

Ref.:-

Date:- 06/07/2021

1.1:	Number of courses offered by the Institution across all programs during the last five years
Findings of DVV	1) Provide year wise list of courses in each program on letter head of Institution with signature of Principal 2) Provide year wise consolidated statement showing the number of courses in each program with signature of Principal
Response of HEI	1) Year wise consolidated statement showing the number of courses in each program with signature of Principal is attached as Appendix-I . 2) Year wise list of courses in each program on letter head of Institution with signature of Principal is attached as Appendix-II .


Coordinator
Internal Quality Assurance Cell (IQAC)
SVRI'S College of Engineering,
Pandharpur




PRINCIPAL,
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Appendix-I

Ref.:-

Date:-

1.1 Number of Courses in each Program

Academic Year: 2015-16		
Sr. No.	Name of Program	Number of Courses
1.	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering (common to all branches)	13
2.	Mechanical Engineering	44
3.	Computer Science & Engineering	43
4.	Electronics & Tele-communication Engineering	38
5.	Civil Engineering	45
6.	Mechanical- Design Engineering (PG)	15
7.	Computer Science & Engineering (PG)	19
8.	Electronics & Tele-communication Engineering (PG)	20
9.	Civil -Structural Engineering (PG)	19
10.	Master of Business Administration (MBA)	26



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1.1 Number of Courses in each Program

Academic Year: 2016-17		
Sr. No.	Name of Program	Number of Courses
1.	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering (common to all branches)	15
2.	Mechanical Engineering	44
3.	Computer Science & Engineering	43
4.	Electronics & Tele-communication Engineering	39
5.	Civil Engineering	45
6.	Mechanical- Design Engineering (PG)	20
7.	Computer Science & Engineering (PG)	19
8.	Electronics & Tele-communication Engineering (PG)	20
9.	Civil -Structural Engineering (PG)	19
10.	Master of Business Administration (MBA)	26



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Ref.:-

Date:-

1.1 Number of Courses in each Program

Academic Year: 2017-18		
Sr. No.	Name of Program	Number of Courses
1.	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering (common to all branches)	15
2.	Mechanical Engineering	44
3.	Computer Science & Engineering	43
4.	Electronics & Tele-communication Engineering	39
5.	Civil Engineering	45
6.	Mechanical- Design Engineering (PG)	20
7.	Computer Science & Engineering (PG)	19
8.	Electronics & Tele-communication Engineering (PG)	20
9.	Civil -Structural Engineering (PG)	19
10.	Master of Business Administration (MBA)	26



B. Bange
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Ref.:-

Date:-

1.1 Number of Courses in each Program

Academic Year: 2018-19		
Sr. No.	Name of Program	Number of Courses
1.	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering Electrical Engineering (common to all branches)	15
2.	Mechanical Engineering	44
3.	Computer Science & Engineering	43
4.	Electronics & Tele-communication Engineering	39
5.	Civil Engineering	45
6.	Mechanical- Design Engineering (PG)	23
7.	Computer Science & Engineering (PG)	20
8.	Electronics & Tele-communication Engineering (PG)	20
9.	Civil -Structural Engineering (PG)	21
10.	Master of Business Administration (MBA)	26



B. Range
PRINCIPAL,
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1.1 Number of Courses in each Program

Academic Year: 2019-2020		
Sr. No.	Name of Program	Number of Courses
1.	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering Electrical Engineering (common to all branches)	15
2.	Mechanical Engineering	41
3.	Computer Science & Engineering	42
4.	Electronics & Tele-communication Engineering	40
5.	Civil Engineering	46
6.	Electrical Engineering	13
7.	Mechanical- Design Engineering (PG)	23
8.	Computer Science & Engineering (PG)	20
9.	Electronics & Tele-communication Engineering (PG)	20
10.	Civil -Structural Engineering (PG)	21
11.	Master of Business Administration (MBA)	26



B-range
PRINCIPAL
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Appendix-II

Ref.:-

Date:-

1.1 List of courses offered across all programs				
A.Y. 2015-2016				
Program Code	Program Name	Course Code	Course Name	Year of introduction
General Science and Engineering				
I-1408968339 I-1408968327 I-1408968324 I-1408968331	Mechanical Engineering Computer Science & Engineering Electronics & Telecommunication Engineering Civil Engineering		Engineering Physics	2012-13
			Engineering Chemistry	
			Engineering Mathematics I	
			Applied Mechanics	
			Basic Electrical Engineering	
			Basic Mechanical Engineering	
			Communication Skills-I	
			Workshop Practice	
			Engineering Mathematics II	
			Engineering Graphics	
			Basic Civil Engineering	
			Basic Electronics and Computer Programming	
			Communication Skills-II	
		I-1408968339	Mechanical Engineering	
	Applied Thermodynamics			
	Engineering Mathematics-III			
	Machine Tools and Processes			
	Machine Drawing			
	Computer Programming in C++			
	Workshop Practice-II			
	Environmental Science			
	Theory of Machine-I			
	Manufacturing Process			
	Fluid Mechanics			
	Numerical Methods			
	Electrical and Electronics Technology			
	Computer Aided Machine Drawing			
I-1408968339	Mechanical Engineering		Workshop Practice-III	2014-15
			Theory of Machine-II	
			Heat and Mass Transfer	
			Metallurgy	
			Machine Design-I	
			Professional Elective I-1) Machine Tool Design 2) Fluid Machinery and Fluid Power 3) Material Handling System	
			Advanced Computer Programming-I	
			Workshop Practice-IV	
			Self Learning (HSS)-1) Economics 2) Intellectual Property Rights for Technology Development and Management 3) Introduction to Sociology 4) Stress and Coping 5) Professional Ethics & Human Values	
			Metrology and Mechanical Measurements	
			Internal Combustion Engine	
			CAD/CAM	
			Machine Design-II	
			Professional Elective II-1) Experimental Stress Analysis 2) Power Plant and Energy Engineering 3) Tool Engineering 4) Mechanical Vibrations	
	Advanced Computing Techniques-II			
	Workshop Practice-V			
	Self Learning (Technical)			



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Ref.:-

Date:-

1.1 List of courses offered across all programs

A.Y. 2015-2016				
Program Code	Program Name	Course Code	Course Name	Year of introduction
I-1408968339	Mechanical Engineering		Automatic Control Engineering	2015-16
			Operations Research	
			Refrigeration and Air Conditioning	
			Professional Elective III- 1) Finite Element Methods 2) Automobile Engineering 3) Process Engineering	
			Free Elective I- 1) Industrial Robotics 2) Sugar Engineering 3) Textile Engineering 4) Entrepreneurship Development	
			Industrial Training	
			Project Work- I	
			Industrial and Quality Management	
			Industrial Engineering	
			Professional Elective IV- 1) Mechatronics 2) Computational Fluid Dynamics 3) Production and Operation Management	
			Free Elective II- 1) Software Engineering & cyber security 2) Agro Machine Engineering 3) Plastic Engineering 4) Economics for Engineer	
			Project Work- II	
	General Proficiency			



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Date:-

I.1 List of courses offered across all programs

A.Y. 2015-2016					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
1-1408968327	Computer Science & Engineering	Computer Science and Engineering			2015-16
			Applied Mathematics-I		
			Discrete Mathematical Structures		
			Advanced C concepts		
			Digital Techniques		
			Computer Graphics		
			Lab - Visual Basic		
			Environmental Studies		
			Applied Mathematics - II		
			Theory of Computation		
			Microprocessors		
			Data Communication		
			Data Structures		
			Lab - Object Oriented Design & Programming through C++		
			Operating System Concepts		
			System Programming		
			Computer Networks		
			Design and Analysis of Algorithm		
			Computer Organization		
			Lab-Java Programming		
			Self Learning (HSS)		
			Compiler Construction		
			Unix Operating System		
			Mobile Computing		
			Database Engineering		
			Software Engineering		
			Lab- Programming in C#. net		
			Mini Project		
			Self Learning (HSS/ Technical)		
			Advanced Computer Architecture		
			Distributed Systems		
			Modern Database Systems		
			Elective - I: 1. Human Computer Interaction 2.Digital Signal Processing 3.Software Testing & Quality Assurance 4.Business Intelligence		
			Elective - II 1.Object Oriented Modeling & Design 2.Wireless Ad hoc Networks 3. Intelligent Systems 4.Mobile Application Development		
			Vocational Training		
			Lab I - Project Phase I		
			Lab-II - Python		
			Management Information System		
			Information & Cyber Security		
			Elective -III 1.Data Warehousing & Mining 2 Image Processing 3.Information Retrieval 4.Cloud Computing		
			Elective -IV 1.Storage Area Network 2.Web 2.0 & Rich Internet Application 3.Artificial Neural Network 4.Big Data Analytics		
			Lab I - Web Technology		
			Lab II - Project Phase II		
			Lab-III -Open Source Technology		
					2014-15
			2015-16		



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Date:-

1.1 List of courses offered across all programs					
A.Y. 2015-2016					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
Electronics and Tele-Communication Engineering					
1-1408968324	Electronics & Tele-communication Engineering		Engineering Mathematics-III	2015-16	
			Electronics Circuit Analysis and Design-I		
			Circuits and Networks		
			Digital Techniques		
			Data Structures		
			Electronic Workshop Lab		
			Electronics Circuit Analysis and Design-II		
			Analogue Communication		
			Control System		
			Linear Integrated Circuit		
			Signals and Systems		
			Electronic Software Lab-I		
			Environmental Studies		
			Electromagnetic Engineering and Radiation System		
			Principles of Digital Communication		2014-15
			Software Engineering and Project Management System		
			Digital Signal Processing		
			Micromicroprocessor		
			Self Learning-Operating System		
			Radar and Microwave Engineering		
			Microcontroller and Application		
			Electronics Applications and System Design		
			Optical Communication		
			Mobile Communication		
			Self Learning		
			Mini Project Hardware		
			Computer Communication Network		
			VLSI Design	2015-16	
			Satellite Communicator		
			Coding Theory		
			Elective I-Image Processing		
			Vocational Training		
			Seminar and Project		
	Broadband Communication				
	Multimedia Communication Techniques				
	Embedded Systems				
	Elective II-Wireless Sensor Network				
	Project				



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I.1 List of courses offered across all programs

A.Y. 2015-2016						
Program Code	Program Name	Course Code	Course Name	Year of introduction		
I-1408968331	Civil Engineering	Civil Engineering			2015-16	
		Concrete Technology				
		Structural Mechanics-I				
		Surveying-I				
		Building Construction And Drawing				
		Fluid Mechanics-I				
		Engineering Geology				
		Lab practice				
		Structural Mechanics-II				
		Surveying-II				
		Building Construction And Design				
		Fluid Mechanics-II				
		Water Resources Engg-I				
		Engg Mathematics-III				
		Computer Programming And Numerical Methods				
		Environmental Science			2014-15	
		Design of Steel Structures				
		Geotechnical Engg I				
		Building Planning & Design				
		Environmental Engg I				
		Engineering Management- I				
		Transportation Engg -I				
		Self Learning (H S S course)				
		Structural Mechanics-III				
		Geotechnical Engg II				
		Environmental Engg II				
		Engineering Management- II				
		Transportation Engg -II				
		Steel Structural Design & Drawing				2015-16
		Mini project (Any subject in Civil Engg.)				
		Assessment of Field Training Report				
		Self Learning (Technical course)				
		Design of Concrete Structures-I				
		Quantity Surveying & Valuation				
		Earthquake Engg.				
		Water Resources Engg -II				
		Elective - I: Open Channel & River Hydraulics, Air Pollution & control, Design of Foundations, Advanced Design of Concrete Structures, Managerial Techniques, Computer Applications in Civil Engg, Advanced structures, Entrepreneurship, Remote Sensing and GIS Applications				
		Seminar				
		Project work				
		Assessment of report on field training-II				
		Design of Concrete Structures-II				
		Construction Practices and Town Planning				
		Elective - II: Advanced Engg. Geology, Ground improvement Techniques, Traffic Engg. & Control, Infrastructural Engineering, Project Appraisal, Solid and Hazardous & Waste Management, Dynamics of Structures, Environmental Management, Design of Bridges				
		Elective - III: Advanced Design of Steel Structures, Industrial Waste Treatment, Water Power Engg, Advanced Concret Technology, Reliability Engg., Finite Element Method, Experimental Stress Analysis, Optimization Techniques, Disaster Management				
		R. C. C. Structural Design & Drawing-II				
Project work						



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1.1 List of courses offered across all programs

A.Y. 2015-2016					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
Mechanical-Design Engineering (PG)					
I-1408968333	Mechanical- Design Engineering (PG)		Computational Techniques in Design Engineering	2015-16	
			Machine Dynamics		
			Solid Mechanics		
			Design of Experiments And Research Methodology		
			Elective -I-		
			1) Synthesis & Analysis of Mechanisms and Machines		
			2) Industrial instrumentation		
			3) Reliability Engineering		
			4) Mechanical System Design		
			Seminar I		
			Advanced Design Engineering		
			Finite Element Analysis		
			Experimental Stress Analysis		
			Industrial Product Design		
	Elective-II-1) Industrial Tribology	2015-16			
	2) Engineering Fracture Mechanics				
	3) Theory and Analysis of Composite Materials				
	4) Engineering Design Optimization				
	Seminar II				
	In-plant Training				
	Mini Project (Based on Dissertation)	2015-16			
	Dissertation				
Computer Science and Engineering (PG)					
I-1408968341	Computer Science & Engineering (PG)		Theory of Computation	2015-16	
			Advanced Operating Systems		
			Analysis of Algorithms		
			Resarch Methodology		
			Elective-I Data Mining, Mobile Coomputing, Artificial Neural Network and Generic Algorithm. Enterprise Software Development		
			Seminar-I		
			Internet Routing Algorithm		
			Advanced Database Concepts		
			Elective-II Grid Computing, Real Time Operating System, Natural Language Processing, Infrastructure Imanagement		
			Elective-III Web Technology, Business Intelligent System, Object oriented Software Engineering and Design Patterns		
			Seminar-II		
			Self Learning :-Big Data, Open Source Technologies, Computer Network Administration		2014-15
			Lab Practice		
			Dissertation Phase-I Synopsis Submission Seminar		
	Dissertation Phase-II Termwork				
	Dissertation Phase-II Progress Seminar Presentation				
	Dissertation Phase-III Progress Seminar Presentation and report				
	Dissertation Phase-IV Termwork				
	Final Presentation and viva-voce				



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1.1 List of courses offered across all programs

A.Y. 2015-2016					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
Electronics and Tele-Communication Engineering (PG)					
I-1408968335	Electronics & Tele-communication Engineering (PG)		Research Methodology	2015-16	
			Antenna Theory and Design		
			Probability and Stochastic processes		
			Advanced Network Systems		
			Elective I- 1 Optical Networks		
			2. Speech & Video Processing		
			3. Advanced VLSI Design		
			Seminar- I		
			RF and Microwave Circuit Design		
			Advanced Signal Processing		
			Wireless Communication		
			Cryptography and Network Security		
			Elective II-: 1. Wireless Sensor Network & Optimization.	2015-16	
			2. Wavelet Transform & Applications.		
			3. Advanced Embedded Systems.		
			Seminar- II		
			Self Learning: 1. Internet of Things		
			2. Software Defined and Cognitive Radio		
	3. Modeling & Simulation of Communication System				
	Lab Practice				
	Dissertation Phase-I.Synopsis Submission Seminar				
	Dissertation Phase-II.Term work				
	Dissertation Phase-II: Progress Seminar				
	Dissertation PhaseIII:Progress Seminar				
	Dissertation PhaseIV Term Work				
	Final submission of Dissertation and Viva-voce				
Civil-Structural Engineering (PG)					
I-1408968343	Civil -Structural Engineering (PG)		Theory of Elasticity & Plasticity	2015-16	
			Mechanics of structures		
			Advanced Design of Concrete Structures		
			Dynamics of Structures		
			Elective-I: Design of Foundations, Advances in Concrete Composites, Structural Optimizaton		
			Seminar-I		
			Theory of Plates & Shells		
			Finite Element Method		
			Earthquake Engineering		
			Advanced Design of Steel Structures		
			Elective-II: Stability of Structures, Design of R.C.C. Bridges, Structural Reliability, Design of Folded Plates & Shells.		2014-15
			Seminar-II		
			Lab. Practice		
			Dissertation Phase-I: Synopsis Submission Seminar		
			Dissertation Phase-II: Term work		
			Dissertation Phase-II: Progress Seminar		
			Dissertation Phase III: Progress Seminar		
			Dissertation Phase-IV: Term work		
	Final submission of the dissertation and Viva voice				



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1.1 List of courses offered across all programs

A.Y. 2015-2016				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Master of Business Administration (MBA)				
I-1408968337	Master of Business Administration (MBA)		Perspectives of Management	2015-16
			Accounting for Management	
			Managerial Economics	
			Organisational Behaviour	
			Statistical Methods	
			Managerial Communication-I	
			Legal Aspects of Business	
			IT for Management	
			Marketing Management	
			Financial Management	
			Human Resource Management	
			Production and Materials Management	
			Economic Environment for Business	
			Managerial Communication-II	
			Research Methodology	
			Operations Management	
			Corporate Planning and Strategic Management	2013-14
			Management Accounting	
			Business Ethics	
			Project Report & Viva-voce	
			Group A- Marketing Management:-Product and brand Management, Sales and Strategic Marketing; Group B- Financial Management:- Indian Financial System, Strategic Financial Management; Group C Human Resource Management:-strategic Human Resource Management, Training and development	
			Group F – Agriculture & Co-operative Management - Fundamentals of Agriculture and Cooperative Movement, Agricultural Marketing; Group G – International Business:-International Business , International Environment, International Trade and Procedure	
			Entrepreneurship Development and Project Management	
			Excellence in Management	
			Group A- Marketing Management:-Integrated Marketing Communications and Consumer Behaviour ,Retail and Rural Marketing , International Marketing Group B- Financial Management:- Project Planning And Working Capital Management , Investment Management, International Finance; Group C Human Resource Management:-Industrial Relations and Labour Regulations, Performance Management & Compensation, Global Human Resource Management	
	Group D – System Management -Relational Database Management System, Security and control Information system, Programming Concepts & Advanced Excel; Group E -Production & Materials Management:-Industrial Engineering, Quality Management, World Class Manufacturing; Group F – Agriculture & Co-operative Management:- Agricultural Production Management, Agro Processing Industries and Rural Industrialisation, International Trade and Agriculture, Group G – International Business:- International Marketing, International Financial System and Markets, International Logistics			



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Date:-

1.1 List of courses offered across all programs

A.Y. 2016-2017				
Program Code	Program Name	Course Code	Course Name	Year of introduction
General Science and Engineering				
1-1408968339 1-1408968327 1-1408968324 1-1408968331	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering	C011	Engineering Physics	2016-17
		C012	Engineering Chemistry	
		C112	Engineering Mathematics I	
		C113	Applied Mechanics	
		C114	Basic Electrical Engineering	
		C115	Basic Mechanical Engineering	
		C116	Communication Skills	
		C117	Workshop Practice	
		C122	Engineering Mathematics II	
		C123	Engineering Graphics	
		C124	Basic Civil Engineering	
		C125	Computer Programming	
		C126	Basic Electronics	
C127	Professional Communication			
C128	Audit Course- Workshop for Skill Development			
Mechanical Engineering				
1-1408968339	Mechanical Engineering		Analysis of Mechanical Elements	2015-16
			Applied Thermodynamics	
			Engineering Mathematics-III	
			Machine Tools and Processes	
			Machine Drawing	
			Computer Programming in C++	
			Workshop Practice-II	
			Theory of Machine-I	
			Manufacturing Process	
			Fluid Mechanics	
			Numerical Methods	
			Electrical and Electronics Technology	
			Computer Aided Machine Drawing	
			Workshop Practice-III	
			Environmental Science	
			Theory of Machine-II	
			Heat and Mass Transfer	
			Metallurgy	
			Machine Design-I	
			Professional Elective 1-1) Machine Tool Design 2) Fluid Machinery and Fluid Power 3) Material Handling System	
			Advanced Computer Programming	
			Workshop Practice-IV	
			Self Learning (HSS)-1) Economics 2) Intellectual Property Rights for Technology Development and Management 3) Introduction to Sociology 4) Stress and Coping 5) Professional Ethics & Human Values	2016-17
			Metrology and Mechanical Measurements	
			Internal Combustion Engine	
			CAD/CAM	
			Machine Design-II	
	Professional Elective II-1) Experimental Stress Analysis 2) Power Plant and Energy Engineering 3) Tool Engineering 4) Mechanical Vibrations			
	Advanced Computing Techniques			
	Workshop Practice-V			
	Self Learning (Technical)			



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Shri Vithal Education & Research Institute's

COLLEGE OF ENGINEERING, PANDHARPUR



P.B.No.54, Gopalpur - Ranjani Road, Gopalpur, Pandharpur - 413304, District. Solapur (Maharashtra)
 Tel.: (02186) 216063, 9503103757, Toll Free No.: 1800-3000-4131 e-mail.: coe@sveri.ac.in
 Website.: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur)
 NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, ISO 9001:2015 Certified Institute.
 Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune.

Ref.:-

Date:-

1.1 List of courses offered across all programs

A.Y. 2016-2017				
Program Code	Program Name	Course Code	Course Name	Year of introduction
1-1408968339	Mechanical Engineering		Automatic Control Engineering	2015-16
			Operations Research	
			Refrigeration and Air Conditioning	
			Professional Elective III- 1) Finite Element Methods 2) Automobile Engineering 3) Process Engineering	
			Free Elective I- 1) Industrial Robotics 2) Sugar Engineering 3) Textile Engineering 4) Entrepreneurship Development	
			Industrial Training	
			Project Work- I	
			Industrial and Quality Management	
			Industrial Engineering	
			Professional Elective IV- 1) Mechatronics 2) Computational Fluid Dynamics 3) Production and Operation Management	
			Free Elective II- 1) Software Engineering & cyber security 2) Agro Machine Engineering 3) Plastic Engineering 4) Economics for Engineer	
			Project Work- II	
			General Proficiency	



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1.1 List of courses offered across all programs

A.Y. 2016-2017					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
I-1408968327	Computer Science & Engineering	Computer Science and Engineering			2015-16
		Applied Mathematics-I			
		Discrete Mathematical Structures			
		Advanced C concepts			
		Digital Techniques			
		Computer Graphics			
		Lab - Visual Basic			
		Environmental Studies			
		Applied Mathematics – II			
		Theory of Computation			
		Microprocessors			
		Data Communication			
		Data Structures			
		Lab - Object Oriented Design & Programming through C++			
		Operating System Concepts			
		2016-17	System Programming		
			Computer Networks		
			Design and Analysis of Algorithm		
			Computer Organization		
			Lab-Java Programming		
			Self Learning (HSS)		
			Compiler Construction		
			Unix Operating System		
			Mobile Computing		
			Database Engineering		
			Software Engineering		
			Lab- Programming in C#. net		
			Mini Project		
			Self Learning (HSS/ Technical)		
			Advanced Computer Architecture		
		2015-16	Distributed Systems		
			Modern Database Systems		
			Elective – I: 1. Human Computer Interaction 2. Digital Signal Processing 3. Software Testing & Quality Assurance 4. Business Intelligence		
			Elective – II 1. Object Oriented Modeling & Design 2. Wireless Ad hoc Networks 3. Intelligent Systems 4. Mobile Application Development		
			Vocational Training		
			Lab I - Project Phase I		
			Lab-II - Python		
			Management Information System		
			Information & Cyber Security		
			Elective -III 1. Data Warehousing & Mining 2. Image Processing 3. Information Retrieval 4. Cloud Computing		
2015-16	Elective -IV 1. Storage Area Network 2. Web 2.0 & Rich Internet Application 3. Artificial Neural Network 4. Big Data Analytics				
	Lab I - Web Technology				
	Lab II - Project Phase II				
	Lab-III -Open Source Technology				



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P.B.No.54, Gopalpur - Ranjani Road, Gopalpur, Pandharpur - 413304, District: Solapur (Maharashtra)
 Tel.: (02186) 216063, 9503103757, Toll Free No.: 1800-3000-4131 e-mail.: coe@sveri.ac.in
 Website.: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur)
 NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, ISO 9001:2015 Certified Institute.
 Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune.

Ref.:-

Date:-

I.1 List of courses offered across all programs					
A.Y. 2016-2017					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
1-1408968324	Electronics & Tele-communication Engineering	Electronics and Tele-Communication Engineering			2015-16
			Engineering Mathematics-III		
			Electronics Circuit Analysis and Design-I		
			Circuits and Networks		
			Digital Techniques		
			Data Structures		
			Electronic Workshop Lab		
			Electronics Circuit Analysis and Design-II		
			Analogue Communication		
			Control System		
			Linear Integrated Circuit		
			Signals and Systems		
			Electronic Software Lab-I		
			Environmental Studies		
			Electromagnetic Engineering and Radiation Svatem		
			Principales of Digital Communication		
			Software Engineering and Project Management System		
			Diretal Signal Processing		
			Micromprocessor		
			Self Learning-HSS		
			Electronic Software Lab-II		
			Radar and Microwave Engineering		
			Microcontroller and Application		
			Electronics Applications and System Design		
			Optical Communication		
			Mobile Communication		
			Self Learning		
			Mini Project (Hardware)		
			Computer Communication Network		
			VLSI Design		
			Satellite Communicator		
			Codine Theory		
			Elective I-Image Processing		
			Vocational Training		
			Seminar and Project		
			Broadband Communication		
	Multimedia Communication Techniques				
	Embedded Systems				
	Elective II-Wireless Sensor Network				
	Project				
				2016-17	
				2015-16	



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PRINCIPAL,
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1.1 List of courses offered across all programs

A.Y. 2016-2017					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
I-1408968331	Civil Engineering	Civil Engineering			2015-16
		Concrete Technology			
		Structural Mechanics-I			
		Surveying-I			
		Building Construction And Drawing			
		Fluid Mechanics-I			
		Engineering Geology			
		Lab Practice			
		Structural Mechanics-II			
		Surveying-II			
		Building Construction And Design			
		Fluid Mechanics-II			
		Water Resources Engg-I			
		Engg Mathematics-III			
		Computer Programming And Numerical Methods			
		Environmental Science			
		2016-17	Design of Steel Structures		
			Geotechnical Engg I		
			Building Planning & Design		
			Environmental Engg I		
			Engineering Management- I		
			Transportation Engg -I		
			Self Learning (H S S course)		
			Structural Mechanics-III		
			Geotechnical Engg II		
			Environmental Engg II		
			Engineering Management- II		
			Transportation Engg -II		
			Self Learning (Technical course)		
			Steel Structural Design & Drawing		
			Mini project (Any subject in Civil Engg.)		
			Assessment of Field Training Report		
		2015-16	Design of Concrete Structures-I		
			Quantity Surveying & Valuation		
			Earthquake Engg		
			Water Resources Engg. II		
			Elective - I: Open Channel & River Hydraulics, Air Pollution & control, Design of Foundations, Advanced Design of Concrete Structures, Managerial Techniques, Computer Applications in Civil Engg, Advanced structures, Entrepreneurship, Remote Sensing and GIS Applications		
			Seminar		
			Project work		
			Assessment of report on field training-II		
			Design of Concrete Structures-II		
			Construction Practices and Town Planning		
Elective - II: Advanced Engg. Geology, Ground improvement Techniques, Traffic Engg & Control, Infrastructural Engineering, Project Appraisal, Solid and Hazardous & Waste Management, Dynamics of Structures, Environmental Management, Design of Bridges					
Elective - III: Advanced Design of Steel Structures, Industrial Waste Treatment, Water Power Engg, Advanced Concret Technology, Reliability Engg., Finite Element Method, Experimental Stress Analysis, Optimization Techniques, Disaster Management					
R. C. C. Structural Design & Drawing-II					
Project work					



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I.1 List of courses offered across all programs				
A.Y. 2016-2017				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Mechanical-Design Engineering (PG)				
I-1408968333	Mechanical- Design Engineering (PG)		Computational Techniques in Design Engineering	2015-16
			Machine Dynamics	
			Solid Mechanics	
			Design of Experiments And Research Methodology	
			Elective -I-	
			Seminar I	
			Advanced Design Engineering	
			Finite Element Analysis	
			Experimental Stress Analysis	
			Industrial Product Design	
			Elective-II-I) Industrial Tribology	2016-17
			Seminar II	
			Mini Project	
			Lab Practice	
			Dissertation Phase I Synopsis Submission Seminar	
			Dissertation Phase II. Term work	
			Dissertation Phase II Progress Seminar presentation	
	Dissertation Phase III Progress Seminar Presentation & Report			
	Dissertation Phase IV Term work			
	Final Presentation & Viva-voce			
Computer Science and Engineering (PG)				
I-1408968341	Computer Science & Engineering (PG)		Theory of Computation	2015-16
			Advanced Operating Systems	
			Analysis of Algorithms	
			Research Methodology	
			Elective-I Data Mining, Mobile Computing, Artificial Neural Network and Generic Algorithm, Enterprise Software Development	
			Seminar-I	
			Internet Routing Algorithm	
			Advanced Database Concepts	
			Elective-II Grid Computing, Real Time Operating System, Natural Language Processing, Infrastructure Imangement	
			Elective-III Web Technology, Business Intelligent System, Object oriented Software Engineering and Design Patterns	
			Seminar-II	
			Self Learning Big Data, Open Source Technologies, Computer Network Administration	
			Lab Practice	
			Dissertation Phase-I Synopsis Submission Seminar	
			Dissertation Phase-II Termwork	
			Dissertation Phase-II Progress Seminar Presentation	
			Dissertation Phase-III Progress Seminar Presentation and report	
	Dissertation Phase-IV Termwork			
	Final Presentation and viva-voce			



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 Tel.: (02186) 216063, 9503103757, Toll Free No.: 1800-3000-4131 e-mail.: coe@sveri.ac.in
 Website.: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur)
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Ref.:-

Date:-

I.1 List of courses offered across all programs

A.Y. 2016-2017				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Electronics and Tele-Communication Engineering (PG)				
1-1408968335	Electronics & Tele-communication Engineering (PG)		Research Methodology	2015-16
			Antenna Theory and Design	
			Probability and Stochastic processes	
			Advanced Network Systems	
			Elective I- 1. Optical Networks 2. Speech & Video Processing 3. Advanced VLSI Design	
			Seminar- I	
			RF and Microwave Circuit Design	
			Advanced Signal Processing	
			Wireless Communication	
			Cryptography and Network Security	
			Elective II:- 1. Wireless Sensor Network & Optimization. 2. Wavelet Transform & Applications. 3. Advanced Embedded Systems.	2016-17
			Seminar- II	
			Self Learning 1 Internet of Things 2. Software Defined and Cognitive Radio 3. Modeling & Simulation of Communication System	
			Lab Practice	
			Dissertation Phase-I Synopsis Submission Seminar	
			Dissertation Phase-II Term work	
			Dissertation Phase-II Progress Seminar	
	Dissertation PhaseIII: Progress Seminar			
	Dissertation PhaseIV: Term Work			
	Final submission of Dissertation and Viva-voce			
Civil-Structural Engineering (PG)				
1-1408968343	Civil -Structural Engineering (PG)		Theory of Elasticity & Plasticity	2015-16
			Mechanics of structures	
			Advanced Design of Concrete Structures	
			Dynamics of Structures	
			Elective-I: Design of Foundations, Advances in Concrete Composites.	
			Seminar-I	
			Theory of Plates & Shells	
			Finite Element Method	
			Earthquake Engineering	
			Advanced Design of Steel Structures	
			Elective-II: Stability of Structures, Design of R.C.C. Bridges, Structural	2016-17
			Seminar-II	
			Lab Practice	
			Dissertation Phase-I: Synopsis Submission Seminar	
			Dissertation Phase-II: Term work	
			Dissertation Phase-II: Progress Seminar presentation	
			Dissertation Phase III: Progress Seminar presentation and Report	
	Dissertation Phase-IV: Term work			
	Final submission of the dissertation and Viva voice			



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1.1 List of courses offered across all programs

A.Y. 2016-2017				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Master of Business Administration (MBA)				
1-1408968337	Master of Business Administration (MBA)		Perspectives of Management	2015-16
			Accounting for Management	
			Managerial Economics	
			Organisational Behaviour	
			Statistical Methods	
			Managerial Communication-I	
			Legal Aspects of Business	
			IT for Management	
			Marketing Management	
			Financial Management	
			Human Resource Management	
			Production and Materials Management	
			Economic Environment for Business	
			Managerial Communication-II	
			Research Methodology	
			Operations Management	
			Corporate Planning & Strategic Mgt	2016-17
			Management Accounting	
			Business Ethics	
			Project Report & Viva	
			Group A- Marketing Management:-Product and brand Management, Sales and Strategic Marketing.	
			Group B- Financial Management:- Indian Financial System, Strategic Financial Management.	
			Group C Human Resource Management:-strategic Human Resource Management, Training and development	
			Group D – System Management:-Management Information System,ERP and SPD,	
			Group E -Production & Materials Management:- Purchasing And Inventory Management,Logistics And Supply Chain Management	
	Group F – Agriculture & Co-operative Management -Fundamentals of Agriculture and Cooperative Movement, Agricultural Marketing,			
	Group G – International Business -International Business , International Environment, International Trade and Procedure			
	Entrepreneurship Development and Project Management			
	Excellence in Management			
	Group A- Marketing Management:-Integrated Marketing Communications and Consumer Behaviour ,Retail and Rural Marketing , International Marketing			
	Group B- Financial Management:- Project Planning And Working Capital Management , Investment Management,International Finance;			
	Group C Human Resource Management -Industrial Relations and Labour Regulations,Performance Management & Compensation,Global Human Resource Management			
	Group D – System Management -Relational Database Management System,Security and control Information system,Programming Concepts & Advanced Excel; Group E -Production & Materials Management -Industrial Engineering, Quality Management,World Class Manufacturing,			
	Group F – Agriculture & Co-operative Management:- Agricultural Production Management, Agro Processing Industries and Rural Industrialisation,International Trade and Agriculture, Group G – International Business:- International Marketing,International Financial System and Markets,International Logistics			



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1.1 List of courses offered across all programs				
A.Y. 2017-2018				
Program Code	Program Name	Course Code	Course Name	Year of introduction
General Science and Engineering				
1-1408968339 1-1408968327 1-1408968324 1-1408968331	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering	C011	Engineering Physics	2016-17
		C012	Engineering Chemistry	
		C112	Engineering Mathematics I	
		C113	Applied Mechanics	
		C114	Basic Electrical Engineering	
		C115	Basic Mechanical Engineering	
		C116	Communication Skills	
		C117	Workshop Practice	
		C122	Engineering Mathematics II	
		C123	Engineering Graphics	
		C124	Basic Civil Engineering	
		C125	Computer Programming	
		C126	Basic Electronics	
		C127	Professional Communication	
C128	Audit Course- Workshop for Skill Development			
Mechanical Engineering				
1-1408968339	Mechanical Engineering	ME211	Analysis of Mechanical Elements	2017-18
		ME212	Applied Thermodynamics	
		ME213	Engineering Mathematics -III	
		ME214	Manufacturing Processes	
		ME215	Machine Drawing	
		ME216	Professional Elective-I: A. Computer Programming in C ++ B. Dot Net C. General Proficiency.	
		ME217	Workshop Practices -II	
		ME221	Theory of Machine-I	
		ME222	Machine Tools & Processes	
		ME223	Fluid Mechanics	
		ME224	Electrical Technology and Electronics	
		ME225	Professional Elective-II: A. Computational Techniques & Numerical Methods B. Simulation Techniques	
		ME226	Computer Aided Machine Drawing	
		ME227	Workshop Practices -III	
MEV22	Environmental Sciences			



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Ref.:-

Date:-

1.1 List of courses offered across all programs				
A.Y. 2017-2018				
Program Code	Program Name	Course Code	Course Name	Year of introduction
1-1408968339	Mechanical Engineering		Theory of Machine-II	2016-17
			Heat and Mass Transfer	
			Metallurgy	
			Machine Design-I	
			Professional Elective I-1) Machine Tool Design 2) Fluid Machinery and Fluid Power 3) Material Handling System	
			Advanced Computer Programming	
			Workshop Practice-IV	
			Self Learning (HSS)-1) Economics 2) Intellectual Property Rights for Technology Development and Management 3) Introduction to Sociology 4) Stress and Coping 5) Professional Ethics & Human Values	
			Metrology and Mechanical Measurements	
			Internal Combustion Engine	
			CAD/CAM	
			Machine Design-II	
			Professional Elective II-1) Experimental Stress Analysis 2) Power Plant and Energy Engineering 3) Tool Engineering 4) Mechanical Vibrations	
			Advanced Computing Techniques	
			Workshop Practice-V	
			Self Learning (Technical)-a. Manufacturing of Composites b. Design Practices c. Joining Technology for Metals d. Steam Power Engineering	
			Automatic Control Engineering	2017-18
			Operations Research	
			Refrigeration and Air Conditioning	
			Professional Elective-III A. Finite Element Methods B. Automobile Engineering C. Process Engineering	
			Free Elective -I A. Industrial Robotics B. Sugar Engineering C. Textile Engineering D. Entrepreneurship Development	
			Industrial Training	
			Project Work - I	
			Industrial and Quality Management	
			Industrial Engineering	
			Professional Elective-IV. A. Mechatronics B. Computational Fluid Dynamics C. Production and Operation Management	
	Free Elective -II: A. Software Engineering & cyber security B. Agro Machine Engineering C. Plastic Engineering D. Economics for Engineers			
	Project Work - II			
	General Proficiency			



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I.1 List of courses offered across all programs

A.Y. 2017-2018					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
1-1408968327	Computer Science & Engineering	Computer Science and Engineering			2017-18
		CS 211	Applied Mathematics - I		
		CS 212	Discrete Mathematical Structures		
		CS 213	Data Communication		
		CS 214	Digital Techniques		
		CS 215	Computer Graphics		
		CS 216	Advanced C Concepts		
		CS 221	Applied Mathematics -II		
		CS 222	Theory of Computation		
		CS 223	Microprocessors		
		CS 224	Data Structures		
		CS 225	Computer Networks		
		CS 226	Object Oriented Programming through C++		
		ENV22	Environmental Studies		2016-17
			Operating System Concepts		
			System Programming		
			Computer Networks		
			Design and Analysis of Algorithm		
			Computer Organization		
			Lab-Java Programming		
			Self Learning (HSS)		
			Compiler Construction		
			Unix Operating System		
			Mobile Computing		
			Database Engineering		
			Software Engineering	2017-18	
			Lab- Programming in C#. net		
			Mini Project		
			Self Learning (HSS/ Technical)		
			Advanced Computer Architecture		
			Distributed Systems		
			Modern Database Systems		
			Elective - I.1. Human Computer Interaction 2 Digital Signal Processing 3 Software Testing & Quality Assurance 4.Business Intelligence		
			Elective - II 1 Object Oriented Modeling & Design 2 Wireless Ad hoc Networks 3. Intelligent Systems 4.Mobile Application Development		
			Vocational Training		
	Lab I - Project Phase I				
	Lab-II - Python				
	Management Information System				
	Information & Cyber Security				
	Elective -III 1 Data Warehousing & Mining 2 Image Processing 3.Information Retrieval 4.Cloud Computing				
	Elective -IV 1.Storage Area Network 2.Web 2 0 & Rich Internet Application 3 Artificial Neural Network 4.Big Data Analytics				
	Lab I - Web Technology				
	Lab II - Project Phase II				
	Lab-III -Open Source Technology				



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I.1 List of courses offered across all programs					
A.Y. 2017-2018					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
Electronics and Tele-Communication Engineering					
I-1408968324	Electronics & Tele-communication Engineering	ET211	Engineering Mathematics-III	2017-18	
		ET212	Electronic Circuit Analysis and Design-I		
		ET213	Network Theory and Analysis		
		ET214	Digital Techniques		
		ET215	Analogue Communication		
		ET216	Electronic Software Lab-I		
		ET221	Electronics Circuit Analysis and Design-II		
		ET222	Data Structures		
		ET223	Control System		
		ET224	Linear Integrated Circuit		
		ET225	Signals and Systems		
		ET226	Electronic Software Lab-II		
		ENV22	Environmental Science I		2016-17
			Electromagnetic Engineering and Radiation System		
			Principles of Digital Communication		
			Software Engineering and Project Management System		
			Digital Signal Processing		
			Microprocessor		
			Self Learning (HSS)		
			Electronic Software Lab-II		
			Radar and Microwave Engineering		
			Microcontroller and Application		
			Electronics Applications and System Design		
			Optical Communication		
			Mobile Communication		
			Self Learning		
			Mini Project (Hardware)	2017-18	
		ET411	Computer Communication Network		
		ET412	VLSI Design		
		ET413	Satellite Communicator		
		ET414	Coding Theory		
		ET415	Elective I-Image Processing		
		ET416	Seminar and Project		
ET417	Vocational Training				
ET421	Broadband Communication				
ET422	Multimedia Communication Techniques				
ET423	Embedded Systems				
ET424	Elective II-Wireless Sensor Network				
ET425	Project				



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I.1 List of courses offered across all programs				
A.Y. 2017-2018				
Program Code	Program Name	Course Code	Course Name	Year of introduction
1-1408968331	Civil Engineering	CV211	Concrete Technology	2017-18
		CV212	Structural Mechanics-I	
		CV213	Surveying-I	
		CV214	Building Construction And Drawing	
		CV215	Fluid Mechanics-I	
		CV216	Engineering Geology	
		CV217	Lab Practice	
		CV221	Structural Mechanics-II	
		CV222	Surveying-II	
		CV223	Building Planning And Design	
		CV224	Fluid Mechanics-II	
		CV225	Water Resources Engg-I	
		CV226	Engg Mathematics-III	
		CV227	Computer Programming And Numerical Methods	
		ENV22	Environmental Studies	2016-17
			Design of Steel Structures	
			Geotechnical Engg I	
			Building Planning & Design	
			Environmental Engg I	
			Engineering Management- I	
			Transportation Engg-I	
			Self Learning (H S S course)	
			Structural Mechanics-III	
			Geotechnical Engg II	
			Environmental Engg II	
			Engineering Management- II	
			Transportation Engg-II	
			Self Learning (Technical course)	
			Steel Structural Design & Drawing	2017-18
			Mini project (Any subject in Civil Engg)	
			Assessment of Field Training Report	
			Design of Concrete Structures-I	
			Quantity Surveying & Valuation	
			Earthquake Engg.	
			Water Resources Engg. II	
			Elective - I: Open Channel & River Hydraulics, Air Pollution & control, Design of Foundations, Advanced Design of Concrete Structures, Managerial Techniques, Computer Applications in Civil Engg, Advanced structures, Entrepreneurship, Remote Sensing and GIS Applications	
			Seminar	
			Project work	
			Assessment of report on field training-II	
			Design of Concrete Structures-II	
			Construction Practices and Town Planning	
			Elective - II: Advanced Engg. Geology, Ground improvement Techniques, Traffic Engg & Control, Infrastructural Engineering, Project Appraisal, Solid and Hazardous & Waste Management, Dynamics of Structures, Environmental Management, Design of Bridges	
	Elective - III: Advanced Design of Steel Structures, Industrial Waste Treatment, Water Power Engg, Advanced Concret Technology, Reliability Engg., Finite Element Method, Experimental Stress Analysis, Optimization Techniques, Disaster Management			
	R. C. C Structural Design & Drawing-II			
	Project work			



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1.1 List of courses offered across all programs				
A.Y. 2017-2018				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Mechanical-Design Engineering (PG)				
1-1408968333	Mechanical- Design Engineering (PG)		Computational Techniques in Design Engineering	2015-16
			Machine Dynamics	
			Solid Mechanics	
			Design of Experiments And Research Methodology	
			Elective -I-	
			1) Synthesis & Analysis of Mechanisms and Machines	
			2) Industrial instrumentation	
			3) Reliability Engineering	
			4) Mechanical System Design	
			Seminar I	
			Advanced Design Engineering	
			Finite Element Analysis	
			Experimental Stress Analysis	
			Industrial Product Design	
			Elective-II-1) Industrial Tribology	2016-17
			2) Engineering Fracture Mechanics	
	3) Theory and Analysis of Composite Materials			
	4) Engineering Design Optimization			
	Seminar II			
	Mini Project			
	Lab Practice			
	Dissertation Phase I Synopsis Submission Seminar			
	Dissertation Phase II Term work			
	Dissertation Phase II Progress Seminar presentation			
	Dissertation Phase III Progress Seminar Presentation & Report			
	Dissertation Phase IV Term work			
	Final Presentation & Viva-voce			
Computer Science and Engineering (PG)				
1-1408968341	Computer Science & Engineering (PG)		Theory of Computation	2015-16
			Advanced Operating Systems	
			Analysis of Algorithms	
			Research Methodology	
			Elective-I Data Mining, Mobile Computing, Artificial Neural Network and Genetic Algorithm, Enterprise Software Development	
			Seminar-I	
			Internet Routing Algorithm	
			Advanced Database Concepts	
			Elective-II Grid Computing, Real Time Operating System, Natural Language Processing, Infrastructure management	
			Elective-III Web Technology, Business Intelligent System, Object oriented Software Engineering and Design Patterns	
			Seminar-II	
			Self Learning Big Data, Open Source Technologies, Computer Network Administration	2016-17
			Lab Practice	
			Dissertation Phase-I Synopsis Submission Seminar	
			Dissertation Phase-II Termwork	
			Dissertation Phase-II Progress Seminar Presentation	
	Dissertation Phase-III Progress Seminar Presentation and report			
	Dissertation Phase-IV Termwork			
	Final Presentation and viva-voce			



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1.1 List of courses offered across all programs				
A.Y. 2017-2018				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Electronics and Tele-Communication Engineering (PG)				
1-1408968335	Electronics & Tele-communication Engineering (PG)		Research Methodology	2015-16
			Antenna Theory and Design	
			Probability and Stochastic processes	
			Advanced Network Systems	
			Elective I- I Optical Networks	
			2 Speech & Video Processing	
			3. Advanced VLSI Design	
			Seminar- I	
			RF and Microwave Circuit Design	
			Advanced Signal Processing	
			Wireless Communication	
			Cryptography and Network Security	
			Elective II- 1 Wireless Sensor Network & Optimization	2016-17
			2 Wavelet Transform & Applications	
			3 Advanced Embedded Systems	
			Seminar- II	
			Self Learning 1. Internet of Things	
			2 Software Defined and Cognitive Radio	
	3 Modeling & Simulation of Communication System			
	Lab Practice			
	Dissertation Phase-I Synopsis Submission Seminar			
	Dissertation Phase-II Term work			
	Dissertation Phase-II Progress Seminar			
	Dissertation PhaseIII Progress Seminar			
	Dissertation PhaseIV Term Work			
	Final submission of Dissertation and Viva-voce			
Civil-Structural Engineering (PG)				
1-1408968343	Civil -Structural Engineering (PG)		Theory of Elasticity & Plasticity	2015-16
			Mechanics of structures	
			Advanced Design of Concrete Structures	
			Dynamics of Structures	
			Elective-I Design of Foundations, Advances in Concrete Composites, Structural Optimization	
			Seminar-I	
			Theory of Plates & Shells	
			Finite Element Method	
			Earthquake Engineering	
			Advanced Design of Steel Structures	
			Elective-II. Stability of Structures, Design of R.C.C. Bridges, Structural Reliability, Design of Folded Plates & Shells.	
			Seminar-II	
			Lab. Practice	2016-17
			Dissertation Phase-I Synopsis Submission Seminar	
			Dissertation Phase-II Term work	
			Dissertation Phase-II Progress Seminar presentation	
			Dissertation Phase III. Progress Seminar presentation and Report	
			Dissertation Phase-IV Term work	
	Final submission of the dissertation and Viva voice			



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1.1 List of courses offered across all programs					
A.Y. 2017-2018					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
1-1408968337	Master of Business Administration (MBA)	Master of Business Administration (MBA)			2017-18
			Principles of Management		
			Accounting for Managers		
			Managerial Economics		
			Organisational Behaviour		
			Statistics for Management		
			Managerial Communication-I		
			Legal Aspects of Business		
			IT for Management/Taxation		
			Marketing Management		
			Financial Management		
			Human Resource Management		
			Production Management and Operation Research		
			International Business		
			Managerial Communication-II		
			Research Methodology		
			Event Management/ Banking an Insurance		
			Corporate Planning & Strategic Mgt		
			Management Accounting		
			Business Ethics		
			Project Report & Viva		
			Group A- Marketing Management -Product and brand Management, Sales and Strategic Marketing, Group B- Financial Management - Indian Financial System, Strategic Financial Management, Group C- Human Resource Management -strategic Human Resource Management, Training and development		
			Group D – System Management:-Management Information System,ERP and SPD, Group E -Production & Materials Management:- Purchasing And Inventory Management,Logistics And Supply Chain Management Group F – Agriculture & Co-operative Management.-Fundamentals of Agriculture and Cooperative Movement, Agricultural Marketing; Group G – International Business:-International Business , International Environment, International Trade and Procedure		
			Entreunrship Devlopment and Project Management		
			Excellence in Management		
			Group A- Marketing Management:-Integrated Marketing Communications and Consumer Behaviour ,Retail and Rural Marketing , International Marketing Group B- Financial Management:- Project Planning And Working Capital Management , Investment Management,International Finance, Group C Human Resource Management -Industrial Relations and Labour Regulations,Performance Management & Compensation,Global Human Resource Management		
			Group D – System Management -Relational Database Management System,Security and control Information system,Programming Concepts & Advanced Excel, Group E -Production & Materials Management -Industrial Engineering, Quality Management,World Class Manufacturing, Group F – Agriculture & Co-operative Management:- Agricultural Production Management, Agro Processing Industries and Rural Industrialisation,International Trade and Agriculture, Group G – International Business:- International Marketing,International Financial System and Markets,International Logistics		
					2016-17



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I.1 List of courses offered across all programs				
A.Y. 2018-2019				
Program Code	Program Name	Course Code	Course Name	Year of introduction
General Science and Engineering (Common to All Branches)				
1-1408968339 1-1408968327 1-1408968324 1-1408968331 1-3675277161	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering Electrical Engineering	C011	Engineering Physics	2018-19
		C012	Engineering Chemistry	
		C112	Engineering Mathematics I	
		C113	Basic Electrical & Electronics	
		C114	Engineering Mechanics	
		C115	Basic Mechanical Engineering	
		C116	Communication Skills	
		C117	Workshop Practice	
		C118	Induction Program	
		C122	Engineering Mathematics II	
		C123	Engineering Graphics & Design	
		C124	Basic Civil Engineering	
		C125	Programming for Problem	
		C126	Professional Communication	
C127	Democracy, Elections and Good			
Mechanical Engineering				
1-1408968339	Mechanical Engineering	ME211	Analysis of Mechanical Elements	2017-18
		ME212	Applied Thermodynamics	
		ME213	Engineering Mathematics -III	
		ME214	Manufacturing Processes	
		ME215	Machine Drawing	
		ME216	Professional Elective-I: A. Computer Programming in C ++ B. Dot Net C. General Proficiency.	
		ME217	Workshop Practices -II	
		ME221	Theory of Machine-I	
		ME222	Machine Tools & Processes	
		ME223	Fluid Mechanics	
		ME224	Electrical Technology and Electronics	
		ME225	Professional Elective-II: A. Computational Techniques & Numerical Methods B. Simulation Techniques	
		ME226	Computer Aided Machine Drawing	
		ME227	Workshop Practices -III	
MEV22	Environmental Sciences			



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I.1 List of courses offered across all programs

A.Y. 2018-2019				
Program Code	Program Name	Course Code	Course Name	Year of introduction
1-1408968339	Mechanical Engineering	ME311	Theory of Machine -II	2018-19
		ME312	Metrology and Mechanical Measurement	
		ME313	Metallurgy	
		ME314	Machine Design -I	
		ME315	Professional Elective -III Machine Tool Design, Material Handling System, Fluid Machinery & Fluid Power	
		ME316	Advanced Computer Programming -I	
		ME317	Workshop Practices -IV	
		SLH31	Self Learning Course I -HSS	
		ME321	Heat and Mass Transfer	
		ME322	Internal Combustion Engine	
		ME323	CAD-CAM & CAE	
		ME324	Machine Design -II	
		ME325	Professional Elective - IV. A. Experimental Stress Analysis B. Mechanical Vibraton C.Tool engineering	
		ME326	Self Learning Course II-Technical	
		ME327	Advanced Computing Techniques -II	
		ME328	Workshop Practice -V	2017-18
			Automatic Control Engineerng	
			Operations Research	
			Refrigeration and Air Conditioning	
			Professional Elective-III: A. Finite Element Methods B. Automobile Engineering C. Process Engineering	
			Free Elective -I: A. Industrial Robotics B. Sugar Engineering C. Textile Engincering D. Entrepreneurship Development	
			Industrial Training	
			Project Work- I	
			Industrial and Quality Management	
			Industrial Engineering	
			Professional Elective-IV: A. Mechatronics B. Computational Fluid Dynamics C. Production and Operation Management	
			Free Elective -II: A. Software Engineering & cyber security B. Agro Machine Engineering C. Plastic Engineering and Economics for Engineers	
			Project Work - II	
	General Proficiency			



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 Tel.: (02186) 216063, 9503103757, Toll Free No.: 1800-3000-4131 e-mail.: coe@sveri.ac.in
 Website.: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur)
 NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, ISO 9001:2015 Certified Institute.
 Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune.

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Date:-

1.1 List of courses offered across all programs					
A.Y. 2018-2019					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
1-1408968327	Computer Science & Engineering	Computer Science and Engineering			2017-18
		CS 211	Applied Mathematics - I		
		CS 212	Discrete Mathematical Structures		
		CS 213	Data Communication		
		CS 214	Digital Techniques		
		CS 215	Computer Graphics		
		CS 216	Advanced C Concepts		
		CS 221	Applied Mathematics -II		
		CS 222	Theory of Computation		
		CS 223	Microprocessors		
		CS 224	Data Structures		
		CS 225	Computer Networks		
		CS 226	Object Oriented Programming through C++		
		ENV22	Environmental Studies		
		CS311	Operating System Concepts	2018-19	
		CS312	System Programming		
		CS313	Database Engineering		
		CS314	Design and Analysis of Algorithms		
		CS315	Computer Organization		
		CS316	Java Programming		
		SLI131	Self Learning - Module 1		
		CS321	Compiler Construction		
		CS322	Unix Operating System		
		CS323	Mobile Computing		
		CS324	Software Engineering		
		CS325	Mobile Application Development		
		CS 326	Programming in C# net		
		CS 327	Mini-Project		
		SLH 32	Self Learning - Module 2		2017-18
			Advanced Computer Architecture		
			Distributed Systems		
			Modern Database Systems		
			Elective - I.1. Human Computer Interaction 2.Digital Signal Processing 3.Software Testing & Quality Assurance 4.Business Intelligence		
			Elective - II 1.Object Oriented Modeling & Design 2 Wireless Ad hoc Networks 3 Intelligent Systems 4.Mobile Application Development		
			Vocational Training		
			Lab I - Project Phase I		
			Lab-II - Python		
			Management Information System		
			Information & Cyber Security		
			Elective -III 1 Data Warehousing & Mining 2 Image Processing 3.Information Retrieval 4 Cloud Computing		
			Elective -IV 1.Storage Area Network 2.Web 2.0 & Rich Internet Application 3.Artificial Neural Network 4.Big Data Analytics		
			Lab I - Web Technology		
	Lab II - Project Phase II				
	Lab-III -Open Source Technology				



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I.1 List of courses offered across all programs					
A.Y. 2018-2019					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
Electronics and Tele-Communication Engineering					
I-1408968324	Electronics & Tele-communication Engineering	ET211	Engineering Mathematics-III	2017-18	
		ET212	Electronics Circuit Analysis and Design-I		
		ET213	Network Theory and Analysis		
		ET214	Digital Techniques		
		ET215	Analogue Communication		
		ET216	Electronic Software Lab-I		
		ET221	Electronics Circuit Analysis and Design-II		
		ET222	Data Structures		
		ET223	Control System		
		ET224	Linear Integrated Circuit		
		ET225	Signals and Systems		
		ET226	Electronic Software Lab-II		
		ENV22	Environmental Science I		2018-19
		ET311	Electromagnetic Engineering and Radiation System		
		ET312	Principles of Digital Communication		
		ET313	Software Engineering and Project Management System		
		ET314	Digital Signal Processing		
		ET415	Microcontroller-I		
		SLH31	Self Learning Course-I (HSS)		
		ET316	Electronic Software Lab-III		
		ET321	Radar and Microwave Engineering		
		ET322	Microcontroller II(PIC)		
		ET323	Electronics Applications and System Design		
		ET324	Optical Communication		
		ET325	Mobile Communication		
		ET327	Self Learning Course II (Technical)		
		ET326	Mini Project (Hardware)		
		ET411	Computer Communication Network	2017-18	
		ET412	VLSI Design		
		ET413	Satellite Communicator		
		ET414	Coding Theory		
		ET415	Elective I-Image Processing		
		ET416	Seminar and Project		
		ET417	Vocational Training		
		ET421	Broadband Communication		
		ET422	Multimedia Communication Techniques		
		ET423	Embedded Systems		
		ET424	Elective II-Wireless Sensor Network		
		ET425	Project		



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1.1 List of courses offered across all programs

A.Y. 2018-2019				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Civil Engineering				
1-1408968331	Civil Engineering	CV211	Concrete Technology	2017-18
		CV212	Structural Mechanics-I	
		CV213	Surveying-I	
		CV214	Building Construction And Drawing	
		CV215	Fluid Mechanics-I	
		CV216	Engineering Geology	
		CV217	Lab. Practice	
		CV221	Structural Mechanics-II	
		CV222	Surveying-II	
		CV223	Building Planning And Design	
		CV224	Fluid Mechanics-II	
		CV225	Water Resources Engg-I	
		CV226	Engg Mathematics-III	
		CV227	Computer Programming And Numerical Methods	
		ENV22	Environmental Studies	
		CV-311	Design of Steel Structures	2018-19
		CV-312	Geotechnical Engg I	
		CV-313	Environmental Engg I	
		CV-314	Water Resources Engg-II	
		CV-315	Transportation Engg.-I	
		SLH-31	Self Learning (H S S. course)	
		CV-316	Building Planning & Design using CADD	
		CV-321	Structural Mechanics-III	
		CV-322	Geotechnical Engg II	
		CV-323	Environmental Engg II	
		CV-324	Engineering Management- I	
		CV-325	Elective-I	
		CV-326	Self Learning (Technical course)	
		CV-327	Project on Steel Structures	
		CV-328	Mini Project in SM-III/GE-II/EEII/EM-I using Application Software	
		CV-329	Assessment of Field Training Report	
			Design of Concrete Structures-I	
			Quantity Surveying & Valuation	
			Earthquake Engg	
			Water Resources Engg. II	
			Elective - I: Open Channel & River Hydraulics, Air Pollution & control, Design of Foundations, Advanced Design of Concrete Structures, Managerial Techniques, Computer Applications in Civil Engg. Advanced structures, Entrepreneurship, Remote Sensing and GIS Applications	
			Seminar	
			Project work	
			Assessment of report on field training-II	
	Design of Concrete Structures-II			
	Construction Practices and Town Planning			
	Elective - II: Advanced Engg. Geology, Ground improvement Techniques, Traffic Engg & Control, Infrastructural Engineering, Project Appraisal, Solid and Hazardous & Waste Management, Dynamics of Structures, Environmental Management, Design of Bridges			
	Elective - III: Advanced Design of Steel Structures, Industrial Waste Treatment, Water Power Engg, Advanced Concret Technology, Reliability Engg., Finite Element Method, Experimental Stress Analysis, Optimization Techniques, Disaster Management			
	R. C. C. Structural Design & Drawing-II			
	Project work			



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1.1 List of courses offered across all programs				
A.Y. 2018-2019				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Mechanical-Design Engineering (PG)				
1-1408968333	Mechanical- Design Engineering (PG)		Advanced Stress Analysis	2018-19
			Advanced Vibrations and Acoustics	
			Industrial Instrumentation	
			Elective- I	
			Research Methodology and IPR	
			Advanced Vibrations and Acoustics Lab	
			Industrial Instrumentation Lab	
			Seminar -I	
			Finite Element Method	
			Advanced Design Engineering	
			Industrial Product Design	
			Elective- II 1. Theory and Analysis of Composite Materials 2. Engineering Design Optimization 3 Industrial Tribology 4. Advanced Engineering Materials	
			Elective- III 1. Engineering Fracture Mechanics 2 Project Management 3 Design for Manufacture and Assembly 4. Analysis and Synthesis of Mechanisms and Machine	
			Finite Element Method Lab	
			Product Design Lab	
			Seminar-II	
			Lab Practices	
			Open Elective 1. Business Analytics 2. Operation Research 3. Cost Management of Engineering Projects 4 Non conventional Energy	
	Dissertation Phase I : Synopsis Submission Seminar			
	Dissertation Phase II : Progress Seminar			
	Dissertation Phase -III Progress Report presentation and submission			
	Dissertation Phase -IV Final presentation and submission of report			
	Dissertation Viva voice			
Computer Science and Engineering (PG)				
1-1408968341	Computer Science & Engineering (PG)		Applied Algorithm	2018-19
			Theory of Computation	
			Data Mining	
			Machine Learning	
			Elective-I Natural Language Processing, Soft Computing, Computer Seminar-I	
			Research Methodology & IPR	
			Internet of Things	
			Internet Routing Algorithm	
			Elective-II Reinforcement Learning, Advanced Cloud Computing, High Performance Computing, Software Defined Network	
			Elective-III Wireless Sensor Network, Infrastructure Management, Real Time Operating System, Advances in Database System	
			Seminar-II	
			Self Learning Course- Big Data, Computer Network Administration, Open Source Technologies, Usability Engineering	
			Open Elective Course-Business Analytics, Operation Research, Cost Management of Engineering Projects, Non Conventional Energy	
			Dissertation Phase-I Synopsis Submission Seminar	
			Dissertation Phase-II ICA	
			Dissertation Phase-II: Progress Seminar	
			Dissertation Phase-III: Progress Seminar	
			Dissertation Phase-IV	
	Final Presentation and viva-voce			



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I.1 List of courses offered across all programs				
A.Y. 2018-2019				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Electronics and Tele-Communication Engineering (PG)				
1-1408968335	Electronics & Tele-communication Engineering (PG)		Research Methodology and IPR	2018-19
			Antenna Design and Application	
			Soft Computing methods	
			Seminar I	
			Advanced Network Systems	
			Elective I- Biomedical Signal Processing	
			Advanced Internet of Things	
			RF Circuit Design	
			Artificial Intelligence and Machine Learning	
			Cryptography and Network Security	
			Elective II-Multimedia Processing	
			Seminar II	
			Self Learning Course	
			Open Elective Course	
			Dissertation Phase-I: Synopsis Submission Seminar	
			Dissertation Phase-II: ICA	
			Dissertation Phase-II: Progress Seminar	
	Dissertation Phase-III: Progress Seminar			
	Dissertation Phase-IV			
	Final Presentation and viva-voce			
Civil-Structural Engineering (PG)				
1-1408968343	Civil -Structural Engineering (PG)		Advanced structural analysis	2018-19
			Advanced Solid Mechanics	
			Structural Dynamics	
			Elective-I: Advanced Design of Concrete Structures, Design of Research Methodology and IPR	
			Structural design Lab	
			FEM in structural Engineering	
			Theory of plates and shells	
			Seismic design of multistoried buildings	
			Elective-II: Design of Prestressed Concrete Structures, Structural Audits.	
			Elective-III: Theory of Structural Stability, Design of RCC Bridges,	
			Advanced concrete Lab	
			Mini project	
			Lab. Practice	
			Open Elective Course-Business Analytics, Operation Research, Cost	
			Dissertation Phase-I: Synopsis Submission Seminar	
			Dissertation Phase-II: ICA	
			Dissertation Phase-II: Progress Seminar	
	Dissertation Phase-III: Progress Seminar			
	Dissertation Phase-IV: Final presentation and submission of report			
	Dissertation Viva -Voce			



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I.1 List of courses offered across all programs					
A.Y. 2018-2019					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
1-1408968337	Master of Business Administration (MBA)	Master of Business Administration (MBA)			2017-18
		Principles of Management			
		Accounting for Managers			
		Managerial Economics			
		Organisational Behaviour			
		Statistics for Management			
		Managerial Communication-I			
		Legal Aspects of Business			
		IT for Management/Taxation			
		Marketing Management			
		Financial Management			
		Human Resource Management			
		Production Management and Operation Research			
		International Business			
		Managerial Communication-II			
		Research Methodology			
		Event Management/ Banking and Insurance			
		Strategic Management			
		Management Accounting			
		Skill Development			
		Project Report & Viva			
		Group A- Marketing Management-Brand Management and Social Marketing, Sales and Distribution Management Group B- Financial Management-Indian Financial System, Financial Decision Analysis, Group B-Production and Materials Management-Purchasing And Inventory Management, Logistics And Supply Chain Management			2018-19
		Group C- Human Resource Management-Strategic Human Resource Management, Human Resource Initiatives Group C:-International Business Management-International Business Environment, Export Policy, Procedures and documents Group C:-System Management-Management Information System, ERP and SPD Group C:-Agriculture & Co-operative Management-Fundamentals of Agriculture & Cooperative Management, Agricultural Marketing.			
		Entrepreneurship Development			
		Quality Management			
		Group A- Marketing Management-Integrated Marketing Communications, Services and Retail and Marketing, International Marketing			
		Group B- Financial Management:- Project Planning And Management of Financial Services, Investment Management, International Finance; Group B - Production and Materials Management:-Industrial Engineering - Quality Management, World Class Manufacturing; Group C Human Resource Management:-Industrial Relations and Labour laws,HRD and Compensation Management, International Human Resource Management			
Group C - International Business Management -International Marketing, EXIM Management, International Logistics, Group C - System Management-Relational Database Management System, Security and control Information system, Programming Concepts & Advanced Excel. Group C - Agriculture & Co-operative Management- Agricultural Production Management, Agro Processing Industries and Rural Industrialisation, International Trade and Agriculture.					



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Date:-

1.1 List of courses offered across all programs				
A.Y. 2019-2020				
Program Code	Program Name	Course Code	Course Name	Year of introduction
General Science and Engineering				
I-1408968339 I-1408968327 I-1408968324 I-1408968331 I-3675277161	Mechanical Engineering Computer Science & Engineering Electronics & Tele-communication Engineering Civil Engineering Electrical Engineering	C011	Engineering Physics	2018-19
		C012	Engineering Chemistry	
		C112	Engineering Mathematics I	
		C113	Basic Electrical & Electronics	
		C114	Engineering Mechanics	
		C115	Basic Mechanical Engineering	
		C116	Communication Skills	
		C117	Workshop Practice	
		C118	Induction Program	
		C122	Engineering Mathematics II	
		C123	Engineering Graphics & Design	
		C124	Basic Civil Engineering	
		C125	Programming for Problem	
C126	Professional Communication			
C127	Democracy, Elections and Good			
Mechanical Engineering				
I-1408968339	Mechanical Engineering	ME211	Applied Thermodynamics	2019-20
		ME212	Mechanics of Materials	
		ME213	Manufacturing Processes	
		ME214	Machine Drawing & CAD	
		ME215	Professional Elective-I: A. Microprocessors in Automations B. Internal Combustion Engines C. Composite Materials	
		MEV21	Environmental Sciences	
		ME221	Engineering Mathematics -III	
		ME222	Manufacturing Technology	
		ME223	Fluid Mechanics & Fluid Machines	
		ME224	Kinematics & Theory of Machines	
		ME225	Professional Elective-II: A. Mechatronic Systems B. Power Plant Engineering C. Solid Mechanics	
		ME226	Mechanical Workshop-I	
		ME227	Electrical Technology	



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1.1 List of courses offered across all programs				
A.Y. 2019-2020				
Program Code	Program Name	Course Code	Course Name	Year of introduction
1-1408958339	Mechanical Engineering	ME311	Theory of Machine -II	2018-19
		ME312	Metrology and Mechanical Measuremen	
		ME313	Metallurgy	
		ME314	Machine Design -I	
		ME315	Professional Elective -III. Machine Tool Design, Material Handling System. Fluid Machinery & Fluid Power	
		ME316	Advanced Computer Programming -I	
		ME317	Workshop Practices -IV	
		SLH31	Self Learning Course I -HSS	
		ME321	Heat and Mass Transfer	
		ME322	Internal Combustion Engine	
		ME323	CAD-CAM & CAE	
		ME324	Machine Design -II	
		ME325	Professional Elective - IV. A. Experimental Stress Analysis B. Mechanical Vibration C. Tool engineering	
		ME326	Self Learning Course II-Technical	
		ME327	Advanced Computing Techniques' -II	
		ME328	Workshop Practice -V	
		ME411	Automatic Control Engineering	2019-20
		ME412	Refrigeration and Air Conditioning	
		ME413	OPERATIONS RESEARCH I	
		ME414	Professional Elective-V A. Finite Element Method (FEM) B. Production and Operational Management C. Automobile Engineering D. COSTING & COST CONTROL	
		ME415	Free Elective -I: A. Industrial Robotics B. Sugar Technology C. Entrepreneurship Development D. Process Equipment Design E. Railway Transportation Systems	
		ME416	Project Work -I	
		ME417	Industrial Training	
		ME421	Industrial Engineering	
		ME422	Industrial and Quality Management	
		ME423	Professional Elective VI: A. Non-Conventional Machining B. Mechatronics C. Computational Fluid Dynamics D. Process Engineering E. Power Plant and Energy Engineering	
		ME424	Free Elective-II. A. Software Engineering & Cyber Security B. Agro Machine Engineering C. Plastic Engineering D. Economics for Engineers E. Project Management F. Marketing Management G. Railway Transportation Management	
		ME425	Project Work -II	



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 Website.: www.sveri.ac.in (Approved by A.I.C.T.E., New Delhi and Affiliated to Solapur University, Solapur)
 NBA Accredited all eligible UG Programmes, NAAC Accredited Institute, ISO 9001:2015 Certified Institute.
 Accredited by The Institution of Engineers (India), Kolkata and TCS, Pune.

Ref.:-

Date:-

1.1 List of courses offered across all programs					
A.Y. 2019-2020					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
Computer Science and Engineering					
I-1408968327	Computer Science & Engineering	CS 211	Applied Mathematics - I	2019-20	
		CS 212	Discrete Mathematical Structures		
		CS 213	Data Communication		
		CS 214	Digital Techniques		
		CS 215	Computer Graphics		
		CS 216	Advanced C Concepts		
		CS 221	Applied Mathematics -II		
		CS 222	Theory of Computation		
		CS 223	Microprocessors		
		CS 224	Data Structures		
		CS 225	Computer Networks		
		CS 226	Object Oriented Programming through C++		
		ENV22	Environmental Studies		
		CS311	Operating System Concepts		2018-19
		CS312	System Programming		
		CS313	Database Engineering		
		CS314	Design and Analysis of Algorithms		
		CS315	Computer Organization		
		CS316	Java Programming		
		SLH31	Self Learning Module 1		
		CS321	Compiler Construction		
		CS322	Unix Operating System		
		CS323	Mobile Computing		
		CS324	Software Engineering		
		CS325	Mobile Application Development		
		CS 326	Programming in C# net		
		CS 327	Mini-Project		
		SLH 32	Self Learning Module 2		
		CS411	Advanced Computer Architecture	2019-20	
		CS412	Distributed Systems		
		CS413	Modern Database Systems		
		CS 414A to CS 414C	Elective -I : CS414A : Internet of Things, CS414B : Wireless Adhoc Networks, CS414C : Artificial Intelligence		
		CS 415A to CS 415C	Elective-II :CS415A : Business Intelligence, CS415B : Data Mining, CS415C : Object Oriented Modeling and Design		
		CS416	# Programming with Python		
		CS417	Project Phase-I		
		CS418	Vocational Training		
		CS421	Management Information System		
		CS-422	Information and Cyber Security		
		CS423A to CS423C	Elective-III : CS423A : Big data Analytics CS423B : Human Computer Interaction CS423C : Artificial Neural Network		
		CS424A to CS424C	Elective-IV: CS424A : Software Testing and Quality Assurance,CS424B : Cloud Computing,CS424C : Machine Learning		
		CS425	# Web Technology		
		CS426	Project Phase-II		



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I.1 List of courses offered across all programs				
A.Y. 2019-2020				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Electronics and Tele-Communication Engineering				
I-1408968324	Electronics & Tele-communication Engineering	ET211	Engineering Mathematics-III	2019-20
		ET212	Electronics Circuit Analysis and Design	
		ET213	Network Theory and Analysis	
		ET214	Digital Techniques	
		ET215	Analogue Communication	
		ET216	Electronics Software Lab-I	
		ENV21	Environmental Science I	
		ET221	Principales of Digital Communications	
		ET222	Data Structures	
		ET223	Control System	
		ET224	Analog Integrated Circuits	
		ET225	Signals and Systems	
		ET226	Electronics Software Lab-II	
		ET311	Electromagnetic Engineering and Radiation System	
		ET312	Principales of Digital Communication	
		ET313	Software Engineering and Project Management System	
		ET314	Digital Signal Processing	
		ET415	Microcontroller-I	
		SLH31	Self Learning Course-I (LISS)	
		ET316	Electronic Software Lab-III	
		ET321	Radar and Microwave Engineering	
		ET322	Microcontroller II(PIC)	
		ET323	Electronics Applications and System Design	
		ET324	Optical Communication	
		ET325	Mobile Communication	
		ET327	Self Learning Course II (Technical)	
		ET326	Mini Project (Hardware)	
		ET411	Computer Communication Network	2019-20
		ET412	Embedded System Design	
		ET413	Satellite Communicator	
		ET414	Database Management System	
		ET415	Elective I-Image and Video Processing	
		ET416	Seminar and Project	
		ET417	Vocational Training	
		ET421	Internet of Things(IoT)	
		ET422	Multimedia Communication Techniques	
		ET423	VLSI Design	
		ET424	Elective II-Network Security	
		ET416	Seminar and Project	
		ET425	Project	



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I.1 List of courses offered across all programs

A.Y. 2019-2020					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
I-1408968331	Civil Engineering	Civil Engineering			2019-20
		CV211	Concrete Technology, Material Testing & Evaluation		
		CV212	Surveying & Geomatics		
		CV213	Building Construction & Drawing		
		CV214	Introduction to Fluid mechanics		
		CV215	Engineering Geology		
		CV216	Introduction to Solid Mechanics		
		CV217	Energy Science & Engineering		
		CV218	Lab practice		
		CV221	Water Supply Engineering		
		CV222	Building Planning & Design		
		CV223	Hydraulic Engineering		
		CV224	Open Elective-I. ICT for development		
		CV225	Structural Analysis		
		CV226	Engineering Mathematics-III		
		CV227	Computer Programming & Numerical Methods		
		CV-311	Design of Steel Structures	2018-19	
		CV-312	Geotechnical Engg I		
		CV-313	Environmental Engg I		
		CV-314	Water Resources Engg-II		
		CV-315	Transportation Engg -I		
		SLII-31	Self Learning (H.S.S. course)		
		CV-316	Building Planning & Design using CADD		
		CV-321	Structural Mechanics-III		
		CV-322	Geotechnical Engg. II		
		CV-323	Environmental Engg. II		
		CV-324	Engineering Management- I		
		CV-325	Elective-I		
		CV-326	Self Learning (Technical course)		
		CV-327	Project on Steel Structures		
		CV-328	Mini Project in SM-III/GE-II/EEII/EM-I using Application Software		2019-20
		CV-329	Assessment of Field Training Report		
			Design of Concrete Structures-I		
			Quantity Surveying & Valuation		
			Earthquake Engg.		
			Engineering Management-II		
			Elective - II: Open Channel & River Hydraulics, Air Pollution & control, Design of Foundations, Advanced Design of Concrete Structures, Managerial Techniques, Computer Applications in Civil Engg. Advanced structures, Entrepreneurship, Remote Sensing and GIS Applications.		
			Seminar		
			Project work		
			Assessment of report on field training-II		
			Design of Concrete Structures-II		
			Construction Practices and Town Planning		
			Transportation Engg.-II		
			Elective - III: Advanced Engg. Geology, Ground improvement Techniques, Traffic Engg. & Control, Infrastructural Engineering, Project Appraisal, Solid and Hazardous & Waste Management, Dynamics of Structures, Environmental Management, Design of Bridges		
			Project on R. C. C. Structures		
	Project work				



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I.1 List of courses offered across all programs				
A.Y. 2019-2020				
Program Code	Program Name	Course Code	Course Name	Year of introduction
Electrical Engineering				
I-3675277161	Electrical Engineering	EL211	Engineering Mathematics-III	2019-2020
		EL212	Electrical Machine-I	
		EL213	Electrical Measurement & Instrumentation	
		EL214	Power System-I	
		EL215	Electronic Devices & Circuits	
		EL216	Object Oriented Programming with C++	
			Environmental Science	
		EL221	Numerical Methods & Linear Algebra	
		EL222	Electrical Machine-II	
		EL223	Power System-II	
		EL224	Analog & Digital Integrated Circuits	
		EL225	Network Analysis	
EL226	Computer Aided Design and Simulation			
Mechanical-Design Engineering (PG)				
I-1408968333	Mechanical- Design Engineering (PG)		Advanced Stress Analysis	2018-19
			Advanced Vibrations and Acoustics	
			Industrial Instrumentation	
			Elective- I	
			Research Methodology and IPR©	
			Advanced Vibrations and Acoustics Lab	
			Industrial Instrumentation Lab	
			Seminar -I	
			Finite Element Method	
			Advanced Design Engineering	
			Industrial Product Design	
			Elective- II 1. Theory and Analysis of Composite Materials 2. Engineering Design Optimization 3. Industrial Tribology 4. Advanced Engineering Materials	
			Elective- III 1. Engineering Fracture Mechanics 2. Project Management 3. Design for Manufacture and Assembly 4. Analysis and Synthesis of Mechanisms and Machine	
			Finite Element Method Lab	
			Product Design Lab	
			Seminar-II	
			Lab Practices	
			Open Elective 1. Business Analytics 2. Operation Research 3. Cost Management of Engineering Projects 4. Non conventional Energy	
	Dissertation Phase I : Synopsis Submission Seminar			
	Dissertation Phase II - Progress Seminar			
	Dissertation Phase -III Progress Report presentation and submission			
	Dissertation Phase -IV Final presentation and submission of report			
	Dissertation Viva voice			



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I.1 List of courses offered across all programs					
A.Y. 2019-2020					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
Computer Science and Engineering (PG)					
I-1408968341	Computer Science & Engineering (PG)		Applied Algorithm	2018-19	
			Theory of Computation		
			Data Mining		
			Machine Learning		
			Elective-I- Natural Language Processing, Soft Computing, Computer Vision, Object Oriented Software Engineering		
			Seminar-I		
			Research Methodology & IPR		
			Internet of Things		
			Internet Routing Algorithm		
			Elective-II Reinforcement Learning, Advanced Cloud Computing, High Performance Computing, Software Defined Network		
			Elective-III Wireless Sensor Network, Infrastructure Management, Real Time Operating System, Advances in Database System		
			Seminar-II		
			Self Learning Course- Big Data, Computer Network Administration, Open Source Technologies, Usability Engineering		2019-20
			Open Elective Course-Business Analytics, Operation Research, Cost Management of Engineering Projects, Non Conventional Energy		
	Dissertation Phase-I: Synopsis Submission Seminar				
	Dissertation Phase-II: ICA				
	Dissertation Phase-II: Progress Seminar				
	Dissertation Phase-III: Progress Seminar				
	Dissertation Phase-IV				
	Final Presentation and viva-voce				
Electronics and Tele-Communication Engineering (PG)					
I-1408968335	Electronics & Tele-communication Engineering (PG)		Research Methodology and IPR	2018-19	
			Antenna Design and Application		
			Soft Computing Methods		
			Advanced Network Systems		
			Elective I- Biomedical Signal Processing		
			Seminar I		
			Advanced Internet of Things		
			RF Circuit Design		
			Artificial Intelligence and Machine Learning		
			Cryptography and Network Security		
			Elective II-Multimedia Processing	2019-20	
			Seminar II		
			Self Learning Course		
			Open Elective Course		
			Dissertation Phase-I. Synopsis Submission Seminar		
			Dissertation Phase-II: ICA		
			Dissertation Phase-II: Progress Seminar		
			Dissertation Phase-III: Progress Seminar		
			Dissertation Phase-IV		
			Final Presentation and viva-voce		



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I.1 List of courses offered across all programs					
A.Y. 2019-2020					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
1-1408968343	Civil -Structural Engineering (PG)	Civil-Structural Engineering (PG)			2018-19
		Advanced structural analysis			
		Advanced Solid Mechanics			
		Structural Dynamics			
		Elective-I: Advanced Design of Concrete Structures, Design of Formwork, Advanced Design of Foundation, Structural Optimization			
		Research Methodology and IPR			
		Structural design Lab			
		FEM in structural Engineering			
		Theory of plates and shells			
		Seismic design of multistoried buildings			
		Elective-II: Design of Prestressed Concrete Structures, Structural Audits, Concrete Composites, Design of Industrial Structures			
		Elective-III: Theory of Structural Stability, Design of RCC Bridges, Advanced Steel Design, Soil Structure Interaction.			
		Advanced concrete Lab			
		Mini project			
		Lab Practice			
		Open Elective Course-Business Analytics, Operation Research, Cost			2019-20
		Dissertation Phase-I: Synopsis Submission Seminar			
		Dissertation Phase-II: ICA			
		Dissertation Phase-II: Progress Seminar			
		Dissertation Phase III: Progress Seminar			
Dissertation Phase-IV: Final presentation and submission of report					
Dissertation Viva –Voce					



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1.1 List of courses offered across all programs					
A.Y. 2019-2020					
Program Code	Program Name	Course Code	Course Name	Year of introduction	
I-1408968337	Master of Business Administration (MBA)	Master of Business Administration (MBA)			2017-18
			Principles of Management		
			Accounting for Managers		
			Managerial Economics		
			Organisational Behaviour		
			Statistics for Management		
			Managerial Communication-I		
			Legal Aspects of Business		
			IT for Management/Taxation		
			Marketing Management		
			Financial Management		
			Human Resource Management		
			Production Management and Operation Research		
			International Business		
			Managerial Communication-II		
			Research Methodology		
			Event Management/ Banking and Insurance		
			Strategic Management		
			Management Accounting		
			Skill Development		
			Project Report & Viva		
				Group A- Marketing Management-Brand Management and Social Marketing, Sales and Distribution Management Group B- Financial Management-Indian Financial System, Financial Decision Analysis Group B -Production and Materials Management-Purchasing And Inventory Management, Logistics And Supply Chain Management	2018-19
				Group C - Human Resource Management-Strategic Human Resource Management , Human Resource Initiatives Group C-International Business Management-International Business Environment, Export Policy, Procedures and documents Group C:-Systems Management-Management Information System, ERP and SPD Group C.-Agriculture & Co-operative Management-Fundamentals of Agriculture & Cooperative Management, Agricultural Marketing	
				Entrepreneurship Development	
				Quality Management	
				Group A- Marketing Management -Integrated Marketing Communications , Services and Retail and Marketing , International Marketing Group B- Financial Management - Project Planning And Management of Financial Services, Investment Management, International Finance, Group B:- Group B – Production and Materials Management:-Industrial Engineering , - Quality Management ,World Class Manufacturing, Group C Human Resource Management:-Industrial Relations and Labour laws,HRD and Compensation Management ,International Human Resource Management	
				Group C – International Business Management :-International Marketing,EXIM Management ,International Logistics ,Group C – System Management -Relational Database Management System,Security and control Information system,Programming Concepts & Advanced Excel, Group C – Agriculture & Co-operative Management - Agricultural Production Management, Agro Processing Industries and Rural Industrialisation,International Trade and Agriculture,	



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