The Annual Quality Assurance Report (AQAR) of the IQAC

Part – A

1. Details of the Institution

1.1 Name of the Institution

> Sanjivani Rural Education Society's Sanjivani College of Engineering

1.2 Address Line 1

> At. Sahajanandnagar P.O. Shingnapur Tal. Kopargaon
> Dist. Ahmednagar (Maharashtra) 423 603, India.

Address Line 2

> At. Sahajanandnagar P.O. Shingnapur Tal. Kopargaon
> Dist. Ahmednagar (Maharashtra) 423 603, India.

City/Town

> Kopargaon

State

> Maharashtra

Pin Code

> 423 603

Institution e-mail address

> www.sanjivanicoe.org.in

Contact Nos.

> (02423) 222862, 223362

Name of the Head of the Institution:

> Dr. D. N. Kyatanavar

Tel. No. with STD Code:

> Ph: (02423) 222862, 223362

Mobile:

> 9226798745, 9850866855

Name of the IQAC Co-ordinator:

> Prof. R. G. Zope

Mobile:

9420952161

IQAC e-mail address:

principalcoe@sanjivani.org.in

zoperajendrakumaretc@sanjivani.org.in

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

MHCOGN26913

1.4 **NAAC Executive Committee No. & Date:**
(For Example EC/32/A&A/143 dated 3-5-2004.
This EC no. is available in the right corner- bottom
of your institution's Accreditation Certificate)

EC(SC)/27/A&A/22.1 Dated 12-09-2017

1.5 Website address:

www. sanjivanicoe.org.in

Web-link of the AQAR:

http://www.sanjivanicoe.org.in/wp-content/uploads/2018/11/AQAR201718.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	Awarded 'A' Grade by NACC,Banglore			
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC: DD/MM/YYYY

23/07/2016

1.8 AQAR for the year *(for example 2010-11)*

2017-18

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC (*(for example AQAR 2010-11submitted to NAAC on 12-10-2011)*

   i.   AQAR   ----------------------------- (27/11/2018)
   ii. AQAR   ----------------------------- (DD/MM/YYYY)
   iii. AQAR   ----------------------------- (DD/MM/YYYY)
   iv. AQAR   ----------------------------- (DD/MM/YYYY)

1.10 Institutional Status

University　　　　State ☐　Central ☐　Deemed ☐　Private ✔

Affiliated College　　　Yes ✔　No ☐

Constituent College　　　Yes ☐　No ✔

Autonomous college of UGC　Yes ☐　No ✔

Regulatory Agency approved Institution　　Yes ✔　No ☐

(eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution　Co-education ✔　Men ☐　Women ☐

　　　　　　　　Urban ☐　Rural ✔　Tribal ☐

Financial Status　　Grant-in-aid ☐　UGC 2(f) ✔　UGC 12B ☐

　　　　Grant-in-aid + Self Financing ☐　Totally Self-financing ✔

1.11 Type of Faculty/Programme

Arts ☐　Science ☐　Commerce ☐　Law ☐　PEI (Phys Edu) ☐

TEI (Edu) ☐　Engineering ✔　Health Science ☐　Management ✔

Others　(Specify)　[.]

1.12 Name of the Affiliating University *(for the Colleges)*　[Savitribai Phule Pune University, Pune]

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University　[ ]

University with Potential for Excellence　[ ]　UGC-CPE　[ ]

DST Star Scheme ☐   UGC-CE ☐

UGC-Special Assistance Programme ☐   DST-FIST ☐

UGC-Innovative PG programmes ☐   Any other (*Specify*)

UGC-COP Programmes ☐

- DSIR, Govt. of India Recognized
- Awarded as 'A' grade Institute by DTE, Mumbai
- Awarded as Best College by SPPU, Pune.
- Civil Engineering UG programme is accredited by NBA,New Delhi till 30th June,2021.
- Best educational Institute in Academic and Industry Interface, National Education Awards 2018 by ABP News.
- Best Principal award, National Education Awards 2018 by ABP News.

2. IQAC Composition and Activities

2.1 No. of Teachers | 09

2.2 No. of Administrative/Technical staff | 02

2.3 No. of students | 00

2.4 No. of Management representatives | 01

2.5 No. of Alumni | 02

2. 6 No. of any other stakeholder and

community representatives | 01

2.7 No. of Employers/ Industrialists | 02

2.8 No. of other External Experts | 00

2.9 Total No. of members | 17

2.10 No. of IQAC meetings held | 03

2.11 No. of meetings with various stakeholders: No. | 04   Faculty | 01

Non-Teaching Staff | 01   Students | 01   Alumni | 01   Others |

2.12 Has IQAC received any funding from UGC during the year?   Yes ☐   No ✓

   If yes, mention the amount

2.13 Seminars and Conferences (only quality related)

   (i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

   Total Nos. | 02 | International | 00 | National | 01 | State | 00 | Institution Level | 01 |

   (ii) Themes

- Institute level Sanjivani Techfest - 2017.
- Two day National Level Seminar on Emerging Innovations and strategic Business Practices Sanjyot-2018
- Institute level SAP (Student Academy Program) Training Program.
- Two Weeks Faculty development program on Present Scenario of Treatment of waste in India: challenges, Issues and New Techniques of Treatment.
- Two day workshop on Study of special types of concrete and its applications.
- Two day workshop on Computer Aided Analysis and design of prestressed concrete structures.

2.14 Significant Activities and contributions made by IQAC

- Stake holder's feedback was taken based on which Institute ensures effective quality assurance.
- To enhance Programming skills of UG student, "ICT based Java certification course through Moodle" is conducted at the Institute.
- Academic and administrative internal audit was conducted for ISO 9001:2008 with support of IQAC Coordinators, ISO Coordinators and other ISO auditors.
- National level event Sanjivani Techfest- 2018 is organized at Institute successfully with great response from UG/PG and MBA Students.

2.15 Plan of Action by IQAC/Outcome

   The plan of action chalked out by the IQAC in the beginning of the year towards quality

   enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
To improve learning capability of slow learners.	Remedial classes and tests are conducted for the slow learners after the regular hours of the Institute. Handouts, class notes etc. are provided to such students for easy understanding of the topics.

To Identify Subjects which need extra teaching efforts beyond university syllabus structure framework.	Tutorial Classes are conducted and students get better attention from faculty to understand subject related difficulties. Few classes are spent on content beyond syllabus and for self study.
To organize a National Level event " Sanjivani Techfest 2018"	1. Students get exposure of the Technical field and get a chance to enhance their knowledge. 2. Students learned the lessons of leadership, team work, team building, working in challenging and stressful circumstances, hospitality

Attached the Academic Calendar of the year as Annexure- I.

2.15 Whether the AQAR was placed in statutory body   Yes ✓   No ☐

Management ✓   Syndicate ☐   Any other body ☐

Provide the details of the action taken

The AQAR report for the year 2017 -18 was discussed in the top level management. It was resolved to accept the same in total.

Part – B

Criterion – I
Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	03	NIL	03	NIL
PG	05	NIL	05	NIL
UG	06	NIL	06	NIL
PG Diploma	---	---	---	---
Advanced Diploma	---	---	---	---
Diploma	---	---	---	---
Certificate	---	---	---	---
Others	---	---	---	---
Total	14	NIL	14	NIL

Interdisciplinary	---	---	---	---
Innovative	---	---	---	---

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / Open options
    (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	14
Trimester	---
Annual	---

1.3 Feedback from stakeholders*   Alumni ☑ Parents ☑ Employers ☑ Students ☑
    (On all aspects)

    Mode of feedback   :   Online ☑ Manual ☑ Co-operating schools (for PEI) ☒

Please provide an analysis of the feedback in the Annexure

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

Subject	Salient aspects
Civil Engineering	
1. Hydrology and water resource engineering.	1. External Oral is added in this subject. 2. Abstractions of Precipitation: Intersection, Depression storage, Shaft, Empirical Techniques to determine runoff, Introduction, Factors affecting Flood Hydrograph, Components of Hydrograph this part is added 3. Base flow separation, Effective rainfall, Encoders, Bubblers System, and Lift Irrigation Schemes: Various components and their design principles, lifting devices this part is removed.

2. Infrastructure Engineering	1. Railways-Rail joints, types, evil effects, remedial measures, Diaphragm walls- purpose and construction methods, Prefabrication – applications, advantages and disadvantages. Construction equipment's-Various types of hoists And cranes and selection, Boom placers, Simple numerical problems on cycle time and production rate part is added.
3. Structural Design I	1. Code -SP38 is added.
4. Structural Analysis II.	1. Concept of local and global stiffness matrix part is removed.
5. Fluid Mechanics-II	1. Term work is removed,
6. Employability Skills Development.	1. Analyzing and investigating, Planning, Flexibility, Self Lifelong Learning part is removed.
7. Advanced Surveying	1. External Oral is removed and Term work is added.
8. Project Management and Engineering Economics	1. Management by objectives part is added.
9. Foundation Engineering	1. Effect of liquefaction, Evaluation of liquefaction susceptibility, Liquefaction hazard mitigation part is removed.
10. Structural Design –II	1. In term work Design of three types columns for, (a) axial load, (b)axial load + uniaxial BM, (c)axial load +biaxial BM), from terrace level to footing along with detailed load calculations and footing for columns with (a) axial load (b)axial load + uniaxial BM. part is added.
11. Environmental Engineering-I	1. Noise control techniques, Introduction to process description of RO, Pressure Filters) part is removed.
	2. Municipal Solid Waste: Concept of Municipal Solid waste management, Sources, Classifications, Treatment (composting &anaerobic digestion) Disposal (sanitary land fill) part is added. Assignment 1. Study of Water intake structures.
	2. Complete Design of WTP using appropriate software is added in this subject.
12. Seminar	1. In order to increase the interest of students and engage them in active learning, mini projects/complex problems are added.

Subject	Silent Aspect
Computer Engineering	
1.Theory of Computation	1. To Study abstract computing models
	2. To learn Grammar and Turing Machine
	3. To learn about the theory of computability and complexity.
2.Database Management Systems	1. To understand the fundamental concepts of database management. These concepts include aspects of database design, database languages, and database-system implementation
	2. To provide a strong formal foundation in database concepts, technology and practice
	3. To give systematic database design approaches covering conceptual design, logical design and an overview of physical design
	4. Be familiar with the basic issues of transaction processing and concurrency control
	5. To learn and understand various Database Architectures and Applications
	6. To learn a powerful, flexible and scalable general purpose database to handle big data
3. Software Engineering and Project Management	1. To learn and understand the principles of Software Engineering
	2. To be acquainted with methods of capturing, specifying, visualizing and analyzing software requirements.

	3. To apply Design and Testing principles to S/W project development. 4. To understand project management through life cycle of the project. 5. To understand software quality attributes.
4.Information Systems and Engineering Economics	1. To prepare the students to various forms of the Information Systems and its application in organizations. 2. To expose the students to the managerial issues relating to information systems and help them identify and evaluate various options in Information Systems. 3. To Prepare engineering students to analyze cost / revenue data and should be able to do economic analyses in the decision making process to justify or reject alternatives / projects on an economic basis for an organization.
5.Computer Networks	1. To understand the fundamental concepts of networking standards, protocols and technologies. 2. To learn different techniques for framing, error control, flow control and routing. 3. To learn role of protocols at various layers in the protocol stacks. 4. To learn network programming. 5. To develop an understanding of modern network architectures from a design and performance perspective
6.Skill Development Lab	1. To adapt the usage of modern tools and recent software. 2. To evaluate problems and analyze data using current technologies 3. To learn the process of creation of data-driven web applications using current technologies 4. To understand how to incorporate best practices for building enterprise applications 5. To learn how to employ Integrated Development Environment(IDE) for implementing and testing of software solution 6. To construct software solutions by evaluating alternate architectural patterns.
7.Database Management System Lab	1. To develop basic, intermediate and advanced Database programming skills 2. To develop basic Database administration skills 3. To percept transaction processing
8.Computer Networks Lab	1. To establish communication among the computing nodes in P2P and Client-Server architecture 2. Configure the computing nodes with understanding of protocols and technologies. 3. Use different communicating modes and standards for communication 4. Use modern tools for network traffic analysis 5. To learn network programming.
9.Audit Course 3 Professional Ethics and Etiquettes	1. To create awareness on professional ethics and Human Values. 2. To provide basic familiarity about Engineers as responsible Experimenters, Research Ethics, Codes of Ethics, Industrial Standards. 3. To inculcate knowledge and exposure on Safety and Risk. 4. To expose students to right attitudinal and behavioral aspects
10.Audit Course 3 MOOC-Learn New Skills	1. To promote interactive user forums to support community interactions among students, professors, and experts 2. To promote learn additional skills anytime and anywhere 3. To enhance teaching and learning on campus and online
11.Design and Analysis of Algorithms	1. To develop problem solving abilities using mathematical theories 2. To analyze the performance of algorithms 3. To study algorithmic design strategies
12.Systems Programming	1. To understand basics of System Programming.

and Operating System	2. To learn and understand data structures used in design of system software.
	3. To learn and understand basics of compilers and tools.
	4. To understand functions of operating system.
	5. To learn and understand process, resource and memory management.
13.Embedded Systems and Internet of Things	1. To understand fundamentals of IoT and embedded system including essence, basic design strategy and process modeling.
	2. To introduce students a set of advanced topics in embedded IoT and lead them to understand research in network.
	3. To develop comprehensive approach towards building small low cost embedded IoT system.
	4. To understand fundamentals of security in IoT,
	5. To learn to implement secure infrastructure for IoT
	6. To learn real world application scenarios of IoT along with its societal and economic impact using case studies
14.Software Modeling and Design	1. To understand and apply Object Oriented(OO) concept for designing OO based model/application
	2. To transform Requirement document to Appropriate design
	3. To understand different architectural designs and to transform them into proper model
	4. To choose and use modern design tools for project development and implementation.
	5. To choose and use appropriate test tool for testing web-based/desktop application
15.Web Technology	1. To understand the principles and methodologies of web based applications development process
	2. To understand current client side and server side web technologies
	3. To understand current client side and server side frameworks
	4. To understand web services and content management
16.Seminar and Technical Communication	1. To explore the basic principles of communication (verbal and non-verbal) and active, empathetic listening, speaking and writing techniques.
	2. To expose the student to new technologies, researches, products, algorithms, services
17.Web Technology Lab	1. To use current client side and server side web technologies
	2. To implement communication among the computing nodes using current client side and server side technologies
	3. To design and implement web services with content management
18.System Programming & Operating System Lab	1. To implement basic language translator by using various needed data structures
	2. To implement basic Macro-processor
	3. To design and implement Dynamic Link Libraries
	4. To implement scheduling schemes
19.Embedded Systems & Internet of Things Lab	1. To understand functionalities of various single board embedded platforms fundamentals
	2. To develop comprehensive approach towards building small low cost embedded IoT system.
	3. To understand different sensory inputs.

Subject	Silent Aspect
Mechanical Engineering	
1.Design of M/c Elements I	Syllabus is same as per previous course

2.Heat Transfer	Syllabus is not revised
3.TOM II	1. Graphical method on synthesis to be taught during practical hours.
	2. Gyroscopic effect on two wheelers removed from syllabus
	3. Synthesis of mechanism is added in syllabus
4.Turbo machinery	1. Syllabus is not revised
5. Meteorology and quality control	1. Quality function deployment is added in the syllabus
6. Skill development	1. Assembly and Dissembly of 6 components added in syllabus
	Drawing sheet of of assembly added
7. Numerical methods of optimization	1. NR method is removed from the syllabus.
8. Design of M/c Elements II	1. Bending stress factor,speed factor, zone factor added in syllabus
	2. Assignment topics are given
9.Refrigeration and air conditioning	1. Air refrigeration cycle is removed from syllabus
10.Mechatronics	2. Syllabus is not revised
11. MP II	1. CNC lathe programme will be asked in examination
	2. Jigs and fixture design added
12. Seminar	1. Inter panel to be appointed by Principal for examination

Subject	Sailent Aspects
Information Technology	
1.Theory of computation	1. To understand problem classification and problem solving by machines.
	2. To understand the basics of automat theory and its operations.
	3. To study computing machines by describing, classifying and comparing different types of computational models.
	4. Encourage students to study theory of computability and complexity.
	5. To understand the P and NP class problems and its classification.
	6. To understand the fundamentals of problem decidability and reducibility.
2. Database management systems	1. To understand the fundamental concepts of database management. These concepts include aspects of database design, database languages, and database-system implementation.
	2. To provide a strong formal foundation in database concepts, technology and practice.
	3. To give systematic database design approaches covering conceptual design, logical design and an overview of physical design.
	4. To be familiar with the basic issues of transaction processing and concurrency control.
	5. To learn and understand various Database Architectures and Applications.

	6. To understand how analytic and big data affect various functions now and in the future.
3.Operating system	1. To introduce basic concepts and functions of modern operating systems. 2. To understand the concept of process and thread management. 3. To understand the scheduling of processes and threads. 4. To understand the concept of concurrency control. 5. To understand the concept of I/O and File management. 6. To understand various Memory Management techniques.
4.Software Engineering &Project Management	1. To understand the nature of software complexity in various application domains, disciplined way of software development and software life cycle process models. 2. To introduce principles of agile software development, the SCRUM process and agile practices. 3. To know methods of capturing, specifying, visualizing and analyzing software requirements. 4. To understand project management through life cycle of the project. 5. To understand current and future trends and practices in the IT industry. 6. To learn about project planning, execution, tracking, audit and closure of project.
5.Human-Computer Interaction	1. To introduce to the field of human-computer-interaction study. 2. To gain an understanding of the human part of human-computer-interactions. 3. To learn to do design and evaluate effective human-computer-interactions. 4. To study HCI models and theories. 5. To understand HCI design processes. 6. To apply HCI to real life use cases.
6.software laboratory - I	1. Understand the fundamental concepts of database management. These concepts include aspects of database design, database languages, and database-system implementation. 2. To provide a strong formal foundation in database concepts, recent technologies and best industry practices. 3. To give systematic database design approaches covering conceptual design, logical design and an overview of physical design. 4. To learn the SQL and NoSQL database system. 5. To learn and understand various Database Architectures and its use for application development. 6. To programme PL/SQL including stored procedures, stored functions, cursors and packages.
7. Software laboratory – II	1. To introduce and learn Linux commands required for administration. 2. To learn shell programming concepts and applications. 3. To demonstrate the functioning of OS basic building blocks like processes, threads under the LINUX. 4. To demonstrate the functioning of OS concepts in user space like concurrency control (process synchronization, mutual exclusion & deadlock) and file handling in LINUX. 5. To aware Linux kernel source code details. 6. To demonstrate the functioning of OS concepts in kernel space like embedding the system call in any LINUX kernel.
8. Software laboratory – III	1. To understand the nature of software complexity in various application

	domains, disciplined way of software development and software life cycle process models.
	2. To introduce principles of agile software development, the SCRUM process and agile practices.
	3. To know methods of capturing, specifying, visualizing and analyzing software requirements.
	4. To understand concepts and principles of software design and architecture.
	5. To understand user-centric design approach.
	6. To apply principles of designing for effective user interfaces
9.AC3- I : Green Construction & Design	1. To motivate students for undertaking green construction projects, technical aspects of their design, obstacles to getting them done, and future directions of the field.
	2. To increase awareness of green construction issues, so that students will know the range of existing knowledge and issues.
	3. Proper use of energy, water and other resources without harming environment.
	4. To reduce waste pollution and Environment Degradation.
10 Audit Course 3 - II : Leadership and Personality Development	1. To develop inter personal skills and be an effective goal oriented leader.
	2. To develop personalities of students in order to empower them and get better insights into ones responsibilities in personal life to build better human being.
	3. To develop professionals with leadership quality along with idealistic, practical and moral values.
	4. To re-engineer attitude and understand its influence on behavior
	5. To help Students evolve as leaders and effectively handle real life challenges in and across the dynamic environment.
11. Audit Course 3 – III : Professional Ethics and Etiquettes	1. To learn the rules of good behavior for today's most common social and business situations, including the common courtesies of life
	2. To imbibe basic knowledge to make informed ethical decisions when confronted with problems in the working environment.
	3. To develop an understanding of how a societal moral varies with culture and how this influences ethical thought and action
	4. To develop an orientation towards business etiquettes and the proper etiquette practices for different business scenarios.
	5. To learn the etiquette requirements for meetings, entertaining, telephone, and Internet business interaction scenario.
12. Audit Course 3 – IV : Digital & Social Media Marketing	1. Get strategic understanding of Digital Marketing and Social Media Marketing.
	2. Understand how to use it for branding and sales.
	3. Understand its advantages & limitations.
	4. Become familiar with Best Practices, Tools & Technologies.
	5. Blend digital and social marketing with offline marketing. Plan and manage digital marketing budget.
	6. Manage Reporting & Tracking Metrics. Understand the future of Digital Marketing and prepare for it.
13.computer network technology	1. To understand services offered at different layers of network.
	2. To understand protocol used at different layers of network.
	3. To fathom wireless network and different wireless standards.
	4. To recognize differences in between different wireless networks and to learn different mechanism used at layers of wireless network.

	5. To know the applications of network and use the understood concepts for new application development.
	6. To explore recent trends in networking
13. Cloud computing	1. To become familiar with Cloud Computing and its ecosystem.
	2. To learn basics of virtualization and its importance.
	3. To evaluate in-depth analysis of Cloud Computing capabilities.
	4. To give technical overview of Cloud Programming and Services.
	5. To understand security issues in cloud computing.
	6. To be exposed to Ubiquitous Cloud and Internet of Things.
14. Systems programming	1. To study and understand different system software like Assembler, Macro-processor and Loaders / Linkers.
	2. To design and develop useful system software.
	3. To study and understand compiler design.
	4. To understand semantic analysis and storage allocation in compilation process.
	5. To understand different code generation techniques.
	6. To study different code optimization methods.
15. Design and analysis of algorithms	1. To understand the problem solving and problem classification.
	2. To know the basics of computational complexity analysis and various algorithm design strategies.
	3. To provide students with solid foundations to deal with a wide variety of computational problems.
	4. To provide a thorough knowledge of the most common algorithms and data structures.
	5. To analyze a problem and identify the computing requirements appropriate for its solutions.
	6. To understand the design of parallel algorithms.
16.data science and big data analytics	1. To introduce basic need of Big Data and Data science to handle huge amount of data.
	2. To understand the basic mathematics behind the Big data.
	3. To understand the different Big data processing technologies.
	4. To understand and apply the Analytical concept of Big data using R and Python.
	5. To visualize the Big Data using different tools.
	6. To understand the application and impact of Big Data.
17. Software laboratory – IV	1. To design and implement small size network and to understand various networking commands
	2. To provide the knowledge of various networking tools and their related concepts
	3. To understand various application layer protocols for its implementation in client/server environment
	4. To understand network layer protocols and its implementations.
	5. To explore and understand various simulations tools for network applications.
	6. To understand the fundamentals of wireless networks and standards
18. Software laboratory - V	1. To learn the concepts of assembler to design and implement two pass assembler.
	2. To study use of macros and its expansion process.
	3. To understand lexical analyzer and parser and its applications in compiler design.
	4. To learn the various algorithmic design paradigms.

	5. To apply appropriate algorithmic strategy in problem solving.
	6. To find the space and running time requirements of the algorithms.
19.software laboratory - VI	1. To understand Big data primitives and fundamentals.
	2. To understand the different Big data processing techniques.
	3. To understand and apply the Analytical concept of Big data using R/Python.
	4. To understand different data visualization techniques for Big Data.
	5. To understand the application and impact of Big Data
	6. To understand emerging trends in Big data analytics
20. Project based seminar	1. To perform focused study of technical and research literature relevant to a specific topic.
	2. To study, interpret and summarize literature scientifically.
	3. To build independent thinking on complex problems.
	4. To build collaborative work practices.
	5. To communicate scientific information to a larger audience in oral and written form.
	6. To use presentation standards and guidelines effectively.
21. Audit Course 4 - I : Intellectual Property Rights and Patenting	1. To gain the knowledge of the different types of Intellectual Property Rights (IPR).
	2. To understand Trademark, Industrial Designs, Copyright and Trade Secret.
	3. To learn about Patenting Systems in the World – USPTO, EPO.
	4. To get Knowledge of Indian Patenting System – IPO.
	5. To learn and understand different types of Contracts and Licensing and Open Source Software.
22. Audit Course 4 - II : Social Awareness and Governance Program	1. To Increase community awareness about social issues and to promote the practice of good governance in both private and public institutions, through policy advocacy and awareness creation in order to ensure proper utilization of public resources and good service delivery.
	2. Increase community awareness on health, education, and human rights.
	3. Transferring costs of social activities to other various segments of society.
	4. To enhance youth participation in decision-making, democracy and economic development.
23. Audit Course 4 – III : Sustainable Energy System	1. To understand the impact of engineering solutions on a global, economic, environmental, and societal context.
	2. To design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.
24. Audit Course 4 – IV : Health & Fitness Management	1. To provide students a general concept of Health education and fitness.
	2. To provide knowledge and understanding regarding health and nutrition.
	3. To familiarize the students regarding safety education and health primitive measures for day to day life.
	4. To promote and understanding of the value of physical and mental fitness for life skill development.

Subject	Salient Aspects
MBA Department	
Indirect Taxes (Finance) 403	The new syllabus is based on updation in indirect tax i. e. Goods & Service tax 1. To understand the basic concepts in various Indirect Tax Acts. 2. To understand procedural part of Indirect Taxes 3. To acquaint with online filling of various Forms & Returns **Unit No. 1**: Central Excise Duty : Introduction to Central Excise, Goods, and Excisable goods, Manufacture and Manufacturer, Classification of goods, Assessment of Duty and Valuation of Goods, Small Scale Industries (SSI's) Scheme, General Procedure under central Excise, E-filling of Central Excise Return. **Unit No. 2**: Custom Duty :Introduction to Custom Duty, Levy and types of Duties, Clearance of Goods, Valuation of Goods, E-Filling of Customs Duty Return. **Unit No. 3**: Central Sales Tax :Introduction to Central Sales Tax, Formulation of Principles for Determining (a) When a sale or purchase of goods takes place in the course of Inter State Trade and Commerce (b) Outside a State (c) Inter State Sales Tax (d) Rates, Levy and collection of Tax (e) Goods of Special Importance in Inter State Trade and commerce. **Unit No. 4:** Value Added Tax :Evaluation of VAT in India and it's Justification, Design of State level VAT, Principals, Variants and Methods of Computation of VAT, General requirement for VAT system, E-filling of Sales Tax Return. **Unit No. 5**: Service Tax :Service Tax – Concept and general Principles, Charges of Service Tax, Mega Exemption and other exemptions, Negative list of Services not taxable, place of provision of services Rules 2012, Registration, Valuation of Taxable Services, Payment of Service Tax, E-filling of service Tax Return, CENVAT Credit.

Subject	Salient Aspects
Electronics and Telecommunication	
1.Electromagnetic	1. To impart knowledge on the concepts of electromagnetic waves and Transmission lines. 2. Apply Maxwell's equations to solutions of problems relating to transmission lines and uniform plane wave propagation.
2.Advanced Processor	1. To introduce to the field of human-computer-interaction study. 2. To gain an understanding of the human part of human-computer-interactions. 3. To learn to do design and evaluate effective human-computer-interactions. 4. To study HCI models and theories. 5. To understand HCI design processes. 6. To apply HCI to real life use cases.

3.Information Theory Coding Techniques and Communication Networks	1. To Build and understanding of fundamental concepts of data communication and networking. 2. Apply flow and error control techniques in communication networks
4.Mechatronics	1. To understand the concept and key elements of Mechatronics system, representation into block diagram 2. To understand principles of sensors their characteristics 3. To Understand of various data presentation and data logging systems 4. To Understand concept of actuator 5. To Understand various case studies of Mechatronics systems
5.System Programming and Operating System	1. Interpret various OS functions used in Linux / Ubuntu
4.Digital Communication	There is no change in new syllabus.
5.Digital Signal Processing	1. Case Study of TMS320C67XX is removed . Vibration signature analysis for defective gear teeth, Speech noise reduction, two band digital crossover is added.
6.Business Management	1. Management Information Systems Unit is removed and Marketing Unit is added.
7.Power Electronics	1. Simulation of circuits by using Powers software is added . Power factor improvement techniques, Diode based boost converter. Single Phase dual converter with inductive load is added. 2. Device utilization factor, Harmonics Elimination/Modulation Techniques is added.
8.Micro controller	1. To study various hardware and software tools for developing applications.
9.Electronic System and Design	1. Introduction to DBMS and SQL . 2. Design of Communication System
10.Employability Skill and Mini Project	No change in Practical head subject.
11. Audit Course - III 1.Japanese Language Audit Course 2.Cyber and Information Security	1. To meet the needs of ever growing industry with respect to language support. 2. To get introduced to Japanese society and culture through language.
12. Audit Course-IV 1.Japanese Language Audit Course 2.Embedded System Design using MSP430	1. To meet the needs of ever growing industry with respect to language support. 2. To get introduced to Japanese society and culture through language.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Electrical Engineering

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of
permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
175	142	20	13	--

2.2 No. of permanent faculty with Ph.D.

27

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
06	21	03	02	01	01	00	00	10	24

2.4 No. of Guest and Visiting faculty and Temporary faculty

--	--	22

2.5 Faculty participation in conferences and symposia:

Department: Mechanical Engineering

No. of Faculty	International level	National level	State level
Attended	2	1	--
Presented papers	6	3	--
Resource Persons	1	--	--

Department: Civil Engineering

No. of Faculty	International level	National level	State level
Attended	6	--	--
Presented papers	6	--	--
Resource Persons	--	--	--

Department: Computer Engineering

No. of Faculty	International level	National level	State level
Attended	5	3	--
Presented papers	5	3	---
Resource Persons	2	--	--

Department: Electronics and Telecommunication Engineering

No. of Faculty	International level	National level	State level
Attended	--	--	--
Presented papers	1	6	
Resource Persons	10	2	9

Department: Information Technology

No. of Faculty	International level	National level	State level
Attended	--	5	7
Presented papers	--	1	
Resource Persons	--	--	1

Department: Master of Business Administration

No. of Faculty	International level	National level	State level
Attended	--	08	--
Presented papers	--	08	--
Resource Persons	--	--	--

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Faculty uploads video, PPTs, tutorials, assignments, lecture notes and other relevant materials on web portal and slideshare.
- Capsule courses have been introduced to second year, Third year and final year engineering students which includes the field / practical knowledge of civil engineering subjects.
- Use of open educational resources, E-learning - resources such as NPTEL, Moodle courses for innovative learning.
- Visit to various engineering industries to upgrade the knowledge and technological development.
- Guest lectures and software trainings are organized on regular basis.
- Faculty members are given specialized training by professionals under platform Sanjivani Transform lyfe.
- Faculty conducts Tutorials with brainstorming sessions to improve problem solving skills
- Institute conducts mock practical / oral examination for students.
- Project-based learning (PBL), visit to industries and guest lectures are organized on regular basis.
- Faculty uses computer simulation during the theory and practical classes.

Effort by the Institute

- Institute constantly encourages the faculty to adopt various innovative practices by deputing the faculty to various workshops and seminars involving Teaching Learning Process
- Most of the faculty have undergone Industry visit and Industrial Training during vacation.
- Faculty is encouraged to use various online resources such as NPTEL lectures for   teaching learning process.
- Institute encouraged faculty to participate in short term training programme (STTP),faculty development programme(FDP)and workshops on advanced topics to keep pace with the advanced level of knowledge and skills.
- Institute encouraged faculty to participate /Present papers in National/International conferences, journals and publish their articles to enrich their knowledge.

2.7   Total No. of actual teaching days
during this academic year

2.7 Total No. of actual teaching days during this academic year
| 180 |

2.8 Examination/ Evaluation Reforms initiated by
the Institution (for example: Open Book Examination, Bar Coding,
    Double Valuation, Photocopy, Online Multiple Choice Questions)

> For FE and SE students, online multiple choice (MCQ) tests are conducted and for TE
> and BE students, written examination is conducted by the SPPU Pune. Bar coding,
> photo-copying of the answer books are made available by the SPPU Pune to the students
> beside revaluation and rechecking of the answer books is also done, on request.

2.9 No. of faculty members involved in curriculum restructuring/revision/syllabus development as
member of Board of Study/Faculty/Curriculum Development workshops
| 31 |

2.10 Average percentage of attendance of students
| 75 |

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Division				
		Distinction %	I %	II %	III %	Pass %
BE Mechanical Engineering	199	66	21	1	0	0
BE Civil Engineering	199	115	58	3	0	0
BE Computer Engineering	141	74	21	1	0	4
BE Electronics and Telecommunication Engineering	119	13	17	10	1	42
BE Information Technology	59	66	31	1	0	0
Master of Business Administration-II	54	8	37	8	-	-

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes :

Internal Quality Assurance Cell (IQAC) / Under ISO

Internal Quality Assurance Cell checks course files of theory and practical, students attendance
record, Lab manuals, faculty feedback etc. in every semester and this report is submitted the report
to the Principal.

Vigilance/Monitoring Committee (Coordinators)

Vigilance/Monitoring Committee monitors the classes and interacts with students and faculty regularly and on need basis, suggests remedial measures.

Mentorship Scheme

- Mentor meetings are conducted to counsel the students to develop them at various facets besides academics.

- Mentors also discuss issues related to academics, hostel, mess and overall facilities.

- Based on the issues raised by the above mentioned committees, the Principal takes corrective measures to improve teaching learning process.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	*Number of faculty benefitted*
Refresher courses	55
UGC – Faculty Improvement Programme	2
HRD programmes	40
Orientation programmes	1
Faculty exchange programme	---
Staff training conducted by the university	8
Staff training conducted by other institutions	29
Summer / Winter schools, Workshops, etc.	62
Others	42

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	105	--	--	42
Technical Staff	37	--	--	10

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- IQAC took various initiatives to promote research climate in the institution.
- Teachers were encouraged to participate more actively in research related activities.
- Teachers attended various seminars/conferences to remain updated with recent happening.
- They also worked on different projects and published their research work in reputed journals.
- The institute gives recognition for student innovations.
- The institute has digital library for students which has on line research journals along with e-books.
- Institute has Students' chapters of, IEEE, CSI and ISTE through which various technical programs such as expert lectures of renowned scientists, workshops and technical fest are organized.
- Institutes organized a Project Competition for final year students "TECHNO SANJIVANI ".
- Institutes organized an International Conference "SANJYOT" for engineering and MBA students.
- Faculty involved in research projects funded by Board of College & University Department (BCUD), Savitribai Phule Pune University, Pune.
- Faculty involved in publications at International, National levels.
- Institute provide a separate provision of research budget for Research and Development(R&D) activities to every department of Rs.2 Lakhs.

3.2   Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	01	--	--	--
Outlay in Rs. Lakhs	14.10	--	--	---

3.3   Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	06	--	--
Outlay in Rs. Lakhs	0.32914	5.96	--	--

3.4   Details on research publications

	International	National	Others
Peer Review Journals	47	05	--
Non-Peer Review Journals	26	02	--
e-Journals	--	--	--

| Conference proceedings | 06 | 13 | -- |

3.5 Details on Impact factor of publications:

Range 0 – 3.9   Average 0.5   h-index 14   Nos. in SCOPUS 24

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned (Rs.)	Received
Major projects	01	AICTE	14,10,000.00	Yes
Minor Projects	--	--	--	--
Interdisciplinary Projects	1	---	--	--
Industry sponsored	2	--	--	--
Projects sponsored by the University/ College	06	BCUD of SPPU	5,96,000	Yes
Students research projects *(other than compulsory by the University)*	01	Self Sponsered	--	--
Any other(Specify)	--	--	--	--
Total			20,06,000	Yes

3.7 No. of books published   i) With ISBN No. 1   Chapters in Edited Books -

ii) Without ISBN No. -

3.8 No. of University Departments receiving funds from

UGC-SAP -   CAS -   DST-FIST -

DPE -   DBT Scheme/funds -

3.9 For colleges   Autonomy [ ]   CPE [ ]   DBT Star Scheme [ ]

INSPIRE [ ]   CE [ ]   Any Other (specify) Rs3,05,000

3.10 Revenue generated through consultancy   Rs 5,02,539

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	--	01	--	--	01
Sponsoring agencies	--	BCUD, SPPU , Pune	--	--	Self Sponsoring

3.12 No. of faculty served as experts, chairpersons or resource persons   07

3.13 No. of collaborations   International   -   National   02   Any other

3.14 No. of linkages created during this year   06

3.15 Total budget for research for current year in lakhs :

From Funding agency   -   From Management of University/College   12 Lacs

Total   12 Lacs

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	06
	Granted	--
International	Applied	--
	Granted	--
Commercialised	Applied	--
	Granted	--

3.17 No. of research awards/ recognitions   received by faculty and research fellows
    Of the institute in the year

Total	International	National	State	University	Dist	College
03	--	--	--	--	03	--

3.18 No. of faculty from the Institution
    who are Ph. D. Guides   04
    and students registered under them   19

3.19 No. of Ph.D. awarded by faculty from the Institution   --

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF   --   SRF   --   Project Fellows   --   Any other   --

3.21 No. of students Participated in NSS events:

University level	--	State level	--
National level	--	International level	--

College Level | 100 |

3.22 No. of students participated in NCC events:

University level	--	State level	--
National level	--	International level	--

3.23 No. of Awards won in NSS:

University level	--	State level	--
National level	--	International level	--

3.24 No. of Awards won in NCC:

University level	--	State level	--
National level	--	International level	--

3.25 No. of Extension activities organized

University forum	--	College forum	--
NCC	--	NSS	16	Any other	03

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- 3rd International Yoga Day Celebrations

- Tree Plantation Drive to celebrate "VAN MAHOTSAV".

- Slum children Education Campaign

- Blood Donation Campaign

- Workshop on "How to manage money and be smart investor" by CGSI Mumbai.

- Workshop on "Safety & Disaster Management".

- An Expert lecture on "Career Opportunities in Foreign Countries" by Disha International.

- One week NSS Winter Special Camp at Shingnapur , Tal Kopargaon Dist- Ahmednagar

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities	Existing	Newly created	Source of Fund	Total
Campus area	40200 m^2	-	Institute	40200 m^2
Class rooms	37	-	Institute	37
Laboratories	63 (UG + PG)	-	Institute	63
Seminar Halls	7	-	Institute	7
Drawing Halls	4	-	Institute	4
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	1430	04	Institute	1434
Value of the equipment purchased during the year (Rs. in Lakhs)	681.79 Lakh	22.74 Lakh	Institute	704.53 Lakh
Others (Tutorial Rooms)	17	-	Institute	17

4.2 Computerization of administration and library

- **Administration:**
  Account office, Student section, Establishment office, Training and Placement office, Central Library as well as all departments are computerized.
  Web and SMS based **ERP software SackInfo 2.5** is continuously in use at various modules of institute such as System administration, admission, establishment, student section, library, academic monitoring etc.
- **Library:**
  Web based OPAC search is provided to the users.
  E-resources are available to the faculty and students in the library; through ERP available at each department.
  Digital library is available for resources from IEEE, ASCE, ASME, Science Direct, EBSCO Management, Springer.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value Rs.Lakhs	No.	Value Rs.Lakhs	No.	Value Rs.Lakhs
Text Books	47120	127.94	1155	6.90	48275	134.84
Reference Books	6597	88.00	61	2.14	6658	90.15
Journals (Print)	135	2.87	142	3.84	142	3.84
e-Books	---	---	---	---	---	---
e-Journals	2155	20.45	1647	18.89	1647	18.89
Digital Database a)e-Books database b)NPTEL video lectures	On-line database: -- Of-line data: 28302	--- 0.878	2015 ---	6.80 ---	2015 28302	6.80 0.878
Non-Book Material	VCD: 23 DVD: 34 Video Cassettes: 18	0.038 0.14 0.054	--- 1 ---	--- --- ---	23 35 18	0.038 0.14 0.054
Others (specify) Proceedings/Workshop/ Seminar/Research Papers/STTP material	CD's: 3636	---	20	---	3656	---

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1270	32	100 Mbps speed provided LAN using central server of College	01	01	--	--	--
Added	69	--	--	--	--	--	--	--
Total	1339	32	1011	01	01	--	--	--

4.5 Computer, Internet access, training to teachers and students and any other programme for technology upgradation (Networking, e-Governance etc.)

- Two days workshop on ANDROID Application Development
- Two days workshop on CYBER SECURITY and CISCO NETWORKING
- Expert lecture on Project Development
- Expert Lecture on CYBER SECURITY and CISCO NETWORKING
- Expert Lecture on "Innovative Thinking" by Mr. Sandeep Patil Master Inventor,
- IBM
- Expert Lecture on Higher Education in USA: GRE, TOFEL Exam for BE
- Expert Lecture on Information Technology
- Two days workshop on Project development in Java, Hybernet
- Short Term Capsule Course on Web Programming
- Short Term Capsule Course on Data Science
- Short Term Capsule Course on Data Mining
- Short Term Course on Basic- Advanced C Programming
- Workshop on ICT based JAVA Level-1 Certification course through Moodle
- Workshop on Storage Server: Installation and Configuration
- Expert lecture on LATEX
- Expert lecture on Project Documentation and Report Writing
- SAP training (96 Hrs.) has been conducted by Primus Tech-Systems, Pune for faculty.
- SAP training
- STTP on Java Programming
- Two day Workshop on Embedded System Design using MSP430
- Workshop on FOSS Basics of LINUX and UBUNTO Operating System
- Workshop on Proteus8-PCB Layout Design Software
- Workshop on Arduino, Raspberry PI, Protyping Board and Robotics
- Workshop on Reconfigurable Hardware
- Capsule Course on C Fundamentals
- Capsule Course on HTML 5 and CSS
- Capsule Course on IOT
- Capsule Course on MSP430
- Capsule Course on Mechatronics
- Workshop on Arduino Prototype Board

- **ROBOCON 2018:-**
    ROBOCON is a Robotics Contest organized by Asia Pacific Broadcasting Union (ABU) and its member countries including Doordasrshan (Prasarbharati) of India offer young engineers a platform to innovate and excel in creative thinking. Here, students demonstrate their technical ideas in robotics, as well as establish cross cultural contacts in an environment. These events also offer great opportunity to broadcasting agencies for advancing their technological skills and international cooperation. **The team ranked All India Rank at 29th position among 108 teams participated in the event all over India**.

    We have also participated for the first time in the Best Usage of MATLAB and Simulink in Robocon India 2018 competition and we were among the only 27 teams participated in this competition of ROBOCON2018.
- Library Orientation Programme on the Occasion of Dr. S. R. Rangnathan birth anniversary on 11th & 12th Aug 2018. Total 134 students attend the programme.
- EBSCO- Training specialist given training on how to use the EBSCO management collection & e-books collection on 6th Feb. 2018 for MBA student & staff. Total 73 Students & Faculty members were present for training programme.

4.6 Amount spent on maintenance in lakhs :

i) ICT (procurement, up gradation, deployment and maintenance of the computers and their accessories)

44.47

ii) Campus Infrastructure and facilities

62.47

iii) Equipments

3.03

iv) Others

57.85

Total :

167.82

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

As far as enhancing awareness about student support services is concerned, the IQAC has only a nominal role to play. Various student services and progressions are basically looked after by Deans, Heads of the Departments, Leads and Hostel Wardens. Such activities include student welfare schemes, curricular and extracurricular issues, residential requirements etc.

The institute publishes college prospectus annually and distributes the same to students those who seek admissions for various disciplines. Apart from this, there are academic calendar, newsletters, college magazines etc. for providing information to students on various fronts like:

- Academic schedule which includes reporting, in-semester and online examinations, mock examination, Co-curricular and extracurricular activities.
- Departmental profiles.
- Staff details, laboratories etc.
- Gymkhana, indoor and outdoor game facilities.
- College library, stack area, reading hall etc.
- Information on various cells which are mandatory like anti-ragging squad, women's grievance cell, discipline committee etc.
- Events like workshops, seminars, conferences, value addition courses etc.
- Students' achievements in curricular and extracurricular activities.
- Associations with professional societies like IEEE, IETE, CSI, SAE, IE etc.

Regular meetings of IQAC are conducted with top level management, Deans, Leads and student representatives for improvement in student support systems.

5.2 Efforts made by the Institution for tracking the progression

- Effective interaction of the students with teachers, class coordinators, Head of the Departments, Deans
- ,Hostel Wardens etc.
- Regular feedback from various stakeholders like Alumni, Parents, Employers etc.
- Motivation to participate in various contests and competitions at state and national levels.
- Evaluation of student performance in curricular and extracurricular activities.
- Special assistance for on/off campus placements.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2833	170	24	NIL

(b) No. of students outside the state

17

(c) No. of international students

NIL

	Men	No	%		Women	No	%
		1884	62.23			1143	37.76

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1115	206	38	1072	---	2431	1557	244	28	1004	---	2833

Demand ratio NA   Dropout 5.55 %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

The institute has arranged coaching programmes for competitive examinations like GATE. Moreover, expert guidance is provided on selection into the armed forces and various selection processes for the same. For the students desirous of taking admissions in foreign universities for higher studies, necessary recommendations are provided by the faculty.

No. of students beneficiaries   315

5.5 No. of students qualified in these examinations

NET 00   SET/SSET/SLET 00   GATE 06   CAT 00

IAS/IPS etc 00   State PSC 00   UPSC 00   Others 00

5.6 Details of student counselling and career guidance

The institute has implemented mentor scheme in which a group of around 20 students are assigned to one faculty who is designated as their mentor. He supervises the curricular and extracurricular performances of the students and keeps good rapport with them as well as their parents. Some of the major features of the mentor scheme are as follows:

➢ Academic

The mentor scheme serves as a platform for counselling for weak students. The mentor is expected to know the strengths and weaknesses of individuals assigned to him and suggest the remedies to win over the shortcomings. Since, the numbers of students assigned to a mentor are limited; each one will get personal attention on his academic performances.

➢ Personal

The mentors act as true guardians for the students assigned to them. The mentees can share their personal problems and difficulties with the mentor who can assist them in deriving solutions for the same. Here also, the one to one contact has a significant effect.

- ➢ Career

    Mentor meetings are conducted at regular intervals in which students are trained on various aspects of employability skills. Special attention is given improving the language proficiency as well as reasoning skills of the students. Activities like general aptitude tests, group discussions, personal interviews etc. are part of such meetings.

- ➢ Social

    Students are basically from different cultures and social backgrounds. It is essential to make them work in same group in spite of these cultural differencesand affiliations. They should be trained to respect other cultures and work for a common cause. The mentor meetings are an effective mechanism to develop such multi-cultured environment.

No. of students benefitted | 100% |

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
113	483	113	33

5.8 Details of gender sensitization programmes

It refers to the modification of behaviour outlook by raising awareness of gender equality concerns.

This is achieved by conducting various sensitization campaigns, workshop, awareness programmes etc. Gender sensitization is basically the awareness informed disposition or propensity to behave in a manner which is sensitive to gender justice and equality issues.

It is very much connected with awareness for women's cause and women empowerment. Gender sensitization theories claim that modification of the behaviour of teachers and parents towards children can have a causal effect on gender equality. The institute has been a part in organizing various programs under the banner of women empowerment cell which is a platform with its members from various institutes under the Sanjivani Rural Education Society. This cell provides opportunity for the girls students to exhibit their talents in various fields.

5.9 Students Activities

5.9.1   No. of students participated in Sports, Games and other events

State/ University level | 89 | National level | 109 | International level | 00

No. of students participated in cultural events

State/ University level | 01 | National level | 00 | International level | 00

5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level | 08 | National level | 05 | International level | 00

Cultural: State/ University level | 01 | National level | 00 | International level | 00

5.10 Scholarships and Financial Support

	Number of Students	Amount (Rs.)
Financial support from institution	50	1,99,030=00
Financial support from government	2246	13,49,20,204=00
Financial support from other sources	00	00
Number of students who received International/ National recognitions	00	00

5.11   Student organised / initiatives

Fairs   : State/ University level | 00 | National level | 01 | International level | 00

Exhibition: State/ University level | 01 | National level | 00 | International level | 00

5.12   No. of social initiatives undertaken by the students | 33

5.13 Major grievances of students (if any) redressed: No major grievances.

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision of the Institute

"To create academic excellence and to make world class engineers for socio- economic uplift-ment of rural India"

Mission of the Institute

Our mission is to make use of Engineering and Technology the principal instruments of economic development, to improve the quality of life of people through Education, Training and Research.

We are committed to the development of technical human resources towards socio-economic growth of rural India for global competitiveness.

6.2 Does the Institution has a management Information System

Yes, efficient and highly integrated information system is there in the institute. Web and SMS based ERP software SackInfo 2.5 is installed in the Institution which contains following modules such as system administration, user management, establishment, admission, front office, student section, academic monitoring and library.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

- Capsule courses, Mini projects , Content beyond Syllabus, Self-learning, industrial visits and Extra classes are the initiatives taken in order to supplement the curriculum framed by university
- Institute collects the feedback from all stakeholders for improvement and development of curriculum and communicates the same to University for the desired revision
- Many senior faculties have actively participated in curriculum development and revision as a member of various committees at University level.

6.3.2 Teaching and Learning

The following strategies were employed by the institute to improve overall teaching and learning process:
- Implementation of outcome based teaching and learning methodology.
- Moodle is used by faculties to make teaching learning more effective
- Experiential learning like field work, visit to industries and guest lectures are organized on regular basis
- Practical approach towards teaching and learning such as capsule courses , Project based learning etc.
- Faculty uploads video, PPTs, tutorials, assignments, lecture notes and other relevant materials on web portal.
- Use of open educational resources, E-learning - resources such as NPTEL
- Recruitment of well qualified and experienced staff as per AICTE norms.
- Sponsorship to faculty for higher studies and faculty development programmes.
- Use of modern teaching aids like LCD projectors and interactive boards in the classrooms.
- Continuous evaluation system for students.
- Introduction of various professional programs in collaboration with global institutions of repute.
- Emphasis on imparting skills through laboratory experiments and industrial visits /training / tours and various skill development programmes.

6.3.3 Examination and Evaluation

- Institute conducts test, and mock practical / orals and analyzes the results.
- Continuous evaluation of seminars and projects is carried out.
- Analysis of the university examination result (Th/Pr.) is done.
- Remedial Classes for improvement are taken.
- For First and Second year engineering students, online multiple choice tests are conducted by the University. For Third and final year engineering students, written test is conducted by the University. Bar coding, photo-copying of the answer books are made available by the University to the students, on request. Also on request, revaluation and rechecking of the answer books is done by the University

6.3.4 Research and Development

- Various awards and rewards are announced by the institute to motivate faculty for research
- Culture of research and development is strengthened by encouraging faculty members to pursue research by providing them the facilities like individual system, Wi-Fi connection, digital library, equipment and laboratory.
- Seminars and FDPs are conducted to promote research amongst faculties
- Promote production of intellectual property in terms of research output, publications, applied research and transfer of knowledge.
- Encourage students to undertake industry sponsored projects.
- Encourage students to produce technical papers and contribute for research activities.
- To encourage faculty members to submit research proposals to various funding Agencies.
- MOUs with industries for undertaking R&D and consultancy work.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library:

Institute has constituted a committed library advisor committee, this committee is active throughout the year to update and improve the quality of library and its resources

- The faculty members and students are made aware about the use of the reference books, other useful books and digital library through notice and circulars.
- Excellent environment have been provided for students as well as faculty.
- Open access system is provided.
- NPTEL (National Program on Technology Enhanced Learning) video lectures and e-resources are available throughout campus by Wi-Fi connectivity.
- Book bank scheme is provided.
- Day-night reading hall facility is provided.
- Web based OPAC (Online Public Access Catalogue) search is provided.

ICT:

- Electronic Resource Management package for e-journals.
- In house and remote access to E-journals, Library automation, federated searching tools, printing services etc.
- Each department has its own computing facility based on the curriculum demand.
- The faculty and students can access e – resources available in the library, video lecture through ERP available with each department.
- Digital library is available with several e-books and e-journals from IEEE, Springer (ETC), Springer (Mech.), ASME, ASCE, MGH, Science Direct, EBSEO and J-GATE, Pro-Quest, EBSCO.

Physical Infrastructure:

- The institute has well-furnished infrastructure having classrooms (35) with modern teaching aids such as LCD projectors, computer centre, well equipped laboratories (61), seminar halls (5) and open auditorium (capacity 3000 persons).
- Amenities and facilities such as well-maintained lawn ramp & lift facility, CCTV surveillance at all strategic locations, generator, RO water purifier, canteen and mess, ATM of HDFC Bank are available. Well-equipped gymkhana with sports facility of indoor and outdoor games, play grounds, girls and boys hostels.
- Institute has spacious and well-furnished library with reading room, digital library, reprography, e-journals, and print journals.

6.3.6 Human Resource Management

- Institute has mechanism of notification of regular posts and conduct interviews. The institution recruits faculty members and staff based on the guidelines provided by the Affiliating University.
- Adequate number of qualified teaching and supporting staff are appointed through the procedure of open advertisement & interview by Expert committee.
- Apart from this whenever deserving candidate approaches the Institute, it conducts interviews and offers suitable position.
- The recruited faculty are deputed to undergo faculty development program to enhance the Teaching Learning Process

6.3.7 Faculty and Staff recruitment

Recruitment of faculty

Institute conducts recruitment as per UGC/AICTE norms. Transparency is ensured in the recruitment process.

6.3.8 Industry Interaction / Collaboration

- Initiatives such as **Sanjivani thought leaders, I- Connect, Sanjivani My story board** are conducted regularly.
- Industry relevant programmes in association with leading industries through tie-ups(SAP Student Academy Program in collaboration with primus is conducted at institute for students at subsidised rates).
- Red Hat Academy started and many students have done their Red Hat Certified System Administrator Certification.
- Encourages students to take up industry sponsored projects.
- Involvement of industry experts in academic activities.
- Providing consultancy to the industries.
- The promoter society is committed for the aspects of development of education, augmentation of infrastructural facilities and growth of the institution. It specifies targets to the institution along with allocating budget.
- Management seeks the information from all stakeholders, observers and evaluates the best practices and strategies of other institutions those are striving for excellence. In line to the views of the Society, college determines the needed infrastructure for academic advancement, bringing excellence into the activities and allocates budget accordingly.

6.3.9 Admission of Students

- Institute follows rules, regulations and guidelines set up by the government as the engineering admission process in the state is governed by DTE.
- Institute analyses student profile on the basis of their CET, JEE and PCM scores.
- Along with this institute also takes care of the following things:
- Profile of student is created as database in ERP software and is maintained in the department and efforts are taken for continuous monitoring of the performance of every student. In this students can see their attendance. Marks in test and attendance are sent to Parents through ERP and Mobiles by Mentors allotted to students.
- This has been reflected in improvements in results of first year and direct second year students. It also helped in understanding the potential of the students (Through Mentoring scheme).
- Sharing of student related (academic and extracurricular activities) data with parents.

6.4 Welfare schemes for

Teaching & Non-Teaching Staff

- Provident Fund as per government norms.
- Promotions as per experience and qualification.
- Study Leave, Special Leave and other leaves.
- Higher study sponsorship.
- Immediate loans upto 3lakhs available at Tantrashikshan SanjivaniKarmchari Patsansta. (TSKPAT).
- Gratuity as per government norms.
- Group medical Insurance of each employee with family cover of 5 membersupto Rs.200000.
- Research incentive for publication of research paper, article, and case study in reputed journals.
- 50% tuition fees concession at Sanjivani Academy- A CBSE School, Kopargaon for children of staff of Sanjivani group of Institute.
- Sponsorship for STTP, FDP, MDP etc.
- Staff Welfare fund(SWF)
- Faculty Awards are instituted at Institute level.
- Online courses reimbursement.

Students

Following welfare schemes:

1. Karmaveer Bhaurao Patil Earn and Learn Scheme.
2. Health Services.
3. Women Welfare.
4. Book bank scheme.
5. Sanjivani foundation Scholarship.
6. Saisansthan scholarship.

   Various scholarships for economically weaker section

- Student section creates awareness and provides all necessary information regarding various scholarships and social welfare schemes available to the students.
- The institute admits students under TFWS (Tuition Fee Waiver Scheme) of DTE,Mumbai.
- The minority cell helps the students from minority communities to avail scholarships provided by government. NGO assistance information is made available on website
- Group Insurance Policy for students 'Safety Package Insurance' by New India Assurance Co. Ltd. is made available.
- Institute has appointed Medical Officer who is available in institute's dispensary from 7.00 pm to 8.00 pm every day except holidays.
- For emergency, well-equipped Cardiac ambulance facility is available 24×7.
- Hemoglobin camp is carried out for girl students and proper guidance is given regarding diet.
- Every year medical checkup of students is carried out.

6.5 Total corpus fund generated ----

6.6 Whether annual financial audit has been done   Yes ✓   No ☐

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO	Yes	Internal ISO auditors and IQAC
Administrative	Yes	ISO and AAA commitee	Yes	Internal ISO auditors and IQAC

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes   No   ✓ ☐

For PG Programmes   Yes   No   ☑   ☐

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

> There is no change in examination reforms this academic year

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

> University have advised the affiliated colleges to go for autonomy

6.11 Activities and support from the Alumni Association

> Institute has alumni association as SANJIVANI Engineering Students Alumni Association registered with Charity Commissioner, Ahmednagar, with Registration No. MAH/ 174/ 02/ Ahmednagar, dated 08/03/2002. More than 6000 aluminise are part of this association:
>
> **Major activities and contributions of this association are:**
>
> - Guest lecture for students
> - Networking with alumni.
> - Arranging alumni meets.
> - Creating alumni chapters.
> - Conveying institute updates to alumni.
> - Getting feedback from alumni.

6.12 Activities and support from the Parent – Teacher Association

> Regular meeting with parents is conducted in the institute:
>
> - Feedback from the parents on all aspects of the students development is taken for improvements.
> - Continuous communication with parents is maintained for students development through mentorship program

6.13 Development programmes for support staff

> Institution has arranged various training programs and workshops are for development of support staff for keeping them up dated in their respective fields.

6.14 Initiatives taken by the institution to make the campus eco-friendly

> - Use of solar system
> - Green audit is carried out by the staff under NSS periodically.
> - Energy conservation, rain water harvesting, check damp construction, efforts for carbon neutrality, tree plantation, hazardous waste management, E –waste management are some of the initiatives taken by institute for moving towards, eco-friendly campus.

Criterion – VII

7. <u>Innovations and Best Practices</u>

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

- MOU is signed with Student Academy Program (SAP) i360 for real world project learning.
- Industry Experts are called to conduct guest lectures and sessions to aware students about current trends in industry.
- Internships and sponsored projects are tried for students.
- Skill Development Activities are conducted.
- Ideas and Innovation building through Research Innovation Development Club, which is initiated for research oriented development.
- Workshops or expert sessions on Employ-ability Skills are conducted for students
- Industrial visits by faculty: Faculty has visited industry to bridge the gap between industry and academics
- Capsule Course Conducted.
- Many Faculty Have Successfully completed NPTEL Online Course.
- Conducted and attended FDP and STTP for developing technical skills of staff.
- Spoken tutorials (Organized under Super Resource Centre, IIT Bombay)
- Attendance monitoring system by ERP based System.
- Industry visits are done by faculty from each departmental which may useful to find expectations of industry.
- NPTEL videos are available for students and staff in college campus
- Mentorship Scheme is to improve and develop leadership qualities, soft skills, communication skill etc.
- In every department innovative activity like Self Learning, Tutorials, and Content beyond Syllabus are conducted in teaching learning process.
- ISO 9000:2008 certification for academic and allied procedures.
- Different Student's association like ITERA, MESA, ETESA, CESA and ISTE, CSI are formed for organising different events which may useful for overall development of student's performance

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

- Capsule Coureses for Second Year, Third Year, Final Year engineering students is started for enhancing their technical skills.
- Faculty have attended the the Faculty Development Program , Short term Training Program
- Faculty have successfuly completed the Online Courses like NPTEL as per their area of intrest .
- Student Academy Program has been strated and many students have completed their modules.
- "Sanjivani My Story Board" platform is fomed to increase the interaction with Alumni. Every departmnet is organising the the program under the banner of "Sanjivani My Story Board" in which the Alumni of their respective department is interacting with the student.
- Red Hat Academy also started and many students have done their Red Hat Certified System Administrator Certification (RHCSA).
- Global Talent Track (GTT) training is conducted to improve the soft skills of the students.
- Sanjivani Tech Fest 2018, A National Level event has been conducted for the students to show their talent, to test their engineering skills etc.

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

- Capsule courses
- Mentor ship scheme
- Students Association at department level and Institute level

Provide the details in annexure (annexure need to be numbered as i, ii, iii)

7.4 Contribution to environmental awareness / protection

- A two-week FDP on "Present Scenario of Treatment of Waste in India: Challenges, Issues and New Techniques of Treatment" was conducted by the civil department.

- Environment Earth Project conducted by MBA department

7.5 Whether environmental audit was conducted?   Yes ✓ No ☐

7.6 Any other relevant information the institution wishes to add. (for example, SWOT Analysis)

- **Strength:**
  - NAAC Accredited with A Grade
  - ISO 9001:2008 Certification existence from 2009 to 2018
  - ISO 9001: 2015 Certification is initiated by Institute
  - NBA Accreditation of Civil Engineering till 2021 Accredited By Institutions of Engineers, (India).
  - Winners of Various states Level and National Level
  - 36 years of Establishment.
  - Strong Alumni Network
  - Visionary Leadership.
  - Consistency in University Rank holders.
  - Good staff retention.
  - Good Placement Record.
  - Adequate Infrastructure and Good Teaching Learning Process.
  - State of the art Library.
  - Wi-Fi Campus.

- **Weakness**
  - Because of primary education of the students in vernacular language, the students are having challenge in English communication.
  - In nearby vicinity very few small-scale industries, due to this less Industry exposure to the students.

- **Opportunities**
  - Increase the Industry Interaction.
  - Rural Development work.
  - Increase the Consultancy on various projects.
  - Fetch the more Research Grants.

- **Challenges**
  - To reduce skill gap between students and industry expectation.
  - To enhance the Involvement of industry professionals.
  - Improving the quality of admitting students.

8. Plans of institution for next year

- To plan capsule courses for improving students technical skills.
- To introduce English as one of the additional subject at First year for improving communication skills of the students.
- To arrange interaction for students and faculty with leading Industrial Experts/Academician.
- To arrange Industrial training programmes /Internship for Faculty and Students.
- To plan Focus Academy Carreer Enhancement (FACE) training to improve soft skills of the students.
- To arrange studens development programme in the Emerging areas of Engineering and Management.
- To planStudent Academy Programme (SAP) International Certification Programme on various modules for students.
- To set up Red hat Linux academy to offer Red hat Certified courses to the students.
- To improve On/Off campus placement.
- To organize Conference/Seminars /Workshops etc at National level for both faculty and students on Emerging trends in various Engineering and Management disclipine.
- To enhance interaction of Alumni with the Institute.
- To get more research projects from Central/State funding agencies.
- To conduct Faculty development programmes on latest Technologies and Teaching methodologies.

Prof. R.G.Zope

Signature of Coordinator IQAC

Dr. D.N.Kyatanavar

Signature of Chairman IQAC

Annexure I [Academic Calender]

Sanjivani Rural Education Society's

SANJIVANI COLLEGE OF ENGINEERING,
KOPARGAON - 423 603
Academic Calendar 2017 - 18
SEMESTER - I (FE)

ACAD - F - 01

AUGUST 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

01/08/2017	: Orientation Programme
02/08/2017	: Classes Start
15/08/2017	: Independence Day
25/08/2017	: Ganesh Chaturthi
31/08/2017	: Display of Attendance

SEPTEMBER 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

02/09/2017	: Bakri Eid
04/09/2017 to	: Online University Exam on Unit
09/09/2017	
05/09/2017	: Anant Chaturdashi
29/09/2017	: Mid Term Detention List
30/09/2017	: Dasara

OCTOBER 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

02/10/2017	: Mahatma Gandhi Jayanti
09/10/2017 to	: Online University Exam on Unit
14/10/2017	III & IV of 25 Marks
16/10/2017 to	: Dipawali
21/10/2017	
30/10/2017	: Display of Attendance

NOVEMBER 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

04/11/2017	: Gurunanak Jayanti
29/11/2017	: Final Detention List
30/11/2017	: TW Submission

DECEMBER 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

01/12/2017	: Eid-A-Milad
25/12/2017	: Christmas

In the month of December 2017 Preliminary Examination will be conducted

(Every Friday 3.30 pm to 5.30 pm Mentor Meeting)

* Detention means students are disqualified to appear for university examination due to the shortage of attendance (below 75 %) in theory and practical classes.

Note : Any modification will be communicated.

Mission :
Our mission is to make use of Engineering & Technology the principal instruments of economic development to improve the quality of life of people through Education, Training and Research. We are committed to the development of technical human resources towards socio-economic growth of rural India for global competitiveness.

Vision :
Our vision is to create academic excellence and to make world class engineers for socio-economic upliftment of rural India.

Principal
Sanjivani College of Engineering, Kopargaon

Sanjivani Rural Education Society's

SANJIVANI COLLEGE OF ENGINEERING,
KOPARGAON - 423 603
Academic Calendar 2017 - 18
SEMESTER - II (FE)

ACAD - F - 01

JANUARY 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

01/01/2018	: Reporting
02/01/2018	: Classes Start
26/01/2018	: Republic Day
29/01/2018 to	: Test - I
03/02/2018	

FEBRUARY 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

03/02/2018	: Monthly Attendance Display
05/02/2018 to	: SPPU Online Exam Phase-I
10/02/2018	
13/02/2018	: Mahashivratri
19/02/2018	: Chhatrapati Shivaji Maharaj Jayanti
26/02/2018 to	: Test - II
03/03/2018	

MARCH 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

06/03/2018	: Rangpanchami
05/03/2018 to	: SPPU Online Exam Phase-II
10/03/2018	
03/03/2018	: Mid Term Detention List

APRIL 2018

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

03/04/2018	: Final Detention List
14/04/2018	: Dr. B. R. Ambedkar Jayanti
23/04/2018 to	: Preliminary Exam
28/04/2018	
30/04/2018	: T/W Submission

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Sanjivani College of Engineering, Kopargaon

Sanjivani Rural Education Society's

SANJIVANI COLLEGE OF ENGINEERING,
KOPARGAON - 423 603
Academic Calendar 2017 - 18
SEMESTER - I (SE, TE & BE)

ACAD - F - 01

JUNE 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

15/06/2017	: Reporting Day
16/06/2017	: Classes Start
26/06/2017	: Ramzan Id
27/06/2017 to 30/06/2017	: Aptitude Test

JULY 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
30	31					1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

| 17/07/2017 | : 1st Attendance Review & display |
| 18/07/2017 to 22/07/2017 | : Student feedback |

AUGUST 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

15/08/2017	: Independence Day
16/08/2017	: 2nd Attendance Review & display Mid Term detention
17/08/2017 to 19/08/2017	: Letter to Parents regarding Attendance & May 2017 result
25/08/2017	: Ganesh Chaturthi

SEPTEMBER 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

02/09/2017	: Bakri Eid
05/09/2017	: Anant Chaturdashi
30/09/2017	: Dasara

OCTOBER 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

02/10/2017	: Mahatma Gandhi Jayanti
09/10/2017 to 13/10/2017	: Preliminary Exam
14/10/2017	: Detention List
16/10/2017 to 18/10/2017	: Termwork Submission

(Every Friday 3.30 pm to 5.30 pm Mentor Meeting)

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Principal
Sanjivani College of Engineering, Kopargaon

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Sanjivani Rural Education Society's

SANJIVANI COLLEGE OF ENGINEERING,
KOPARGAON - 423 603
Academic Calendar 2017 - 18
SEMESTER - II (SE, TE & BE)

ACAD - F - 01

DECEMBER 2017						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

18/12/2017 : Reporting Day
18/12/2017 : Classes Start
25/12/2017 : Christmas

JANUARY 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

26/01/2018 : Republic Day

FEBRUARY 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28			

10/02/2018 : Mid Term Attendance
             & Detention List Display
13/02/2018 : Mahashivratri
19/02/2018 : Chhatrapati Shivaji Maharaj
             Jayanti

MARCH 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

06/03/2018 : Rangpanchami
28/03/2018 : Preliminary Exam. SE, TE & BE
to
02/04/2018

APRIL 2018						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

03, 04/04/2018 : Pre-Submission Oral
05, 06/04/2018 : T/W Submission
14/04/2018   : Dr. B. R. Ambedkar Jayanti

Note : Any modification will be communicated.

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Principal
Sanjivani College of Engineering, Kopargaon

MBA-F-01

SRES- College of Engineering, Dept. of MBA
Academic Calendar Sem-I & III – 2017-18

MBA I

Sr.No.	Activity	Date
1.	Classroom Welcome Program and Tree plantation	01.08.2017
2.	Commencement of Lectures	02.08.2017
3.	Induction Program	03.08.2017 to 05.08.2017
4.	Social activity On Do not Use plastics	15.08.2017
5.	My story board	19.08.2017
6.	Launching Of Sanjivani Trophy and Fresher's Party	26.08.2017
7.	Sanjivani Trophy 2017-18 [Event 1]	08.09.2017
8.	My entrepreneurial Story	09.09.2017
9.	Local Industrial Visit	16.09.2017
10.	Thought Leader	20.09.2017
11.	Class Test	21.09.2017 to 23.09.2017
12.	Sanjivani Trophy 2017-18 [Event 2]	29.09.2017
13.	Social Activity on Pollution Free Diwali	14.10.2017
14.	Diwali vacation	16.10.2017 to 21.10.2017
15.	Sanjivani Trophy 2017-18 [Event 3]	27.10.2017
16.	Syllabus completion	18.11.2017
17.	University Online Exam (Probable)	06.11.2017 to11.11.2017
18.	Social Activity on Clean Environment	28.10.2017
19.	University Written Exam (Probable)	28.11.2017
20.	Winter project	18.12.2017 to 23.12.2017

MBA II

Sr. No.	Activity	Date
1.	Commencement of Lectures	17.07.2017
2.	Social Activity on Tree Plantation	01.08.2017
3.	Training on personal branding	24.07.2017 to 28.07.2017
4.	Social activity On Do not Use plastics	15.08.2017
5.	My story board	19.08.2017
6.	Fresher's Party	26.08.2017
7.	My entrepreneurial Story	09.09.2017
8.	Thought Leader	20.09.2017
9.	Class Test	21.09.2017 to 23.09.2017
10.	Social Activity on Pollution Free Diwali	14.10.2017
11.	Diwali vacation	16.10.2017 to 21.10.2017
12.	Syllabus completion	18.11.2017
13.	University Online Exam (Probable)	23.10.2017 to 28.10.2017
14.	Social Activity on Clean Environment	28.10.2017
15.	University Written Exam (Probable)	28.11.2017
16.	Winter Series	18.12.2017 to 23.12.2017
17.	Industrial Visit	20.12.2017

Dr. V.R. Malkar
HOD, MBA

Dr. D. N. Kyatanavar
Principal

Sanjivani Rural Education Society's
SANJIVANI COLLEGE OF ENGINEERING, KOPARGAON–423603
Department of MBA
DEPARTMENTAL EVENT CALENDER 2017-18 SEM II & IV (Proposed)

ACAD F- 0?

S	M	T	W	T	F	S
		2	3	4		6
	8	9	10	11	12	13
	15	16	17	18	19	20
	22	23	24	25	26	27
	29	30	31			

1 Reporting Day & Commencement of Classes
5 Dissertation Topic Allotment
10 Guest Lecture
13 Guest Lecture
26 Republic Day
12 Sanjivani Trophy- 'Ad Mad Show'
19 Clean India Campaign

S	M	T	W	T	F	S
				1		
	5	6	7	8	9	10
	12	13	14	15	16	17
		20	21	22	23	24
	26	27	28			

02-03 National Seminar Sanjyot 2018
06- Training Session (Ebsco Host)
13 Mahashivratri
19 Chhatrapati Shivaji Maharaj Jayanti
16 Sanjivani Trophy- 'Extempore Mania'

S	M	T	W	T	F	S
				1	2	3
	5		7	8	9	10
	12	13	14	15	16	17
	19	20	21	22	23	24
	26	27	28	29	30	31

02 Holi
06 Rangpanchami
23 Sanjivani Trophy- 'Business Quiz'

S	M	T	W	T	F	S
	2	3	4	5	6	7
	9	10	11	12	13	14
	16	17	18	19	20	21
	23		25	26	27	28

14 Syllabus Completion
15-23 Exam Preparation Leave
21 MBAII Farewell
24 Commencement of University Exam

Mission

Our mission is to harness students with Business Knowledge Enrichment, Employability Development and Employment Generation to perform effectively in the dynamic socio-economic environment.

Vision

Our vision is to impart academic excellence to foster world class managers for socio economic upliftment.

Sanjivani Engineering Students Alumni Association, Kopargaon

(SESAA)

Date: 25/05/2018

(Established: 2002)

Sanjivani Engineering student's alumni association is having local chapters at Kopargaon, Nasik, Pune, Mumbai, Delhi and Bengaluru. After half yearly or yearly alumni meets are conducted at various local chapters. The meeting was conducted on 12/05/2018. Feedbacks are collected from the stake holders for the betterment of institute.

SR. NO.	Details	HE	E	S	P
1	How do you find yourself after graduation regarding knowled,At what level, this Programme provides effective knowledge of Engineering/Pharmacy Fundamentals? ge?	35	52	13	-
2	How do you rate the student-teacher relationship in the College?	42	45	13	-
3	At what frequency is this knowledge useful to solve critical problems you faced?	20	70	05	05
4	How do you rate development activities organized by the college for your overall development?	55	35	10	-
5	Industry oriented Projects	50	50	--	-
6	Seminars and Workshops	50	35	15	-
7	Extra-curricular activities for bridging industry academic gap	48	50	2	-
8	Level of opportunity provided for innovative projects & research?	50	20	10	20

Following is the feedback analysis from the stakeholders for Mumbai Meet 2018.

* HE= Highly Excellent   *E=Excellent   *S= satisfactory   *P=Poor

Overall Feedback is for Highly Excellent=43.75%, Excellent=44.625%, Satisfactory=9.17%, Poor = 12.5%.

Prof P M Patare
Lead Alumni
(SESAA, Kopargaon)

Annexure III (i) [Best Practices]

1. **Title : " Mentorship Scheme"**

    The Institute has a well established student mentoring system. At institute level a committee is constituted to conduct mentor activities.

    As per the academic calendar of the Institute planning of mentor activities is done at the beginning of every semester. The mentor activities include aptitude tests, presentation skills, written skills, debate, group discussion, resume writing, mock interview etc. The mentor activities are conducted as per the schedule prepared in the beginning. The Institute has a structured support for mentoring mechanism with Principal as the Executive-Head and Dean Mentor as the functional Head. Heads of the respective Departments along with senior faculty under the guidance of the Principal supervise the mentorship scheme.

    Apart from Class coordinators, individual mentors are assigned for a group of 20 students for personalized attention and counselling. A mentor takes care of the overall development of the mentee till he/she passes out from the Institute. Mentor meetings are arranged once in a fortnight for providing expert training on soft skills. Also, if mentor recognizes any personal and psycho-social issue of the mentee, necessary counselling is arranged by bringing it to the notice of higher authorities.

2. **Goal:**
    - To plan Personal and career goals of students.
    - To improve presentation skills/written skills and oral communication skills.
    - To improve general aptitude test/technical quiz proficiency.
    - To develop leadership qualities.
    - To train for resume writing and mock interview.
    - To monitor overall progress of students during their graduation.

3. **The Context:**
    - Along with the adaptation of good teaching learning process, which enhances the technical knowledge of students, Institute has designed innovative methods for the overall personality development of the students.
    - Through Mentorship scheme- institute has developed systematic road map for improving the different aspects of personality developments, Communication Skill, Presentation Skill, Team Work, leadership qualities, resume writing, etc. and make them ready to face the challenges in industry. The students lagging in any of the above mentioned skills are eager to participate in the different activities planned under the Mentorship Scheme to develop themselves.
    - The objective of Institute to implement mentorship scheme is to provide training and guidance to undergraduate students in all disciplines, increase the participation of all undergraduate students from first year engineering to final year engineering in the different activities conducted by the Institute, which will be useful to them in their life after graduation. Institute seeks to foster and support students in achieving their personal and professional goals as undergraduates and prepare them for their future challenges.

- Faculty who serve as mentors make a valuable contribution to the education and training of undergraduate students interested in hands-on experience in different activities. Students judge the experiences primarily by their interaction with their mentors. Thus, the role of faculty member in this scheme is crucial to the program's success.

4. Practice:
- In the mentorship scheme a Teacher (mentor) is assigned with a group of approximately twenty students (mentees). Around five students from first year engineering to final year engineering form a group of twenty.
- Mentor meeting is conducted once in an alternate week. Various activities like career goal setting, presentation skill, communication skill, resume writing, aptitude test etc. are conducted in the meetings
- Along with these activities, mentor has to keep the academic record of the mentees allotted to him in terms of their monthly attendance, academic results, co-curricular participation within and outside campus etc. and inform the same to the parents.

5. Evidence of success:
- The evidence of success of mentorship system is reflected through the overall personality development of students.
- Those students who had lack of confidence and are weak in communication; poor presentation skills etc are observed having marginal improvement in the lacked areas when they came to final year.
- Parents were happy to have a system where, the overall progress of their ward is monitored and informed to them timely right from the first year till the candidate completes his/her engineering.
- There is a marginal increment in the number of students participating in various events held within and outside the college, since the implementation of Mentorship Scheme.

6. Problem Encountered and Resources required:
- The institute being situated in a rural area, the students are not that much exposed to the current enhancements. To overcome this, mentors play an important role by making them aware of the same.

- To mould the students mentality towards improvement in their personality without
- hampering academics has been a difficult task.

Annexure III (ii) [Best Practices]

1. **Title: "Students' Associations of Department and College"**

    Every department has its own departmental association. It promotes the curricular and extracurricular talents of the students through various activities. Apart from cultural and sport events the associations regularly organize Workshops, Seminar, Expert lectures etc. for the benefits of the students.

    At Institute level there is Student council which promotes the artistic and other co curricular talents of the students.

2. **Goal**
    - To develop personality, communication skill, awareness about different types of entrance exams and interview, and to develop skill to qualify various competitive exams.
    - To develop awareness about sports and physical fitness.
    - To conduct useful courses and technical seminars & workshops as per the current industry need.
    - To organize various activities like programming contest, technical quiz, debate competition, personality contest etc. that will not only enhance the technical abilities and knowledge among the students, but also builds the overall personality skills of the students.
    - To organize events like project competition, paper presentations etc.
    - To develop awareness about participation in different events held at state, national and international level.

3. **The Context:**
    - It is platform for students to participate actively in the activities conducted by students' associations.
    - Each department of the college has its own students' association and the college has its students' association called as students Council.
    - These associations are working on methods of for the students, by the students and from the students means these associations are made by students for students development
    - In the association students may works as volunteer on post such as Chairman/president, Vice President, Joint Secretary, treasurer, Ladies representatives and Executive members. They are selected from students by inviting applications from interested students.

4. **The Practice:**
    - After formation of association, the activities are planned in the beginning of each semester.
    - While making plan different suggestions from student and faculty members are considered in a meeting. For every activity a team is formed including a faculty and students. The team is responsible for conducting the various activities in each academic year.
    - Students associations of every department are planning for minimum 20 activities in each year and the activities are sports, technical activities and non technical activities.

5. **Evidence of success:**
   - The Students who are participating in activities are appreciated with certification and prize. Attendance of participating students is maintained with the signature of event in charge. Notices have been circulated through college about conduction of activities so that students can take active part in activities.
   - **Students involvement:** Students are actively participating in different activities, it makes a positive improvement in students like personality development, communication skills, management skills, programming skills etc.
   - **Teamwork:** As students and faculty work together, it builds team spirit among students. It also helps for faculty since students are having innovative ideas. Bonding is formed among students and faculty. It helps in many perspectives for students.

6. **Problems Encountered and Resources required:**
   - Students are hesitating to take part in activities because of lack of confidence and daring.
   - Feeling burden of academics to participate in activities.
   - To motivate students for participation is challenge.

1. **Title: "Capsule Course for Respective Classes"**

Every department has started to conduct Capsule course for every Second Year, Third year and final Year Students. This is a short-term duration programme of few hours, which may help students to learn the advanced topics. It also called as Knowledge acquiring programme.

2. **Goal**
   - To provide training of short duration on desired topic
   - To develop the skills which may requires to face real world problem.
   - To gain the knowledge in desired topics.
   - To develop skill which are required in Industry.

3. **The Context:**

   - It is platform for students to participate actively and learn the new concepts which may help them
   - It is platform which help student to develop technical skills.

4. **The Practice:**

   - The content of course for each class in every semester has finalized and accordingly faculties are assigned to conduct the capsule course.
   - Hands on practice sessions are also included.
   - Weekly few sessions are conducted and students are asked to attend them and learn.
   - At end of every course the test will conducted to evaluate them.
   - At end of every course particpiapnt's feedback is collected to evaluate them.

5. **Evidence of success:**

   - Course contents are framed and concerned faculty is allotted for individual topic.
   - Session wise attendance is also maintained.
   - Test paper and evaluation sheet is also maintained for respective course.
   - Summary of results of participant's is prepared

6. **Problems Encountered and Resources required:**

   - Students are hesitating to take part in activities because of lack of confidence and daring.
   - Feeling burden of academics to participate in activities.
   - To motivate students for participation is challenge.