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, 223362,223947

Name of the Head of the Institution:

> Dr. D. N. Kyatanavar

Tel. No. with STD Code:

> Ph: (02423) 222862, 223362, 223947

Mobile:

> 9226798745, 9850866855

Name of the IQAC Co-ordinator:

> Prof. R. G. Zope

Mobile:

9420952161

IQAC e-mail address:

zoperajendrakumaetc@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)

----- NA ------

1.5 Website address:

www. Sanjivanicoe.org.in

Web-link of the AQAR:

http://www.sanjivanicoe.org.in/wp-content/uploads/2015/05/AQAR-2015-16.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	SSR submitted to 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)*

2015 -16

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   ---------------- NIL -------- (DD/MM/YYYY)
  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*)	• DSIR, Govt. of India Recognized
UGC-COP Programmes			• Awarded as 'A' grade Institute by DTE, Mumbai • Awarded as Best College by SPPU, Pune

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. | 05 | Faculty | 01 |

Non-Teaching Staff Students | 01 | Alumni | 03 | 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. 08   International 01   National 03   State 02   Institution Level 02

   (ii) Themes

- International level seminar on Emerging trends in Engineering and Management. Sanjyot -2016.
- National level Technical Competition Sanjivani Techfest.
- National level Indian Engineering Olympiad examination.
- National level technical Skill developments.
- State level Project competition Technosanjivani -2016.
- State level Workshop on Recent Trends in Pattern Classification.
- Institute level workshop on Cyber Security and computer forensics.
- Institute level workshop on Android development.

2.14 Significant Activities and contributions made by IQAC

- Stake holder's feedback was taken based on which Institute ensures effective quality assurance.
- Academic and administrative internal audit was conducted for ISO 9001:2008 with support of IQAC Coordinators, ISO Coordinators and other ISO auditors.
- ISO 9001:2008 Surveillance ISO audit was conducted by ISO Lead Auditor (External) and Team Auditor (External) with support of IQAC Coordinators, ISO Coordinators and team.

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.

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

Part – B

Criterion – I

1. 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	05	Nil	05	Nil
PG Diploma	--	--	--	--
Advanced Diploma	--	--	--	--
Diploma	--	--	--	--
Certificate	--	--	--	--
Others	--	--	--	--
Total	13	Nil	13	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	13
Trimester	---
Annual	---

1.3 Feedback from stakeholders*   Alumni [✓]   Parents [✓]   Employers [✓] Students [✓]
   (On all aspects)

   Mode of feedback   :   Online [✓]   Manual [✓]   Co-operating schools (for PEI) [ ]

   * Attached the Analysis of the feedback as Annexure- II.

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

- Credit system is introduced in second year Engineering.
- Updating in syllabus for various subjects is given below

Subject	Salient aspects
A) Civil Engineering	
1. Building Technology and Materials	• In design Framed structures the following types of material is added**: -** light frame structure timber framed structure, RCC framed structure also the Glass block and partition wall added. • The part related to term work "Masonry and Lintel" and "Auto CAD Design" points are removed.
2. Surveying	• In Compass and Plane Table Surveying**:-**unit 1 RF Map and plan types of tapes concept of chain age and practical application of bearing plan this points are removed. • Leveling and Contouring**:-** unit 2 Principals axes of dumpy level are added • Theodolite Surveying**:-**In unit 3 open Travers and measurement of deflection angle using transit theodolite and open traverse survey this points are removed. • Tachometry& Electronic Measurement Techniques**:-**Unit 4 becomes tachometry and electronic measurement techniques. • Curves:-Unit 5 Transited theodolite is removed.
3. Strength of Materials	• Unit I: Simple Stresses and Strains. : - "Generalized Hook's law" points are removed. • MI of various figure point are added. • Field test on bricks" are added in practical of Laboratory Experiment work.
4. Geotechnical Engineering	• In Practical on Determination of water content by oven drying method are removed.
5.Fluid Mechanics I	• Dimensionless parameters (Euler No., Mach no. and Weber No) and their significance, Model Laws (Froude's Law and Reynolds's law) this part are added.
B) Computer Engineering	
1.Digital Electronics & Logic Design	• Introduction to micro controller-8051. • Number system in digital electronics is removed.
2.Advanced Data Structures	• Logic for graphical modeling of real life problem. • Operate on various structure data. • Build the logic to use appropriate data structure in logical and computational solution.
3. Microprocessor	• 80386 was removed and math coprocessor 80387 is added.
C) Electronics & Tc. Engineering	
1. Signal & Systems	• Energy Spectral Density (ESD) & Power Spectral Density (PSD) is removed from the syllabus and detail description of Fourier series is included.
2. Electronic Devices & Circuits	• Instead of BJT Analyze & interpret FET & MOSFET circuits is included .Also Power MOSFET is added.
3. Electrical circuits and machines	• A sandwich subject of electronics and electrical is newly introduced in SE 2015 pattern.
4. Data structure and algorithms	• Additional searching & sorting technique is introduced.

5. Digital Electronics	• VHDL is removed. Basics of microcontroller are included.
6. Electronic measuring instruments & tools	• Tester and megger instruments study is added.
7. Integrated circuits	• Variable Voltage regulator & IC manufacturing technology are removed. Op-Amp based Active filters are added.
8.Control Systems	• Signal flow graph, Zeigler-Nicholas method is added.
9. Analog Communication	• Various methods of AM & FM transmitter, receiver is added.
10.Employablity skill development	• Problem Solving Technique, Grammar & Comprehension, Arithmetic & math reasoning is added.
11**.** Engineering mathematics III	• No change
D) Information Technology	
1.Processor Architecture And Interfacing	• To study architecture and features of 80386 microprocessors and 8051 microcontroller. • To learn design of minimum system using 8051 microcontroller. Learn architectural details of 80386 microprocessor. • Understand memory management and multitasking of 80386 microprocessor. • Understand architecture and memory organization of 8051microcontroller Explain timers and interrupts of 8051 microcontroller and its interfacing with I/O devices.
2.Data Structures And Files	• To study data structures and their implementations using OOP (C++) and their applications. • To study some advanced data structures such as trees, graphs and tables. • To learn different file organizations Analyze algorithms and to determine algorithm correctness and time efficiency class. • Understand different advanced abstract data type (ADT) and data structures and their implementations. • Understand different algorithm design techniques (brute force, divide and conquer, greedy, etc.) and their implementation. • Apply and implement learned algorithm design techniques and data structures to solve problem.
3.Foundations Of Communication And Computer Network	• To understand fundamentals of communication systems. • To acquaint themselves with layered model used computer network. • Understand data/signal transmission over communication media • Recognize usage of various modulation techniques in communication. • Analyse various spread spectrum and multiplexing techniques • Use concepts of data communication to solve various related problems. • Understand error correction and detection techniques. Acquaint with transmission media and their standards.
4**.**Computer Graphics	• Basic concepts of Computer Graphics learn the various algorithms for generating and rendering graphical figures, apply the logic to develop animation and gaming programs.
E) Mechanical Engineering	
1.Manufacturing	Included practical instead of machine shop-I

Process-I	Term work assigned for this Subject. Workshop Practice is removed and added in practicals of this subject Sheet metal working process is included.
2.Computer Aided Machine Drawing	Instead of drawing and simple assembly a minimum 5 parts assembly is finalized for the final examination.
3.Thermodynamics	A unit on Psychometric is added. Vapour compression processes are added in Gas Power Cycles unit. Joules Experiment is added in practical An experiment on determination of Cp & Cv is added.
4.Material Science	Corrosion unit is added.
5.Strength of Materials	Assignment is reduced to two and practical is increased by one number.
6.Value Education	New subject is added in this syllabus which helps students to analyses their social and ethical values. Subject helps to students to improve their personality with the help of assignment like introduction, group discussion etc. to create awareness among the students, a visit to any NGO is compulsory.
7.Soft Skills	Following topics are added in the syllabus • SWOT analysis. • Listening Skills. • Oral presentation skills/Speaking Skills. • Resume writing. • Corporate / Business Etiquettes. • 6. Group Discussion.
8.Engineering Metallurgy	• Microscopic techniques i.e. SEM, TEM, AFM are added in the syllabus. • Corrosion unit is removed. • Metallography topic is introduced as a separate Unit in this subject.

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

Nil

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
195	170	14	09	--

2.2 No. of permanent faculty with Ph.D.   14

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
170	--	14	30	11	9	--	--	--	--

2.4 No. of Guest and Visiting faculty and Temporary faculty   --   --   --

2.5 Faculty participation in conferences and symposia:

Department: Mechanical Engineering

No. of Faculty	International level	National level	State level
Attended	13	--	--
Presented papers	13	--	--
Resource Persons	02	--	--

Department: Civil Engineering

No. of Faculty	International level	National level	State level
Attended	--	25	02
Presented papers	--	--	--
Resource Persons	--	--	04

Department: Computer Engineering

No. of Faculty	International level	National level	State level
Attended	--	09	37
Presented papers	17	--	02
Resource Persons	-	--	10

Department: Electronics and Telecommunication Engineering

No. of Faculty	International level	National level	State level
Attended	08	02	--
Presented papers	08	02	--
Resource Persons	--	04	01

Department: Information Technology

No. of Faculty	International level	National level	State level
Attended	03	--	--
Presented papers	08	--	--
Resource Persons	--	--	--

Department: Master of Business Administration

No. of Faculty	International level	National level	State level
Attended	--	--	--
Presented papers	07	--	--
Resource Persons	--	--	--

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

Some of the innovative teaching methodologies adopted are as follows:
- Faculty members are given specialized training by professionals, I-media (IT), APART.
- Faculty uses computer simulation during the theory and practical classes.
- Institute conducts mock online test for students to practice for university online examination.
- Institute conducts mock practical / oral examination for students.
- 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.
- Various innovative teaching-learning practices advocated by Mission10X such as role-play, quiz, brainstorming, puzzles, and activities are incorporated in the teaching plan to make learning more effective.
- Project-based learning and experiential learning like field work, visit to industries and guest lectures are organized on regular basis.

Effort by the Institute
- The Institute conducts two days induction seminar for newly joined faculty to give them information regarding Institutes code of conduct.
- IQAC annually organizes training for faculty on innovative pedagogy, best practices in teaching and learning, moral values, question paper setting etc.
- Institute constantly encourages the faculty to adopt various innovative practices by deputing the faculty to various workshops and seminars involving Teaching Learning Process.
- Almost 90% of the faculty has undergone Wipro Mission10X workshops which include Dale Carnegie High Impact Presentation Skills Certification, Mission10x certification for teachers.
- Faculty is encouraged to use various online resources such as NPTEL lectures for teaching learning process.

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 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.

2.9 No. of faculty members involved in curriculum
     Restructuring/revision/syllabus development

     18

     as member of Board of Study/Faculty/Curriculum Development workshop

2.10 Average percentage of attendance of students

     75-80

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	224	31.69	38.39	1.3	--	--
BE Civil Engineering	162	48.76	34.56	2.46	--	--
BE Computer Engineering	155	38	47	6	--	--
BE Electronics and Telecommunication Engineering	168	35.12	42.86	4.76	--	--
BE Information Technology	74.39	19.51	--	--	--	--
Master of Business Administration-II	50	18	62	18	--	--

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

 Internal Quality Assurance Cell (IQAC) / Under ISO

This cell checks course files, theory and practical attendance sheets, Lab manuals, staff feedback

etc. in every semester and submit the report of same to the Principal.

Vigilance/Monitoring Committee (Coordinators)

This cell 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	02
UGC – Faculty Improvement Programme	--
HRD programmes	02
Orientation programmes	34
Faculty exchange programme	--
Staff training conducted by the university	44
Staff training conducted by other institutions	88
Summer / Winter schools, Workshops, etc.	202
Others	--

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	109	--	05	13
Technical Staff	37	-	--	--

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.

3.2 Details regarding major projects

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

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	08	08	06	-
Outlay in Rs. Lakhs	11.8 Lakhs	11.7 Lakhs	5.91 Lakhs	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	72	01	-
Non-Peer Review Journals	37	02	-
e-Journals	01	-	-
Conference proceedings	39	01	-

3.5 Details on Impact factor of publications:

Range $\boxed{\text{0.1 to 4.582}}$ Average $\boxed{\text{-}}$ h-index $\boxed{\text{0-55}}$ Nos. in SCOPUS $\boxed{32}$

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	Received
Major projects	-	-	-	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	02	BCUD, SPPU, Pune	13.35 Lakhs	6.63 Lakhs
Students research projects *(other than compulsory by the University)*	-	-	-	-
Any other(Specify)	-	-	-	-
Total	02	-	13.35 Lakhs	6.63 Lakhs

3.7 No. of books published   i) With ISBN No. $\boxed{01}$ Chapters in Edited Books $\boxed{01}$

ii) Without ISBN No. $\boxed{01}$

3.8 No. of University Departments receiving funds from

UGC-SAP $\boxed{\text{-}}$ CAS $\boxed{\text{-}}$ DST-FIST $\boxed{\text{-}}$

DPE $\boxed{\text{-}}$ DBT Scheme/funds $\boxed{\text{-}}$

3.9 For colleges   Autonomy $\boxed{\text{-}}$ CPE $\boxed{\text{-}}$ DBT Star Scheme $\boxed{\text{-}}$

INSPIRE $\boxed{\text{-}}$ CE $\boxed{\text{-}}$ Any Other (specify) $\boxed{\text{BCUD, SPPU, Pune}}$

3.10 Revenue generated through consultancy $\boxed{\text{5.59 Lakhs}}$

3.11 No. of conferences Organized by the Institution

Level	International	National	State	University	College
Number	01	01	01	-	-
Sponsoring agencies	BCUD, SPPU, Pune	BCUD, SPPU, Pune	SRES Sanjivani COE, Kopargaon	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons | 14 |

3.13 No. of collaborations   International | - | National | - | Any other | - |

3.14 No. of linkages created during this year

- Earth Solutions Pvt.Ltd., Pune.
- Cybercure Technologies Pvt. Ltd. Delhi.
- Trycosys Solutions, Pune.
- Syntego Global IT System Pvt. Ltd, Pune.
- Skyfi Educations Labs Pvt.Ldt. Bengaluru, Karnataka.
- Bhansali Traliers Pvt.Ltd,Ahmednagar, Maharashtra.
- Ahmednagar Auto and Engineering Associations, Ahmednagar.
- Project under National Mission on Education therough ICT, MHRD, Govt. of India.
- Ingenio Technology Pvt. Ltd, Pune.
- Indian Engineering Olympiad,Banglore
- TCS.(Tata Consultancy Services)
- Nodal centre of e- proyog project initiative of IIT, Bombay.

3.15 Total budget for research for current year in lakhs:

From funding agency | 11.7 Lakhs | From Management of University/College | 15.6 Lakhs |

Total | 27.3 Lakh |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	11
	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
Nil	-	-	-	-	-	-

3.18 No. of faculty from the Institution
      Who are Ph.D. Guides

      03

      And students registered under them

      12

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

      00

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   NA   NSS   06   Any other   02

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

- Tree Plantation.
- Orientation Program.
- Essay competition.
- NSS week activities:
    a) Poster competition on ─Eco-Friendly Ganpati.
    b) Best Group Competition.
    c) Sanjivani Campus Cleaning.
    d) Tree Plantation.
    e) Video lecture on ─Wonders of Attitude.
    f) Presentation by NSS groups: Cultures of different countries.
- Road Safety Abhiyan.
- Blood donation program.
- "Collection Drive" of cloth, shoes, utensil etc. in association with Snehalaya, Ahmednagar.
- Social visit to Snehalaya, 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	35	-	Institute	35
Laboratories	32	-	Institute	32
Seminar Halls	5	-	Institute	5
No. of important equipments purchased ($\geq$ 1-0 lakh) during the current year.	1026	146	Institute, BCUD(SPPU, Pune)	1172
Value of the equipment purchased during the year (Rs. in Lakhs)	3,96,37,903=00	82,66,477=00	Institute, BCUD(SPPU, Pune)	4,79,04,380=00
Other (Tutorial Rooms)	13	04	Institute	17

4.2 Computerization of administration and library

> ➢ **Administration:**

- Account Office, Student Section, Establishment Office, Training and Placement Office, Central Library and all departments are computerized.
- Web and SMS based ERP software **SackInfo 2.5** is installed in the Sanjivani

    College of Engineering Kopargaon which contains following modules:

    - System Administration
    - User Management
    - Establishment
    - Admission
    - Front Office
    - Student Section
    - Academic Monitoring
    - Library

> ➢ **Library:**

- Open access system is provided to all users.
- NPTEL (National Program on Technology Enhanced Learning) video lectures and e-resources are available throughout campus by Wi-Fi connectivity.
- Web based OPAC (Online Public Access Catalogue) search is provided.
- The faculty and students can access e – resources available in the library, video lecture series of NPTEL 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.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value (Lacs)	No.	Value (Lacs)	No.	Value (Lacs)
Text Books	52170	200.00	1114	10.87	53284	210.87
Reference Books	6414	80.57	154	5.85	6568	86.42
e-Books	32	0.14	-	-	32	0.14
Journals	106	2.68	-	-	106	2.68
e-Journals	1624	18.90	-	-	1624	18.90
Digital Database	NPTL 8000 Video lectures	0.878	-	-	NPTL 8000 Video lectures	0.878
CD & Video	CD: 3478 Video: 20	-	-	-	CD: 3478 Video: 20	-
Others (specify)	-	-	-	-	-	-

4.4 Technology upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	1089	32	College campus is connected to central server through LAN which provides 100 Mbps speed, Wi-Fi Connectivity in overall Campus.	01	01			
Added	80	-	-	-	-			
Total	1169	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.)

- ➢ **SUPER RESOURCE CENTRE:**
  - Sanjivani College of Engineering, Kopargaon is a Resource Centre for Spoken Tutorial Project by IIT Bombay with effect from 1/2/2013 which is working for the National Mission on Education through ICT, aiming at "Making India IT Literate".
  - IIT Bombay promoted Sanjivani College of Engineering as a Super Resource Centre with effect from 20/11/2014 because of great and excellent work by college.
  - STTP for school teachers is conducted in the college which is a Spoken Tutorial based self-learning workshop to create awareness about FREE and OPEN SOURCE SOFTWARE (FOSS).

- ➢ **KNOWLWEDGE CENTRE:**
  - Sanjivani College of Engineering, Kopargaon is a Knowledge Centre for Spoken Tutorial Project by IIT Bombay since 19/02/2016.
  - Under this there is a Spoken Tutorial Project by IIT Bombay which is a part of the National Mission on Education through ICT, MHRD, Govt. of India to spread IT Competence all over India.
  - It is a self-learning Audio-Video teaching tool which students can use to learn a variety of Open Source Software on their own.
  - It helps to train the students on General IT Skills, Programming and Esoteric Software and Specialized Software.
  - The course provides employable skills and helps to improve academic performance and because of Govt. funding the course, training and certificate are free of cost.

- ➢ **E-PRAYOG OF VIRTUAL LAB PROJECT by IIT BOMBAY:**
  - e-Prayog IIT Bombay provides the online laboratory facility to operate instruments used in the experimental set-up; measure different quantities and thereafter analyze the experimental data; and work collaboratively.
  - e-Prayog IIT Bombay had conducted workshop on Reconfigurable Hardware and provided 10 Helium and 4 Krypton kits of CPLD Boards to our institute.
  - A workshop on Scilab, an open source computing software alterative to AMTLAB is conducted regularly for students of institute.

4.6 Amount spent on maintenance in lakhs :

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

| 29.89 |

  ii) Campus Infrastructure and facilities

| 63.75 |

 iii) Equipments

| 1.24 |

 iv) Others

| 63.07 |

Total :

| 157.95 |

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 are conducted with IQAC 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, and 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
2964	208	13	NIL

(b) No. of students outside the state

08

(c) No. of international students

NIL

Men

No	%
2504	78.62

Women

No	%
681	21.38

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
1760	280	43	847	00	2930	1677	314	46	1148	00	3185

Demand ratio   NA   Dropout 2.57 %

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

200

5.5 No. of students qualified in these examinations

NET   00   SET/SLET   00   GATE   14   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 number 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 differences and 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
41	2923	281	40

5.8 Details of gender sensitization programmes

It refers to the modification of behavior outlook by raising awareness of gender equality concerns. This is achieved by conducting various sensitization campaigns, workshop, awareness programmmes 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 behavior of teachers and parents (etc.) towards children can have a causal effect on gender equality.

The institute has arranged a variety of programmes to address various issues related to gender equality, women empowerment etc. Listed are few among them.

- One day workshop on ' Cyber Secured Digital India for Women's safety' was organized exclusively for girls students and women faculty.
    - No. of participants: 163
- Hemoglobin checking programme was carried out for female students and 602 students took advantage of the same.
- Guest lecture series as a health education module exclusively for girls under Vidyarthini Arogya Prabodhan Program sponsored by SPPU, Pune.
  a. Depression
     No. of women participants: 93
  b. Stress Management with Respect to Examination and /or Campus stay,
     No. of women participants: 88
  c. Gender Sensitization with Introduction to Laws and Regulations Regarding   Women,
     No. of women participants: 85 students, 2 Faculty.
  d. Self Defence- Sexual Harassment recognition and reaction,
     No. of women participants: 46 students, 2 Faculty.

5.9 Students Activities

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

State/ University level | 24 | National level | 00 | International level | 00 |

No. of students participated in cultural events

State/ University level | 04 | National level | 01 | International level | 00 |

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

Sports : State/ University level | 17 | National level | 03 | International level | 00 |

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

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	210	133500=00
Financial support from government	1822	10,85,91,636=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 | 02 | National level | 00 | International level | 00 |

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

5.12 No. of social initiatives undertaken by the students | 08 |

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 upliftment 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

> - 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.
> - 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

FE Marks: TH: 100 TW:25 OR/PR:50	**Online Exam** **25 Marks** **Twice in Sem.**	**Assignments**	**End. Sem.** **50 Marks**
SE Marks: TH: 100 TW:25 OR/PR:50	**Online Exam** **25 Marks** **Twice in Sem.**	**Tutorial** **Mock PR/OR**	**End. Sem.** **50 Marks**
TE/BE Marks: TH: 100 TW:25 OR/PR:50	**In Sem Exam** **30 Marks**	**Tutorial/** **Assignments** **Mock PR/OR**	**End. Sem.** **70 Marks**

- 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.

6.3.4 Research and Development

- To strengthen the culture of research and development by encouraging faculty members to pursue research by providing them the facilities like individual system, Wi-Fi connection, digital library, equipments and laboratory.

- To promote production of intellectual property in terms of research output, publications, applied research and transfer of knowledge.

- To encourage students to undertake industry sponsored projects.

- To 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.
- Maintenance and cleanliness is done on regular basis.

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

- Industry relevant programmes in association with leading industries through tie-ups.

- 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.

- Allocation of budget taking up in house R & D as a measure to improve research activities

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 3 lakhs available at Tantrashikshan Sanjivani Karmchari Patsansta (TSKPAT).
- Gratuity as per government norms.
- Group medical Insurance of each employee with family cover of 5 members upto 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.
- Sponsorship to faculty in faculty exchange program with University of Lethbridge. Canada, Pozanan University Poland etc.

- Staff Welfare fund(SWF)
- Awards.
- 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. Sai sansthan 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 Dr. M. H. Batra as Medical Officer who is available in institute's dispensary from 7.00 pm to 8.00 pm every day except holidays.
- Dr. Golecha Nayana Manoj is appointed as Medical Officer to look after girl students and faculty staying in the campus from 5.00 pm to 6.00 pm every day except holidays in institute's consulting room.
- 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	Auditors appointed by parents trust	Yes	Principal

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?

NA

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

NA

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:

- Networking with alumni.
- Arranging alumni meets.
- Creating alumni chapters.
- Conveying institute updates to alumni.
- Getting feedback from alumni.

Maintain record of alumni contributions like expert lectures, placement

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.

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

> - 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. Innovations and Best Practices

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

- Mechanical, Computer and Civil Engineering departments are got NBA accreditation.
- Soft Skill Training are conducted for overall improvement of students.
- Conducted FDP and STTP for developing technical skills of staff.
- Attendance monitoring system by ERP based System.
- Industry visits are done by faculty from each departmental which may useful to find expectations of industry.
- Industry Institute Interaction Cell (IIICell) has been formed.
- NPTEL videos are available for students and staff in college campus.
- Mentorship Scheme is introduced to improve and develop leadership qualities, soft skills, communication skill etc.
- In every department innovative activities like Self Learning, Tutorials, and Content beyond Syllabus are conducted in teaching learning process.
- ISO 9000:2008 certification for academic and allied procedures.
- Different Students' 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

- Before starting of every semester the planning of academic, co-curricular and extracurricular activities are informed to all teaching, non-teaching staff and students.
- ISO Committee members are monitoring the quality objectives and continuous improvement.
- Academic Monitoring is conducted by senior faculties of each department. Also feedback is taken from students to check performance of staff in classes and in laboratories. Notice is issued if feedback of that faculty is not satisfactory.
- Internal ISO audit is conducted after end of semester through which planned and executed activities are checked and evaluated. Also corresponding corrective measure actions are taken, if any. In last year no such major compliance found.
- At the end of every semester term-work submission is completed based on continuous assessment. After declaration of result of University oral-practical examination and theory examinations, result analysis is carried out and if result is not satisfactory then Notice is issued to that faculty.

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

Mentorship Scheme.

Students' Association at Department levels and Institute level.

* Attached the details of Best practices as Annexure- III (i), Annexure-III(ii).

7.4 Contribution to environmental awareness / protection

- Regular tree plantation and maintenance of garden which make pleasant and fresh atmosphere in campus.
- Less usage of paper.
- Constructed rain water harvesting set up.
- The trees and lawns are maintained with water drips and sprinklers respectively.
- NSS are creating awareness among the young generation and among society to protect and save the environment.

7.5 Whether environmental audit was conducted?　　Yes ✔　　No ☐

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

SWOT Analysis

- **Strength:**
  - ISO 9001:2008 Certified Institute.
  - NBA Accreditation of IT, Mechanical, E&TC, Computer and Civil Engineering.
  - Accredited By Institutions of Engineers, (India).
  - Winner of various state and National level awards.
  - 33 years of Establishment.
  - Strong Alumni base.
  - Visionary Leadership.
  - Consistency in University Rank holders.
  - Good staff retention.
  - Good Placement Record.
  - Adequate Infrastructure.
  - Good University results.
  - Good Team work.
  - Good Teaching Learning Process.
  - Foreign Collaboration with three Universities.
  - Mentorship Scheme.
  - State of the art Library.
  - Wi-fi Campus.
- **Weakness**
  - Because of primary education of the students in vernacular language, the students are weak in English communication.
  - In nearby vicinity very few small scale industries, due to this less .industry exposure to the students.
- **Opportunities**
  - Industry Interaction.
  - Rural Development work.
  - Consultancy on various projects.
  - Networking with other institutes and organizations.
  - Research Grants.
- **Challenges**
  - To reduce skill gap between students and industry expectation.
  - Involvement of industry professionals.
  - Improving the quality of admitting students.

8. **Plans of institution for next year**

- To improve on/off campus Placement for students.
- To Establish MoUs with leading industries and academic institutions.
- To arrange interaction for students and faculty with leading industrial experts/academicians.
- To organize Conferences /Seminars/Workshops etc at National/International level for both faculty and students on emerging trends in various engineering and management disciplines.
- To arrange Industrial training programmes/internship for the faculty and students.
- To arrange Student development programmes in the emerging areas of engineering and management.
- To arrange special programme for soft skill developments.
- To conduct training programmes for competitive examinations.
- To conduct Faculty development programmes on latest technologies and teaching methodologies.
- To enhance interaction of alumni with the Institute.
- To get more research projects from central/state funding agencies.

Prof. R. G. Zope   *Dr. D. N. Kyatanavar*

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____

Annexure I [Academic Calender]

Sanjivani Rural Education Society's

COLLEGE OF ENGINEERING, KOPARGAON

Academic Calender 2015 - 16

F.E. SEMESTER - I

ACAD - F -01

JULY 2015

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

20/07/2015   : Parents- Students meet
21/07/2015   : Classes Start

AUGUST 2015

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

15/08/2015   : Independence Day
17-21/08/2015 : Class test-I at individual level
24-29/08/2015 : Probable date of University
                  online Examination (Phase-I)

SEPTEMBER 2015

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			

17/09/2015   : Ganesh Chaturthi
24/09/2015   : Bakri Eid
27/09/2015   : Anant Chaturdashi
28-30/09/2015 : Class test-II at individual level

OCTOBER 2015

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

01/10/2015   : Class test-II at individual level
02/10/2015   : Mahatma Gandhi Jayanti
05-10/10/2015 : Probable date of University
                  online Examination (Phase-II)
22/10/2015   : Dasara (Vijayadashmi)
24/10/2015   : Moharam

NOVEMBER 2015

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					

07/11/2015   : Detention List
09-14/11/2015 : Dipawali
16-21/11/2015 : Preliminary Examination
23/11/2015   : TW Submission

*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
College of Engineering, Kopargaon

Sanjivani Rural Education Society's

COLLEGE OF ENGINEERING, KOPARGAON
Academic Calender 2015 - 16
SEMESTER - I (SE, TE & BE)

ACAD - F -01

JUNE 2015

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

15/06/2015 : Reporting Day
16/06/2015 : Classes Start

JULY 2015

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	

18/07/2015 : Ramzan Eid
20/07/2015 : Attendance Review & display
20/07/2015 to 25/07/2015 : Student feedback

AUGUST 2015

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

15/08/2015 : Independence Day
20/08/2015 : Mid Term detention & Attendance display

SEPTEMBER 2015

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			

17/09/2015 : Ganesh Chaturthi
25/09/2015 : Bakri Eid
28/09/2015 to 01/10/2015 : PR/OR Mock Exam

OCTOBER 2015

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

01/10/2015 : Detention List
02/10/2015 : Mahatma Gandhi Jayanti
03/10/2015 : T/W Submission
22/10/2015 : Dasara
24/10/2015 : Moharam

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
College of Engineering, Kopargaon

Sanjivani Rural Education Society's

COLLEGE OF ENGINEERING, KOPARGAON - 423603.

Academic Calender 2015-16
Semester - II (FE,SE,TE&BE)

ACAD-F-01

DECEMBER 2015

S	M	T	W	T	F	S
	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

14/12/2015 -   Reporting & Classes Start
25/12/2015 -   Christmas
Soft skill training ➡
● 19,20,26, 27   (BE)   ● 23,24   (TE)
● 21,22   (SE)

JANUARY

S	M	T	W	T	F	S
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	30

16/01/2016 -   Attendance Review & display
26/01/2016 -   Republic Day
Soft skill training ➡
● 6, 7, 20, 21   (TE)
● 4, 5, 18, 19   (SE)

FEBRUARY

S	M	T	W	T	F	S
	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					

19/02/2016 -   Chatrapati Shivaji Maharaj Jayanti
16/02/2016 -   Mid Term Detention & Attendance display

MARCH

S	M	T	W	T	F	S
		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		

Soft skill training ➡
● 02, 03   (SE)
● 04, 05,   (TE)
29/03/16
    To   PR /OR Mock Exam
31/03/16

APRIL

S	M	T	W	T	F	S
					1	2

01,02/04/2016

TW Submission & Conclusion of Term

Note : Any modification will be communicated.

SPECIMEN COPY

(Dr. D.N. Kyatanavar)
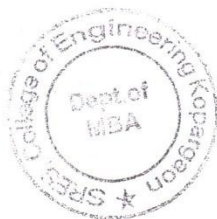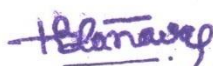**Principal**
College of Engineerign, Kopargaon

SRES- College of Engineering, Dept. of MBA
Academic Calendar Sem-I & III – 2015-16

MBA I		
Sr.No.	Activity	Date
1.	Classroom Welcome Program	27.07.15
2.	Commencement of Lectures	28.07.15
3.	Induction Program	03.08.15 to 04.08.15
4.	Visit to Ralegan Siddhi	07.08.15
5.	Guest Lecture	24.08.15
6.	Sanjivani Trophy Launching and Fresher's Party	09.09.15
7.	Aptitute test (Sanjivani Trophy 2013-14)	11.09.15
8.	Group Discussion (Sanjivani Trophy 2013-14)	26.09.15
9.	Class Test	05.10.15 to 07.10.15
10.	Guest Lecture	01.10.15
11.	Extempore (Sanjivani Trophy 2013-14)	03.10.15
12.	Syllabus completion	31.10.15
13.	Online exam (Probable)	02.11.15 to 07.11.15
14.	Diwali vacation	09.11.15 to 14.11.15
15.	University Exams (Probable)	02.12.15

MBA II		
Sr. No.	Activity	Date
1.	Commencement of Lectures	20.07.15
2.	SIP Presentations	04.08.15 to 06.08.15
3.	Industrial Visit	21.08.15
4.	Guest Lecture	24.08.15
5.	Training on Interview Techniques	14.09.15 to 16.09.15
6.	Industrial Visit	29.09.15
7.	Class Test	05.10.15 to 07.10.15
8.	Guest Lecture	01.10.15
9.	Internal SIP Viva Voce Examination	30.10.15
10.	Syllabus completion	31.10.15
11.	Online exam (Probable)	02.11.15 to 07.11.15
12.	Diwali Vacation	09.11.15 to 14.11.15
13.	University Exams (Probable)	02.12.15

Dr. B. M. Londhe
HOD, MBA
SRES, COE, Kopargaon
423603,Dist.A.Nagar
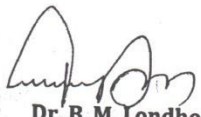
Dr. D. N. Kyatanavar
Principal
SRES, College of Engineering
Kopargaon 423603,Dist.A.Nagar

MBA-F-01

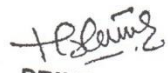## SRES- College of Engineering, Dept. of MBA
Academic Calendar Sem-II and IV- 2015-16

Sr.No.	Activity	Date
	MBA-I	
1.	Commencement of Lectures	04.01.16
2.	Industrial Visit	19.01.16
3.	Marketing Mela- Sanjivani Trophy	24.01.16
4.	Guest Lecture	30.01.16
5.	International Guest lecture	01.02.16
6.	Winter Project Presentation-Sanjivani Trophy	02.02.16
7.	Guest Lecture	05.02.16
8.	International Seminar	05.02.16 to 06.02.16
9.	Poster Presentation	13.02.16
10.	Business Quiz- Sanjivani Trophy	26.02.16
11.	Class Test /Internal Exam	03.03.16 to 05.03.16
12.	Presentation- Sanjivani Trophy	11.03.16
13.	Syllabus completion	31.03.16
14.	Internal Viva(Online exam Probable date)	01.04.16 to 08.04.16
15.	Submission & Exam Preparation period	13.04.16 to 24.04.16
16.	University Exams(Probable)	25.04.16

S. N.	Activity	Date
	MBA-II	
1.	Commencement of Lectures	04.01.16
2.	Guest Lecture	30.01.16
3.	International Guest lecture	02.02.16
4.	Guest Lecture	05.02.16
5.	International Seminar	05.02.16 to 06.02.16
6.	Class Test /Internal Exam	03.03.16 to 05.03.16
7.	Syllabus completion	31.03.16
8.	Internal Viva (Online Exam Probable)	01.04.16 to 08.04.16
9.	Farewell	09.04.16
10.	Submission & Exam Preparation period	13.04.16 to 24.04.16
11.	University Exams(Probable)	25.04.16

Dr. B. M. Londhe
HOD,MBA

PRINCIPAL
College of Engineering
Kopargaon
Principal

Annexure II [Analysis of the Feedback]

Sanjivani engineering Students Alumni Association, Kopargaon

Institute has alumni association as SANJIVANI Engineering Students Alumni Association registered with Charity Commissioner, Ahmednagar. This was established in the year 2002 as SANJIVANI Engineering Student Alumni Association. This association has establishes local chapters at Kopargaon, Nasik, Pune, Mumbai, Delhi and Bengaluru.After half yearly alumni meets are conducted at various local chapters. Also mega alumni meets are conducted at college campus and feedbacks are collected from the stake holders for the betterment of the Institute.The feedback analysis from the alimni stakeholders for Pune Meet 2015.

SR. NO.	Details	E	G	S	YES	NO
1	How do you find yourself after graduation regarding knowledge?	34	24	-	-	-
2	How do you find yourself in synthesis and analysis of data?	26	32			
3	How do you work in project as a team member?	41	16	1		
4	Did you get opportunity to work as a leader in project?				41	17
5	How prepared you for seeking admission to PG level?	19	39			
6	By which activity you aware of lifelong learning and professional ethics?	58				
7	Level of ethical values improved during graduation.	45	13			
8	Level of opportunity provided for innovative project and research.	22	36			
09	Did your department provide you with the necessary funds to participate in conference or workshop?				42	16
10	How would you rate your graduate experience at COE?	43	15			

*E=Excellent   *G= Good   *S= satisfactory

Overall Feedback is for Excellent=81.69%, Good=12.5%, Satisfactory=5.8%.

Prof. Y A Bhavsar
Secretary
(SESAA, Kopargaon)

Dr. C. L. Jejurkar
Dean 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.