics
240		Financial Accounting & Analysis
241		Business Statistics
242		6A Business Research Methodology
243		6B Project Management
244		6C Technology Management
245		6D Rural Marketing
246		Human Resource Management
247		Marketing Management
248		Financial Management
249		Quantitative Analysis for Business Decisions
250		Entrepreneurship
251		Total Quality Management
252		Corporate Governance
253		International Business
254		Supply Chain Management
255		Summer Internship
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257		Strategic Management
258		Research Methodology
259		Personal Effectiveness - Seminar
260		Business Best Practices and Success
261		Stories of Emerging Leaders - Seminar
262		ENTREPRENUERSHIP
263		Management of Technology
264		Pre Submission of Project –Seminar
265		Comprehensive Viva
266		Project
267		Consumer Behaviour
268		Sales and Distribution
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274	Security Analysis and Portfolio Management	

275	Finance Institutions, Markets & Services
276	Strategic Investment and Financing Decisions
277	International Financial Management
278	Financial Derivatives
279	Performance Management
280	Training and Development
281	Management of Industrial Relations
282	Compensation & Reward Management
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6			Surveying
7			Strength Of Material Lab
8			Computer Aided Drafting Lab
9			Surveying-I
10			Strength Of Material -II
11			Fluid Mechanics-II
12			Structural Analysis
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16			Engineering Geology Lab
17			Concrete Technology
18			Design OF Reinforced Concrete Structures
19			Water Resources Engineering
20			Concrete Technology Lab
21			Geographical Information Systems Lab
22			Hydraulics and Hydraulic Machinery Lab
23			Design Of Steel Structures
24			Environmental Engineering
25			Soil Mechanics
26			Soil Mechanics Lab
27			Computer Aided Drafting -II Lab
28			Remote Sensing & GIS
29			Transportation Engineering -II
30			Estimating & Costing
31			Water Resources Engineering-II
32			Finite Element Methods

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33			Advanced Foundation Engineering
34			Watershed Management
35			Air Pollution and Control
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39			Industrial Waste Water Treatment
40			Concrete & Highway Materials Lab
41			Environmental Engineering Lab
42			Rehabilitation and Retrofitting of Structures
43			Geo-Environmental Engineering
44			Design and Drawing of Irrigation Structures
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46			Prestressed Concrete Structures
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48			Industry Oriented Mini project
49			Seminar
50			Project Work
51			Comprehensive viva
52			Basic Electrical Engineering
53			Electromagnetic Fields
54			Electrical Machines-I
55			Network Theory
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58			Networks Lab
59			Power Systems - I
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91			Metallurgy and Material Science
92			Mechanics of Solids
93			Fuels and Lubricants Lab
94			Mechanics of Solids Lab
95			Metallurgy and Material Science Lab
96			Dynamics of Machinery
97			Fluid Mechanics and Hydraulic Machines
98			Machine Drawing
99			Manufacturing Process
100	B.Tech- ME	03	Kinematics and Dynamics Lab
101			Fluid Mechanics and Hydraulic Machines Lab
102			Manufacturing Process Lab
103			Design of Machine Members - I
104			Thermal Engineering-I
105			Metrology and Machine Tools
106			Thermal Engineering Lab
107			Machine Tools Lab
108			Engineering Metrology Lab
109			Thermal Engineering –II
110			Design of Machine Members-II
111			Heat Transfer
112			Finite Element Methods
113			Refrigeration and Air Conditioning
114			Machine Tool Design

115			IC Engines and Gas Turbines
116			Heat Transfer Lab
117			CADD and MATLAB
118			Power Plant Engineering
119			CAD/CAM
120			Instrumentation and Control Systems
121			Robotics
122			Mechanical Vibrations
123			Mechatronics
124			Mechanics of Composite Materials
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126			CNC Technology
127			Automation in Manufacturing
128			Design for Manufacturing
129			Nanotechnology
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131			Production Drawing Practice and Instrumentation Lab
132			Production Planning and Control
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149			Control Systems
150			Analog Communications
151			Analog Communications Lab
152			Pulse and Digital Circuits Lab
153			Analog Electronics Lab
154			Electromagnetic Theory and Transmission Lines
155			Linear and Digital IC Applications

B.Tech-
ECE

O4

156			Digital Communications
157			Linear IC Applications Lab
158			Digital IC Applications Lab
159			Digital Communications Lab
160			Antennas and Wave Propagation
161			Microprocessors and Microcontrollers
162			Digital Signal Processing
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180			Major Project Work
181	B.Tech- CSE	05	Programming for Problem Solving
182			Programming for Problem Solving Lab
183			Data Structures through C++
184			Object Oriented Programming through Java
185			Data Structures through C++ Lab
186			IT Workshop
187			Object Oriented Programming through Java Lab
188			Computer Organization
189			Database Management Systems
190			Operating Systems
191			Formal Languages and Automata Theory
192			Computer Organization Lab
193			Database Management Systems Lab
194			Operating Systems Lab
195			Design and Analysis of Algorithms
196			Data Communication and Computer Networks

197			Software Engineering
198			Design and Analysis of Algorithms Lab
199			Computer Networks Lab
200			Software Engineering Lab
201			Compiler Design
202			Web Technologies
203			Cryptography and Network Security
204			Cryptography and Network Security Lab
205			Web Technologies Lab
206			Information Theory & Coding
207			Advanced Computer Architecture
208			Data Analytics
209			Image Processing
210			Principles of Programming Languages
211			Linux Programming
212			Design Patterns
213			Data Warehousing and Data Mining
214			Cloud Computing
215			Software Project Management
216			Image processing and Pattern Recognitio
217			Mobile Computing
218			Computer Graphics
219			Machine Learning
220			Soft Computing
221			Information Retrieval Systems
222			Artificial Intelligence
223			Computer Forensics
224			Linux Programming Lab
225			Data Warehousing and Mining Lab
226			Web Services
227			Semantic Web and Social Networks
228			Scripting Languages
229			Multimedia & Rich Internet Applications
230			Ad hoc and Sensor Networks
231			Storage Area Networks
232			Database Security
233			Industry Oriented Mini Project
234			Seminar
235			Project Work
236			Comprehensive Viva
237	MBA	EO	Management and Organisational Behaviour

238		Business Economics
239		Financial Accounting & Analysis
240		Business Statistics
241		Business Research
242		Methodology
243		Project Management
244		Technology Management
245		Rural Marketing
246		Human Resource Management
247		Marketing Management
248		Financial Management
249		Quantitative Analysis for Business Decisions
250		Entrepreneurship
251		Total Quality Management
252		Corporate Governance
253		International Business
254		Supply Chain Management
255		Summer Internship
256		Production & Operations Management
257		Management Information Systems
258		Data Analytics
259		Strategic Management
260		Pre Submission of Project Work
261		Comprehensive Viva-Voce
262		Main Project Viva-Voce
263		Digital Marketing
264		Advertising and Sales Management
265		Consumer Behaviour
266		Customer Relationship Management
267		International Marketing
268		Marketing of Services
269		Security Analysis and Portfolio Management
270		Financial Institutions, Markets & Services
271		Strategic Management Accounting
272		International Financial Management
273		Strategic Investment and Financing Decisions
274		Risk Management
275		Performance Management Systems
276		Learning and Development
277		Management of Industrial Relations
278		International Human Resource Management


Principal

279			Leadership and Change Management
280			Talent and Knowledge Management
281			Start up Management
282			MSME Management
283			Family Business Management
284			Entrepreneurial Finance
285			Entrepreneurial Marketing
286			Creativity Innovation and Entrepreneurship


Principal
 Samskruti College of Engg. & Technology
 Kundapur (V), Ghatakesar (M), Medchal Dist.



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(Sponsored by St. VINCENT EDUCATIONAL SOCIETY)

Regd. No. 5782/2000



(Approved by AICTE, New Delhi and Affiliated to JNTU, Hyderabad)

Kondapur Village, Ghatkesar Mandal, Medchal District (Old R.R. Dist) - 501 301. T.S

2019-2020

S.NO	Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship
1	B.Tech- CE	O1	Engineering Graphics
2			Engineering Mechanics
3			Surveying and Geomatics
4			Engineering Geology
5			Strength of Materials - I
6			Fluid Mechanics
7			Surveying Lab
8			Strength of Materials Lab
9			Engineering Geology Lab
10			Building Materials, Construction and Planning
11			Strength of Materials - II
12			Hydraulics and Hydraulic Machinery
13			Structural Analysis - I
14			Computer aided Civil Engineering Drawing
15			Hydraulics and Hydraulic Machinery Lab
16			Concrete Technology
17			Reinforced Concrete Structures Design and Drawing
18			Engineering Geology
19			Geotechnical Engineering
20			Water Resources Engineering-I
21			Disaster Management
22			Fluid Mechanics & Hydraulic Machinery Lab
23			Engineering Geology Lab
24			Steel Structures Design and Drawing
25			Environmental Engineering
26			Transportation Engineering -I
27			Foundation Engineering
28			Structural Analysis -II
29			Elements of Earthquake Engineering
30			Ground Improvement Techniques
31			Ground Water Hydrology
32			Environmental Impact Assessment

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Samskruti College of Engg. & Technology
Kondapur (V), Ghatkesar (M), Medchal Dist.

33		Geotechnical Engineering Lab	
34		Advanced Communication Skills Lab	
35		Remote Sensing & GIS	
36		Transportation Engineering -II	
37		Estimating & Costing	
38		Water Resources Engineering-II	
39		Finite Element Methods	
40		Advanced Foundation Engineering	
41		Watershed Management	
42		Air Pollution and Control	
43		Advanced Structural Design	
44		Earth and Rock fill Dams and Slope Stability	
45		Water Resources Systems Analysis	
46		Industrial Waste Water Treatment	
47		Concrete & Highway Materials Lab	
48		Environmental Engineering Lab	
49		Rehabilitation and Retrofitting of Structures	
50		Geo-Environmental Engineering	
51		Design and Drawing of Irrigation Structures	
52		Solid Waste Management	
53		Prestressed Concrete Structures	
54		Construction Management	
55		Industry Oriented Mini project	
56		Seminar	
57		Project Work	
58		Comprehensive viva	
59	B.Tech- EEE	O2	Basic Electrical Engineering
60			Electrical Circuit Analysis
61			Electrical Machines - I
62			Electromagnetic Fields
63			Electrical Machines Lab - I
64			Electrical Circuits Lab
65			Electrical Machines – II
66			Control Systems
67			Power System - I
68			Electrical Machines Lab - II
69			Control Systems Lab
70			Electrical Measurements & Instrumentation
71			Power Systems - II
72			Electrical Measurements & Instrumentation Lab
73			Basic Electrical simulation Lab

74		Power Systems Analysis
75		Power Electronics
76		Switch Gear and Protection
77		Electrical and Electronics Instrumentation
78		Power Systems Lab
79		Power Electronics Lab
80		Power System Operation and control
81		HVDC Transmission
82		Modern Power Electronics
83		Industry Oriented Mini project
84		Seminar
85		Electrical Workshop
86		Electrical Systems Simulation Lab
87		Electrical Distribution Systems
88		Major Project
89		Utilization of Electric Power
90	B.Tech- ME	Engineering Graphics
91		Engineering Mechanics
92		Engineering Workshop
93		Mechanics of Solids
94		Material Science and Metallurgy
95		Production Technology
96		Thermodynamics
97		Production Technology Lab
98		Machine Drawing Practice
99		Material Science and Mechanics of Solids LabME308PC
100		Kinematics of Machinery
101		Thermal Engineering - I
102		Fluid Mechanics and Hydraulic Machines
103		Instrumentation and Control Systems
104		Fluid Mechanics and Hydraulic Machines Lab
105		Instrumentation and Control Systems Lab
106		Design of Machine Members - I
107		Thermal Engineering-I
108		Metrology and Machine Tools
109		Thermal Engineering Lab
110		Machine Tools Lab
111		Engineering Metrology Lab
112		Thermal Engineering –II
113		Design of Machine Members-II
114		Heat Transfer



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115		Finite Element Methods	
116		Refrigeration and Air Conditioning	
117		Machine Tool Design	
118		IC Engines and Gas Turbines	
119		Heat Transfer Lab	
120		CADD and MATLAB	
121		CAD/CAM	
122		Instrumentation and Control System	
123		Composite materials	
124		Power Plant Engineering	
125		Computational Fluid Dynamics	
126		Robotics	
127		CNC Technology	
128		Mechanical Vibrations	
129		Turbo Machines	
130		Additive Manufacturing Technology	
131		CAD/CAM Lab	
132		Instrumentation and Control Systems Lab	
133		Industry Oriented Mini Project	
134		Seminar	
135		Automation in Manufacturing	
136		Fluid Power System	
137		Renewable Energy Sources	
138		Production Planning and Control	
139		Automobile Engineering	
140		Advanced Mechanics of Solids	
141		Unconventional Machining Processes	
142		Advanced Materials Technology	
143		Major Project	
144	B.Tech- ECE	O4	Electronic Devices and Circuits
145			Network Analysis and Transmission Lines
146			Digital System Design
147			Signals and Systems
148			Probability Theory and Stochastic Processes
149			Electronic Devices and Circuits Lab
150			Digital System Design Lab
151			Basic Simulation Lab
152			Electromagnetic Fields and Waves
153			Analog and Digital Communications
154			Linear IC Applications
155			Electronic Circuit Analysis

156		Analog and Digital Communications Lab
157		IC Applications Lab
158		Electronic Circuit Analysis Lab
159		Electromagnetic Theory and Transmission Lines
160		Linear and Digital IC Applications
161		Digital Communications
162		Linear IC Applications Lab
163		Digital IC Applications Lab
164		Digital Communications Lab
165		Antennas and Wave Propagation
166		Microprocessors and Microcontrollers
167		Digital Signal Processing
168		Digital Signal Processing Lab
169		Microprocessors and Microcontrollers Lab
170		Microwave Engineering
171		VLSI Design
172		VLSI and E-CAD Lab
173		Microwave Engineering Lab
174		Industry Oriented Mini Project
175		Seminar
176		Major Project
177	B.Tech- CSE	Programming for Problem Solving
178		Programming for Problem Solving Lab
179		Data Structures
180		Computer Organization and Architecture
181		Object Oriented Programming using C++
182		Data Structures Lab
183		C++ Programming Lab
184		Operating Systems
185		Database Management Systems
186		Java Programming
187		Operating Systems Lab
188		Database Management Systems Lab
189		Java Programming Lab
190		Design and Analysis of Algorithms
191		Data Communication and Computer Networks
192		Software Engineering
193		Design and Analysis of Algorithms Lab
194		Computer Networks Lab
195		Software Engineering Lab
196		Compiler Design

197		Web Technologies	
198		Cryptography and Network Security	
199		Mobile Computing	
200		Design Patterns	
201		Artificial Intelligence	
202		Information Security Management (Security Analyst - I)	
203		Introduction to Analytics (Associate Analytics - I)	
204		Web Technologies Lab	
205		Advanced English Communication Skills Lab	
206		Data Mining	
207		Principles of Programming Languages	
208		Python Programming	
209		Mobile Application Development	
210		Web Scripting Languages	
211		Internet of Things	
212		Graph Theory	
213		Distributed Systems	
214		Machine Learning	
215		Software Process and Project Management	
216		Computational Complexity	
217		Cloud Computing	
218		Blockchain Technology	
219		Social Network Analysis	
220		Data Mining Lab	
221		Python Programming Lab	
222		Mobile Application Development Lab	
223		Web Scripting Languages Lab	
224		Internet of Things Lab	
225		Industry Oriented Mini Project	
226		Seminar	
227		Information Theory & Coding	
228		Real-Time Systems	
229		Data Analytics	
230		Modern Software Engineering	
231		Advanced Algorithms	
232		Web Services and Service Oriented Architecture	
233		Computer Forensics	
234		Neural Networks and Deep Learning	
235		Major Project	
236	MBA	EO	Management and Organizational Behaviour
237			Business Economics



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238	Financial Accounting & Analysis
239	Research Methodology and Statistical Analysis
240	Legal and Business Environment
241	Business Ethics and Corporate Governance
242	Project Management
243	Technology Management
244	Cross Cultural Management
245	Human Resource Management
246	Marketing Management
247	Financial Management
248	Quantitative Analysis for Business Decisions
249	Entrepreneurship
250	Logistics & Supply Chain Management
251	Total Quality Management
252	Marketing Research
253	International Business
254	Rural Marketing
255	Production & Operations Management
256	Management Information Systems
257	Data Analytics
258	Strategic Management
259	Pre-submission project work
260	Comprehensive Viva-Voce
261	Main Project Viva-Voce
262	Digital Marketing
263	Advertising and Sales Management
264	Consumer Behaviour
265	Customer Relationship Management
266	International Marketing
267	Marketing of Services
268	Security Analysis and Portfolio Management
269	Financial Institutions, Markets & Services
270	Strategic Management Accounting
271	International Financial Management
272	Strategic Investment and Financing Decisions
273	Risk Management
274	Performance Management Systems
275	Learning and Development
276	Management of Industrial Relations
277	International Human Resource Management
278	Leadership and Change Management

279	Talent and Knowledge Management
280	Start up Management
281	MSME Management
282	Family Business Management
283	Entrepreneurial Finance
284	Entrepreneurial Marketing
285	Creativity Innovation and Entrepreneurship



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2020-2021

S.NO	Program name	Program code	Name of the Course that include experiential learning through project work/field work/internship
1	B.Tech-CE	01	Engineering Graphics
2			Engineering Mechanics
3			Surveying and Geomatics
4			Engineering Geology
5			Strength of Materials - I
6			Fluid Mechanics
7			Surveying Lab
8			Strength of Materials Lab
9			Engineering Geology Lab
10			Building Materials, Construction and Planning
11			Strength of Materials - II
12			Hydraulics and Hydraulic Machinery
13			Structural Analysis - I
14			Computer aided Civil Engineering Drawing
15			Hydraulics and Hydraulic Machinery Lab
16			Basic Electrical and Electronics Engineering Lab
17			Structural Analysis-II
18			Geotechnical Engineering
19			Structural Engineering –I (RCC)
20			Transportation Engineering
21			Concrete Technology
22			Theory of Elasticity
23			Rock Mechanics
24			Highway Engineering and Concrete Technology Lab
25			Geotechnical Engineering Lab
26			Hydrology & Water Resources Engineering
27			Environmental Engineering
28			Foundation Engineering
29			Structural Engineering –II (Steel)
30			Prestressed Concrete
31			Elements of Earth Quake Engineering

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Samskruti College of Engg. & Technology
Kondapur (V), Ghatkesar (M), Medchal Dist.

32			Advanced Structural Analysis
33			Environmental Engineering Lab
34			Computer Aided Design Lab
35			Transportation Engineering
36			Estimation Quantity Surveying and Valuation
37			Stochastic Hydrology.
38			Construction Technology and Management.
39			Foundation Engineering.
40			Rehabilitation and Retrofitting of Structures
41			Watershed Management.
42			Prestressed Concrete.
43			Ground Improvement Techniques.
44			Railway and Airport Engineering.
45			Traffic Engineering.
46			Bridge Engineering.
47			Soil Dynamics and Machine Foundation.
48			Irrigation and Hydraulic Structures.
49			Transportation Engineering Lab
50			Environmental Engineering Lab
51			Industry Oriented Mini Project
52			Seminar
53			Waste Management.
54			Pavement Design.
55			Elements of Earthquake Engineering.
56			Water Resources Systems Analysis.
57			Finite Element Methods for Civil Engineering.
58			Geoenvironmental Engineering.
59			Design and Drawing of Irrigation Structures.
60			Industrial Waste Water Treatment.
61			Major Project
62			BASIC ELECTRICAL ENGINEERING
63			ELECTRICAL CIRCUIT ANALYSIS
64			ELECTRICAL MACHINES - I
65			ELECTRICAL MACHINES LAB - I
66			Electrical Circuits Lab
67	B.Tech-EEE	O2	Electrical Machines – II
68			Control Systems
69			Power System - I
70			Electrical Machines Lab - II
71			Control Systems Lab
72			Power Electronics

73			Power System-II
74			Measurements and Instrumentation
75			High Voltage Engineering
76			Power System Simulation Lab
77			Power Electronics Lab
78			Measurements and Instrumentation Lab
79			Power Semiconductor Drives
80			Power System Protection
81			Power System Operation and Control
82			Power System Lab
83			Electrical Measurements & Instrumentation
84			Power Systems - II
85			Electrical Measurements & Instrumentation Lab
86			Basic Electrical simulation Lab
87			Power Systems Analysis
88			Power Electronics
89			Switch Gear and Protection
90			Electrical and Electronics Instrumentation
91			Power Systems Lab
92			Power Electronics Lab
93			Electrical & Electronics Design Lab
94			Electrical Distribution Systems
95			Industry Oriented Mini Project
96			Utilization of Electric Power
97			Major Project
98			Engineering Graphics
99			Engineering Mechanics
100			Engineering Workshop
101			Mechanics of Solids
102			Material Science and Metallurgy
103			Production Technology
104			Thermodynamics
105	B.Tech-ME	03	Production Technology Lab
106			Machine Drawing Practice
107			Material Science and Mechanics of Solids Lab
108			Kinematics of Machinery
109			Thermal Engineering - I
110			Fluid Mechanics and Hydraulic Machines
111			Instrumentation and Control Systems

112			Fluid Mechanics and Hydraulic Machines Lab
113			Instrumentation and Control Systems Lab
114			Dynamics of Machinery
115			Design of Machine Members-I
116			Metrology & Machine Tools
117			Thermal Engineering-II
118			Thermal Engineering Lab
119			Metrology & Machine Tools Lab
120			Kinematics & Dynamics Lab
121			Design of Machine Members-II
122			Heat Transfer
123			CAD & CAM
124			Unconventional Machining Processes
125			Machine Tool Design
126			Production Planning & Control
127			Finite Element Methods
128			Heat Transfer Lab
129			CAD & CAM Lab
130			Industrial Robotics
131			CAD/CAM
132			Instrumentation and Control System
133			Composite materials
134			Industrial Management
135			Power Plant Engineering
136			Operations Research
137			CAD/CAM Lab
138			Instrumentation and Control Systems Lab
139			Automation in Manufacturing
140			Fluid Power System
141			Renewable Energy Sources
142			Production Planning and Control
143			Automobile Engineering
144			Advanced Mechanics of Solids
145			Unconventional Machining Processes
146			Advanced Materials Technology
147			Major Project
148			Electronic Devices and Circuits
149	B.Tech-ECE	O4	Network Analysis and Transmission Lines
150			Digital System Design
151			Signals and Systems

152			Probability Theory and Stochastic Processes
153			Electronic Devices and Circuits Lab
154			Digital System Design Lab
155			Basic Simulation Lab
156			Electromagnetic Fields and Waves
157			Analog and Digital Communications
158			Linear IC Applications
159			Electronic Circuit Analysis
160			Analog and Digital Communications Lab
161			IC Applications Lab
162			Electronic Circuit Analysis Lab
163			Microprocessors & Microcontrollers
164			Data Communications and Networks
165			Control Systems
166			Microprocessors & Microcontrollers Lab
167			Data Communications and Networks Lab
168			Antennas and Propagation
169			Digital Signal Processing
170			VLSI Design
171			Digital Signal Processing Lab
172			e – CAD Lab
173			Microwave Engineering
174			VLSI Design
175			VLSI and E-CAD Lab
176			Microwave Engineering Lab
177			Industry Oriented Mini Project
178			Seminar
179			Major Project
180	B.Tech-		Programming for Problem Solving
181	CSE(AI&ML)		Programming for Problem Solving Lab
182			Programming for Problem Solving
183	B.Tech(DS)		Programming for Problem Solving Lab
184			Programming for Problem Solving
185			Programming for Problem Solving Lab
186		05	Data Structures
187			Computer Organization and Architecture
188	B.Tech-CSE		Object Oriented Programming using C++
189			Data Structures Lab
190			IT Workshop Lab
191			C++ Programming Lab
192			Operating Systems

193		Database Management Systems
194		Java Programming
195		Operating Systems Lab
196		Database Management Systems Lab
197		Java Programming Lab
198		Formal Languages & Automata Theory
199		Software Engineering
200		Computer Networks
201		Web Technologies
202		Information Theory & Coding
203		Advanced Computer Architecture
204		Data Analytics
205		Image Processing
206		Principles of Programming Languages
207		Computer Graphics
208		Advanced Operating Systems
209		Informational Retrieval Systems
210		Distributed Databases
211		Natural Language Processing
212		Software Engineering Lab
213		Computer Networks & Web Technologies Lab
214		Machine Learning
215		Compiler Design
216		Design and Analysis of Algorithms
217		Concurrent Programming
218		Network Programming
219		Scripting Languages
220		Mobile Application Development
221		Software Testing Methodologies
222		Machine Learning Lab
223		Compiler Design Lab
224		Data Mining
225		Principles of Programming Languages
226		Python Programming
227		Android Application Development
228		Linux Programming
229		R Programming
230		Internet of Things
231		Distributed Systems
232		Machine Learning
233		Cloud Computing

234			Big Data Analytics
235			Computer Graphics
236			Object Oriented Analysis and Design
237			Computer Forensics
238			Web Services and Service Oriented Architecture
239			Natural Language Processing
240			Middleware Technologies
241			Big Data Analytic Techniques
242			Software Testing Methodologies
243			Semantic Web and Social Networks
244			Cyber security
245			Data Mining Lab
246			Python Programming Lab
247			Android Application Development Lab
248			Linux programming Lab
249			R Programming Lab
250			Internet of Things Lab
251			Industry Oriented Mini Project
252			Seminar
253			Major Project
254			Management and Organizational Behaviour
255			Business Economics
256			Financial Accounting & Analysis
257			Research Methodology and Statistical Analysis
258			Legal and Business Environment
259			Business Ethics and Corporate Governance
260			Project Management
261			Technology Management
262			Cross Cultural Management
263	MBA	EO	Human Resource Management
264			Marketing Management
265			Financial Management
266			Quantitative Analysis for Business Decisions
267			Entrepreneurship
268			Logistics & Supply Chain Management
269			Total Quality Management
270			Marketing Research
271			International Business
272			Rural Marketing
273			Production & Operations Management

274		Management Information Systems
275		Data Analytics
276		Summer Internship
277		Strategic Management
278		Pre-submission project Seminar
279		Main Project Viva-Voce
280		Digital Marketing
281		Advertising and Sales Management
282		Consumer Behaviour
283		Customer Relationship Management
284		International Marketing
285		Services Marketing
286		Security Analysis and Portfolio Management
287		Financial Institutions, Markets & Services
288		Strategic Management Accounting
289		International Financial Management
290		Strategic Investment and Financing Decisions
291		Risk Management and Financial Derivatives
292		Performance Management Systems
293		Learning and Development
294		Management of Industrial Relations
295		International Human Resource Management
296		Leadership and Change Management
297		Talent and Knowledge Management
298		Startup Management
299		MSME Management
300		Family Business Management
301		Entrepreneurial Finance
302		Entrepreneurial Marketing
303		Creativity Innovation and Entrepreneurship


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