



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	SANJIVANI COLLEGE OF ENGINEERING KOPARGAON
Name of the head of the Institution	Dr. Devendra Ningappa Kyatanavar
Designation	Director
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	+919130191301
Mobile no.	9226798745
Registered Email	principalcoe@sanjivani.org.in
Alternate Email	kyatanavar@gmail.com
Address	At. Sahajanandnagar P.O. Shingnapur Tal. Kopargaon Dist. Ahmednagar (Maharashtra) 423 603, India
City/Town	Kopargaon
State/UT	Maharashtra

Pincode	423603																		
2. Institutional Status																			
Autonomous Status (Provide date of Conformant of Autonomous Status)	29-Apr-2019																		
Type of Institution	Co-education																		
Location	Rural																		
Financial Status	Self financed																		
Name of the IQAC co-ordinator/Director	Rajendra Govinda Zope																		
Phone no/Alternate Phone no.	+919130191301																		
Mobile no.	9420952161																		
Registered Email	iqaccoe@sanjivani.org.in																		
Alternate Email	zoperajendrakumaretc@sanjivani.org.in																		
3. Website Address																			
Web-link of the AQAR: (Previous Academic Year)	https://www.sanjivanicoe.org.in/images/pdf/naac/AQAR-2018-2019.pdf																		
4. Whether Academic Calendar prepared during the year	Yes																		
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.sanjivanicoe.org.in/images/pdf/naac/Academic_Calender_AY_2019-2020.pdf																		
5. Accrediation Details																			
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>A</td> <td>3.02</td> <td>2017</td> <td>12-Sep-2017</td> <td>31-Dec-2024</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	A	3.02	2017	12-Sep-2017	31-Dec-2024
Cycle	Grade	CGPA	Year of Accrediation	Validity															
				Period From	Period To														
1	A	3.02	2017	12-Sep-2017	31-Dec-2024														
6. Date of Establishment of IQAC	23-Jul-2016																		
7. Internal Quality Assurance System																			

Quality initiatives by IQAC during the year for promoting quality culture

Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
IQAC meeting	26-Sep-2019 1	17
IQAC meeting	12-Mar-2020 1	17
Academic and Administrative audit	02-Nov-2020 2	373
Internal audit ISO 9001:2015 standard	23-Sep-2019 2	373
External Surveillance audit ISO 9001:2015 standard	03-Oct-2019 2	373
Participation in NIRF	08-Jan-2020 1	373
NBA Accreditation Committee Visit	03-Jan-2020 3	373
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8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Sanjivani College of Engineering	Government of India Scholarship	Maha DBT	2019 365	146526909
Computer Engineering	Research Promotion Scheme	AICTE-RPS	2019 1095	1079000
Electronics and Telecommunication	Modernisation and Removal of Obsolescence	AICTE-MODROB	2019 370	1000000
Computer Engineering	Modernisation and Removal of Obsolescence	AICTE-MODROB	2019 370	1000000
View File				

9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

12. Significant contributions made by IQAC during the current year(maximum five bullets)
Feedback from stake holders has been taken on various Institutional processes for ensuring quality.
Capsule courses were conducted in all department with special emphasis on emerging technology.
Industrial visits and intern-ship are promoted for both students and faculty.
Training by professional agencies were provided to the students for career awareness
Special projects having social relevance have been identified by various departments

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Improve learning capability of slow learners	Remedial classes and tests are conducted for slow learners beyond the college hours. Handouts, class notes etc. are provided to such students for easy understanding of the topics.
AICTE sponsored two weeks FDP on Integration of Moral Values, Ethics Behaviour Science and Attitude Towards Outcome Based Education.	Faculty are exposed to the latest pedagogical methods including technology-enabled Learning. Moreover, they offer requisite exposure for aligning quality teaching & learning with Accreditation(s) integrated with Values, Ethics, and Attitude.
AICTE sponsored two weeks FDP on Emerging Trends in Speech, Image and Video processing techniques.	Faculty acquired the knowledge about current technological developments in fields of Speech, Image and Video Processing. Also, they understood the Image processing basics and develop a

	foundation that can be used in further study and research in this field.
Sanjivani My Story Board Platform is formed to increase the interaction with Alumni	Every department is organising the programme under the banner of Sanjivani My Story Board in which the alumni of their respective department is interacting with the students.
Sanjivani i-connect platform is formed to increase the interaction with industry.	Every department is organising the programme under the banner of Sanjivani i-connect in which the industry peoples are interacting with the students.
SAP training programme is started on five SAP modules ABAP, FICO, MM, PP, SD at the beginning of academic year 2019-2020	Many students have completed their Modules as per their interest. Number of students enrolled: 227 Number of certified students: 38 Number of Internship programmes carried out: 3 Number of SAP webinar conducted :3 Number of students placed: 27
View File	

14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body	19-Jul-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	03-Jan-2020
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2020
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Date of Submission	15-Jan-2020
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief description and a list of modules currently operational (maximum 500 words)	There is an efficient and highly integrated information system in the Institute. Web and SMS based ERP (Enterprise Resource Planning) software SackInfo 2.5 is installed in the Institute which contains following modules: 1. System Administration 2. User Management 3. Establishment 4. Admission 5. Front Office 6. Student
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Section 7. Academic Monitoring 8. Library ERP system is very helpful to monitor daily routine activity with single click. There are many advantages to implementing an Enterprise Resource Planning (ERP) software system. Among countless other advantages, implementing ERP software can improve productivity, increase efficiency, decrease costs and streamline processes. The top five most common benefits are : 1. Efficiency: An ERP system eliminates repetitive processes and greatly reduces the need to manually enter information. The system will also streamline business processes and makes it easier and more efficient for organization to collect data. 2. Integrated Information: Instead of having data distributed throughout a number of separate databases, all information is now located in a single location. Data is also kept consistent and uptodate. 3. Reporting: ERP software helps make reporting easier and more customize. With improved reporting capabilities, your organization can respond to complex data requests more easily. Users can also run their own reports without relying on help from IT. 4. Customer Service: It's easier to provide highquality customer service using an ERP system. 5. Security: ERP system provides improved accuracy, consistency and security of data. Restrictions to data can also be enhanced.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	EM 110	Civil Engineering	29/02/2020
BTech	ES 113	Civil Engineering	29/02/2020
BTech	EG 106	Mechanical Engineering	21/07/2019
BTech	BM 108	Mechanical Engineering	21/07/2019
BTech	ET	Electronics and Telecommunication Engineering	01/08/2019

Mtech	ET	Electronics and Telecommunication Engineering	16/08/2019
BTech	CO	Computer Engineering	01/08/2019
Mtech	CO	Computer Engineering	16/08/2019
BTech	IT	Information Technology	01/08/2019
BTech	BE 104	Electrical Engineering	21/07/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Civil Engineering	05/08/2019	NIL	05/08/2019
BE	Mechanical Engineering	05/08/2019	Nil	05/08/2019
BE	Electronics and Telecommunication Engineering	05/08/2019	Nil	05/08/2019
BE	Computer Engineering	05/08/2019	Nil	05/08/2019
BE	Information Technology	05/08/2019	Nil	05/08/2019
BE	Electrical Engineering	05/08/2019	Nil	05/08/2019
MBA	MBA	05/08/2019	Nil	05/08/2019
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
MBA	Om Logistics Internship Programme	01/12/2019
BE	Smart Hackthon-2020 Competition (Electrical Engineering)	18/01/2020
BE	RHCSA/RHCE (Information Technology)	05/01/2020
BE	All programmes SAP	15/07/2019
BE	Introductory Course on Creo 4.0 (Mechanical Engineering)	22/07/2019
BE	Introductory Course on	10/07/2019

	ANSYS (Mechanical)	
BE	Python Programming(online course) Mechanical Engineering	02/03/2020
BE	Programming using CPP (Mechanical	27/01/2020
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
MBA	PG	01/07/2019

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Civil Engineering- Auto CAD Training	20/11/2019	150
Civil Engineering-STADD Pro Training	15/02/2020	60
Mechanical Engg.-Lean Manufacturing	19/09/2019	121
Mechanical Engg.- Road Safety	14/01/2020	50
Mechanical Engg. -GD and T	23/01/2020	76
ETC- Introduction to C Programming	02/01/2020	91
ETC-Introduction to Python Programming	04/02/2020	91
Comp. Engg.-Capsule Course on "Introduction to Python	01/08/2019	18
Comp. Engg.-Capsule Course on Technical Programming	08/07/2019	21
I.T.- Python Programming	26/12/2019	49
View File		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering-Field Projects	183
BE	Civil Engineering- Internship Third Year and Final Year	61
BE	Mechanical Engg.-Field	49

	Projects	
BE	Mechanical Engg.-Internship	29
BE	E & TC- Internship	90
BE	Computer Engg.-Internship	12
BE	I.T.- Internship	8
BE	Electrical Engg.-Field Project	15
BE	Electrical Engg.-Internship	9
MBA	Project+ Internship	120
View File		

1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>We all need people who will give us feedback. That's how we improve." Statement pointed out the importance of feedback in an organization. The institute has a well-established mechanism for collecting the feedback of the stake holder's viz. students, teachers, parents, alumni and employers. The feedback is taken once in a semester from the students to assess the quality of teaching-learning process. Each teacher is assessed based on his/her performance during teaching in theory classes as well as for practical classes including skill, communication, class control, preparation etc. After analysing the feedback, the teachers having less feed-back are instructed by the authorities for improvement. Similarly feedback from parents is collected through parents meet once in a semester and analysed for the improvement in the system. Employer's feedback is taken to assess the performance of our pass out students and for further improvements in the system.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of	Number of	Number of	Number of	Number of

	students enrolled in the institution (UG)	students enrolled in the institution (PG)	fulltime teachers available in the institution teaching only UG courses	fulltime teachers available in the institution teaching only PG courses	teachers teaching both UG and PG courses
2019	2762	143	157	20	177

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
No Data Entered/Not Applicable !!!					
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

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 interviews, interpersonal skills, soft skills etc. The mentor activities are conducted as per the schedule prepared in the beginning of the semester. 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 a group of 20 students for personalized attention and counselling. Mentor takes care of the overall development of the mentee till one 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 counseling is arranged by bringing it to the notice of higher authorities and professional counselor, if required. Group of 15-20 students from each class is assigned to each faculty from the department every Friday. Mentor meeting is called at 02:45 to 04:35pm. During this mentor meeting, mentor takes the feedback from the students about his academics and personality related activities and mentor conducts some personality improvement activities such as public speaking, essay writing, story-telling, giving presentations etc. Through this mentor meeting, mentor also observes progress of the mentee in technical as well as non-technical aspects such as aptitude, communication etc. and guides the mentee to improve his/her aptitude skills so that the mentees will feel confident while appearing for campus placement drive and going for higher educational qualified exams. Mentor keeps track of every mentees' activity participation in various competitions (Technical, non-technical, sports, cultural etc.) at various institutes.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2905	177	1:16

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
198	177	21	14	36

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from	Designation	Name of the award, fellowship, received from
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	state level, national level, international level		Government or recognized bodies
2019	Dr. D. B. Kshirsagar	Professor	Outstanding Engineer Award by Institution of Engineers (India), Ahmednagar Local Center
2020	Dr. M. S. Purkar	Professor	Outstanding Engineer Award by Institution of Engineers (India), Ahmednagar Local Center
2019	Dr. M. A. Jawale received University award	Professor	Best Teacher Award
2020	Mr. N. S. Patankar	Assistant Professor	Best Track Paper award
2020	Dr. V. M. Tidake	Associate Professor	Star Alumni Award by IMSCDR
2019	Dr. V. R. Malkar	Professor	Innovative teacher in Marketing Management
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year- end examination	Date of declaration of results of semester- end/ year- end examination
BE	516024610	Year	22/10/2020	11/11/2020
BE	516019110	Year	22/10/2020	11/11/2020
BE	516037210	Year	22/10/2020	11/11/2020
BE	516024510	Year	22/10/2020	11/11/2020
BE	516061210	Year	22/10/2020	11/11/2020
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
395	3560	11.09

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<https://www.sanjivanicoe.org.in/index.php/department/computer->

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
516024610	BE	Information Technology	65	64	98.46
516019110	BE	Civil	183	181	98.90
516037210	BE	Electronics and Telecommunication	119	117	98.31
516061210	BE	Mechanical	211	209	99
516024510	BE	Computer	159	157	98.74

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://www.sanjivanicoe.org.in/images/pdf/naac/NAAC_SSS_2019-2020.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Prof. K.N. Wackchoure
View File

3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	720	AICTE-RPS	10.79	4

Major Projects	720	AICTE-MODROB	20	12
Minor Projects	1080	Research Mentorship Program, Aspire, BCUD, SPPU Pune	5.7	5.7
Minor Projects	365	ASPIRE BCUD Pune	2	0.8
Industry sponsored Projects	365	Marathwada Association of Small Scale Industries (MASSIA), NIMA and GIZ Germany	7.5	7.5
Industry sponsored Projects	240	Under MASSIA, Vijay Rubber Manufacturer Pvt. Ltd., Aurangabad	0.1	0.1
Industry sponsored Projects	240	Under NIMA Amalgamated Industrial Composite Pvt. Ltd., Nashik	0.15	0
Industry sponsored Projects	365	NIMA	0.2	0
Industry sponsored Projects	4	LIC Fast Forward, LIC Super 10	0.22	0.22
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

5

3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Intellectual Property Rights (IPR)- Process and Procedure in India	Department of Civil Engineering	17/01/2020
Patenting for Innovations	Department of Mechanical Engineering	25/05/2020
HR Meet: CEO Connect and HR Conclave' programme On "Entrepreneurship, Employability And Expectations from Campuses"	Department of MBA	05/02/2020

Design Your Destiny	Department of MBA	30/01/2020
Unleash the Power Within	Department of MBA	07/10/2019
Goal Setting	Department of MBA	07/08/2019
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Multi Nozzle Pesticide Sprayer for Agriculture	1. AglaveKunal 2. BhuseSakshi	Dasualt Systems	05/02/2020	Solid works Prize, International Project competition
Patrol Fish	1. AglaveKunal 2. BhuseSakshi 3. Atharva Joshi 4. Shreyash Kulkarni	IIT-Mumbai	05/07/2020	eYantra Robotics Competition (eYRC-2019-20)
Best Teacher Award	Dr. M. A. Jawale	Savitribai Phule Pune University, Pune	10/02/2020	Professional courses
Best Track paper	Mr. N. S. Patankar	CSIR	11/03/2020	Conference
Innovative teaching in Marketing management introducing Novel methods of teaching	Dr. V. R. Malkar	NAME (NEXT Academy of Management Education)	05/11/2019	Innovative teaching in Marketing management introducing Novel methods of teaching
Outstanding Engineer	Dr. D.B.Khirsagar	The Institution of Engineers (India)	10/09/2019	Outstanding Engineer Award
A Review of car recommendation system using machine learning algorithm	Dr. K.Vengatesan	PECTEAM 2K20	20/11/2019	Best Paper Award
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Sanjivani College of Engineering, Kopargaon	Sanjivani College of Engineering, Kopargaon	MSME-Central Govt. of India.	Software development	SYAM AI ERP	19/02/2020
Sanjivani College of Engineering, Kopargaon	Sanjivani College of Engineering, Kopargaon	MSME-Central Govt. of India.	Spirutex Foods Pvt. Ltd	Spirulina Reach Healthy Chocolates	23/08/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Electronics and Telecommunication Engineering	2
Information Technology	1
Science	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	14	3.0
International	Mechanical Engineering	10	1.7
International	Electrical Engineering	4	0.1
International	Electronics and Telecommunication Engineering	13	4.2
International	Information Technology	8	1.4
International	MBA	3	1.4
International	Computer Engineering	28	1.7
National	Information Technology	1	1.7
National	MBA	5	1.2

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Civil Engineering	3
Electronics and Telecommunication Engineering	2
Information Technology	1
Computer Engineering	2
Mechanical Engineering	2
Electrical Engineering	3
MBA	1

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Castellated Beam	Published	85554	28/01/2020
Castellated Beam	Published	3	13/09/2019
Air Purifier	Published	31	02/08/2019
Support Assembly for Beam Testing	Published	31	02/08/2019
Castellated Beam	Published	27	05/07/2019
Equipment of direct central impact	Published	77285	04/07/2019
Designing a secure wireless zone using rapd method	Filed	202021001126	17/01/2020
Drainage Poison Gas Detection and Alertness Electronics	Published	201911054656	10/01/2020
A method for analyzing facial expressions of down syndrome childred using viola jone technique	Published	201941044255	29/11/2019
Intelligent Power Transmission for Electric Vehicles in Highway	Published	202041017739	29/05/2020
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Smart python coding through voice recognition	Dr. A. B. Pawar	International Journal of Innovative Technology and Exploring Engineering	2019	0.6	Sanjivani College of Engineering, Kopargaon	0
Financial Performance of Cooperative Banks: Correlation and ANOVA Approach.	Dr. V. M. Tidake, Dr. A. R. Jaswal	Journal of Computational and Theoretical Nanoscience	2019	0.7	Sanjivani College of Engineering, Kopargaon	0

Does a Retailer Service Influence more on Buying Decisions of Decorative Paint ?	Dr. V.R. Malkar, Dr. M.S. Bhayani	International Journal on Emerging Technologies, 11(3): 654-658. (Scopus Indexed Journal)	2020	3.1	Sanjivani College of Engineering, Kopergaon	0
Modelling and Design of Five Parameter Single Diode Photovoltaic Model with Artificial Intelligence MPPT Power System	A. Chandramouli, V. Sivachidambaranathan, R.Arulmurugan	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-2S8,	2019	0	Sanjivani College of Engineering, Kopergaon	0
Study of Hybrid Wind-Solar Green Energy System	Manik T. Shinde, R. Arulmurugan, Sachin V. Chaudhari, Prashant V. Thokatl	Test Engineering and Management Journal The Mattingley Publishing Co., Inc March - April 2020 ISSN: 0193-4120 Page No. 2037 - 2042	2020	0	Sanjivani College of Engineering, Kopergaon	0
Hybrid Peddle and Solar Electric Vehicle for Physically Challenged People	Prashant V. Thoka R .Arulmuruga Manik T. Shinde, ,Sachin V. Chaudhari	Test Engineering and Management Journal The Mattingley Publishing Co., Inc March - April 2020 ISSN: 0193-4120 Page No. 2037 - 2042	2020	0	Sanjivani College of Engineering, Kopergaon	0

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Analytical solutions for the flexure analysis of advanced composite arches	Sayyad A. S.	International Journal of Bridge Engineering	2020	20	0	SRES's Sanjivani College of Engineering Kopargaon
Bending, buckling and free vibration analysis of size dependent nanoscale FG beams using refined models and Eringen's nonlocal theory	Sayyad A. S.	International J of Applied Mechanics	2020	20	1	SRES's Sanjivani College of Engineering Kopargaon
Analysis of laminated plates subjected to mechanical and hygrothermal environmental loads using fifth-order shear and normal deformation theory	Naik N. S.	International J of Applied Mechanics	2020	5	2	SRES's Sanjivani College of Engineering Kopargaon
Analysis of laminated and sandwich spherical shells using new higher-order theory	Shinde B. M.	Advances in Aircraft and Spacecraft Science	2020	6	0	SRES's Sanjivani College of Engineering Kopargaon

Analysis of functionally graded plates resting on elastic foundation and subjected to non-linear hygro-thermo-mechanical loading	Ghumare S. M.	JMST Advances	2020	4	0	SRES's Sanjivani College of Engineering Kopargaon
Investigation of crack in beams using anti-resonance technique and FEA approach	Dr. A.G.Thakur Mr V.P. Bhaurkar	Journal of Engineering, Design and Technology	2019	6	1	SRES Sanjivani College of Engineering, Kopargaon

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	11	168	9	28
Presented papers	17	11	0	0
Resource persons	2	12	7	2

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Dr. M. S. Purkar Civil Engineering	Soil Testing	MJP Sangamner, Shirdi Airport, Bhanu Construction, Nyati Engineers Const. Pvt. Ltd, Pune	97350
Dr. M. S. Purkar Civil Engineering	Testing of Construction Materials	MJP Sangamner, Shirdi Airport, Bhanu Construction, Nyati Engineers Const. Pvt. Ltd, Pune	960764
Dr. C. L. Jejurkar	Pipeline Surveying	Godavari	6000

Civil Engineering		Biorefineri (Somaiya Group) Sakarwadi. Tal.- Kopargaon	
Mechanical Engineering	Development of low cost automation for small scale industries	Marathwada Association of Small Scale Industries (MASSIA), NIMA and GIZ Germany	15000
Mechanical Engineering	Design and development of welding painting movable work station	Marathwada Association of Small Scale Industries (MASSIA), NIMA and GIZ Germany	25000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
MBA	LIC Fast Forward	LIC of India (DO Rahata Branch)	7500	43
MBA	LIC Super 10	LIC of India (DO Rahata Branch)	15000	15
Computer Engineering	SAP training	Primus Tesh Systems	600000	40
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3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Blood Donation Drive	NSS	6	101
Red Ribbon Training	NSS	2	23
Tree Plantation Drive	NSS	2	13
3rd International Yoga Day Celebration	NSS	49	5
Sanjivani Marathon	Sanjivani Foundation	7	1000
Water Conservation Through Ferro cement Technique	Civil Engineering Department in Collaboration with students chapter of	4	125

Ferrocement Society
of India

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3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Nil	Nil	Nil	0

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3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Suggested by SPPU/UGC/AICTE	NSS	Tree Plantation Drive	2	13
Suggested by SPPU/UGC/AICTE	NSS	3rd International Yoga Day Celebration	49	5
Smart India Hackathon-2020	Central Ministry Departments, State Ministry Departments etc	Problem solution activity	13	100
SWACHH BHARAT	NSS	Cleaning Godavari River side	4	40
Nirbhay Kanya Abhiyan	S. S. G. M. College, Kopargaon in Collaboration of SPPU, Pune	Women Self Defense	2	50

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Nil	0	Nil	0

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3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
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Exchange of Technology	Planning and Designing of Irrigation System for Landscaping	Aditi Irrigation technologies Pvt. Ltd. Pune	01/07/2019	30/04/2020	6
Exchange of Technology	Advance Roofing System	Lotus Infras tructure Pvt. Ltd. Pune	01/07/2019	30/04/2020	2
Internship	Winter Internship	Parc Robotics, Pune	16/12/2019	23/12/2019	5
Internship	Winter Internship	Varroc Engineering Ltd. Aurangabad	11/12/2019	09/01/2020	1
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
NHAI	06/08/2020	Internship and Consultancy	7
Xento Systems	29/06/2019	Project Certification and Placement Opportunity for BE Students	42
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
1145.39	1467.08

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Sackinfo	Fully	2.5	2015

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	49429	14179197	340	228350	49769	14407547
Reference Books	6732	9410545	27	138605	6759	9549150
e-Books	22815	820800	17000	172699	39815	993499
Journals	1342	3374237	140	327125	1482	3701362
e-Journals	0	0	1647	1910842	1647	1910842
Digital Database	28302	87800	0	0	28302	87800
CD & Video	3809	23274	26	0	3835	23274
Library Automation	1	200000	0	0	1	200000
Weeding (hard & soft)	2460	257289	488	38821	2948	296110
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
No Data Entered/Not Applicable !!!			
View File			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1067	37	1015	0	1	2	0	120	0
Added	43	0	41	0	0	2	0	0	0
Total	1110	37	1056	0	1	4	0	120	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

120 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Springer e-books database	http://link.springer.com
NPTEL Video	192.168.48.100/NPTEL

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
12	4.4	397.06	725.62

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website)

The Institute provides for adequate availability of physical infrastructure for the conduct of Academic, Sports and other Co-curricular activities, optimum utilization of academic assets like Classrooms, tutorial Rooms, Laboratories and Workshop. The college has an excellent infrastructure, stands for the best testimony of a well-established system of planning ahead and project execution with a vision and mission to sustain with world class standards. All faculty members have been provided with separate well-appointed Cabins. HODs have separate office chambers. Common rooms are available for both boys and girls. The campus is disabled friendly with lifts and ramps wherever accessible and especially abled toilets for Physically Challenged persons. Cardiac ambulance is available at college premises for emergency purposes. Institute also has an e-bus facility to offer computer literacy to the nearby villages. Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the Administrative office. Each Department has their unique Seminar hall which has 100 seating capacity is available for a smaller size gathering. An annual budget for maintenance of all Infrastructure facilities is catered to the needs of the department is taken care of at the beginning of the year. Two Cafeterias are available in the campus. Housekeeping: External House Keeping, other than the supervisors, is maintained by the outsourced contract with BVG. Maintenance of services like Electrical, W/S, A/C, Plumbing, Sewage is done by our in-house team. Furniture maintenance and renewal is done by our small team of carpenters. Adequate in-house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus to provide a pleasant learning environment. Classrooms, Staffrooms, Seminar halls and Laboratories, etc are cleaned and maintained regularly by peon of respective departments. Washrooms are well maintained. Dustbins are placed at every floor. The Green Cover of the campus is well maintained by a full-time gardener. The Entire campus maintenance is monitored through surveillance Cameras. Library is well equipped and is completely automated through OPAC with the best internet bandwidth is available which provides good internet speed. IP based access to e-publications is also available 24x7 throughout the campus. Accession to the library is permitted at the cost of the deposits as caution money. A provision of the budget for the library maintenance is made by the college management. The activities like fumigation and keeping the library clean is done frequently. Sports / Cultural Activities To promote student's interest in sports and cultural activities at institute level there are different clubs like SAAZ, S-Steppers, Photography Club, Sanjivani Cinemas, and at department level there are professional Clubs like MESA, ACES, ETESA, ITERA, CESA. Sports facilities for Football, Cricket, Volleyball, Tennis, Basketball and Baseball are available for students. A High Standard Gymkhana is available for the benefit of students. Security: A 24/7 functioning Security Guard system is available at the college premises to ensure the safety of students and staff. Security officer assigns the duty to the security guards to control and monitor the college premises.

https://www.sanjivanicoe.org.in/images/pdf/naac/Maintainance_and_utilization_of_infrastructure_facilities.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Earn and learn scheme(Supported by Institute and Savitribai Phule Pune University ,Pune)	37	487727
Financial Support from Other Sources			
a) National	Scholarship for J K Students, State Government Scholarships	2499	146910909
b)International	---NIL---	0	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
No Data Entered/Not Applicable !!!			
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Training program : (InfyTQ, PYTHON, Java, OOP, C)	66	66	0	48
2020	Industry Institute Interaction Cell	50	150	0	0
2020	Career Opportunities for Mechanical Engineers in Gulf	0	120	0	0
2020	Opportunities in Merchant Navy	0	124	0	0
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	15

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
No Data Entered/Not Applicable !!!					
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	0	0	0	0	0
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
No Data Entered/Not Applicable !!!	
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
No Data Entered/Not Applicable !!!		
View File		

5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
No Data Entered/Not Applicable !!!						
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Student Activities Council (SAC) functions at Institute level for the overall development of students including co-curricular and extra-curricular. The council is formed in the beginning of academic year through means of interviews from aspiring students. The formation of the council is governed by the guidelines of the affiliating University. The body thus formed comprises

various posts like General Secretary, Cultural Secretary, Magazine Secretary, NSS Secretary, Sport Secretary and Ladies Representatives. Once the council is formed, it finalizes various activities to be conducted for the entire Academic year. Budgetary requirements for the same are worked out and it gets approved from the management. To name a few such events Teachers Day celebration, Music Night, Dance Night, Sanjivani Got Talent etc. Most of such programmes organized as part of the Annual Social Gathering are meant for enhancing the cultural talent of the students. Apart from in-house programmes, the SAC encourages and supports the students to participate in similar events organized at other colleges. The activities of SAC are audited under ISO 9001:2015 standards.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Sanjivani Alumni association is working for reaching out to all (UG/PG) graduated students from Sanjivani Group of Institutions. Alumni association is registered under the department of Public Trust of Government of Maharashtra with registration No. MAH/174/02/A.Nagar dated 08/03/2003. The association has following objectives: 1. To provide the platform for the alumni for better interaction and exchange of ideas. 2. To foster closer relationship among the members of association and to promote professional interest of members of association. 3. To invite experts from various fields for conducting guest lectures, seminar, workshop, gathering etc for overall development of students. 4. To use overall expertise of the alumni for the development of society. 5. To promote idea of self-employment and entrepreneurship among the students. 6. To take assistance of alumni for arranging the campus interviews, training and placement activities for students. 7. To arise and collect funds/donations for charity and utilize them for overall development of students. 8. To help needy persons from society by extending them financial assistance or technical assistance in terms of Engineering concepts. 9. To award the eminent personality in the alumni for outstanding performance in engineering.

5.4.2 – No. of registered Alumni:

17553

5.4.3 – Alumni contribution during the year (in Rupees) :

397500

5.4.4 – Meetings/activities organized by Alumni Association :

01 (Aurangabad) 7th Feb. 2020 (Friday)

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Decentralization, a delegation of power, and Collective decision making The Institute has a perspective plan for development. It is also having well-set decision-making processes. Decisions made by Governing Body and Director who takes input from the Academic Council are disseminated through IQAC, various Deans, Academic Coordinator, and HODs. Continuous quality improvement is aimed at teaching-learning, research and development, community engagement, industry interaction, and HR management. The institutes functioning is based on the organizational chart shown below. The decision will be made by the Governing body and disseminated Director, Various Deans, HODs, and Committee in-charges. Participative Management Participative management which includes the

involvement of stakeholders is followed during the formulation of development strategies:

- The institute follows a committee system for the implementation of all its decisions and resolutions.
- The committees comprise of faculty members and students.
- Similarly, the GB and CDC have representation from faculty and other stakeholders.
- HOD takes the decisions and implements the action plan.
- The department faculties are involved in the implementation of the policies of GB.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	<ul style="list-style-type: none"> • 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.
Industry Interaction / Collaboration	<ul style="list-style-type: none"> • Initiatives such as Sanjivani thought leaders, I- Connect, Sanjivani My Story board is conducted regularly • Industry relevant programmes in association with leading industries through tie-ups(SAP course in collaboration with primus is conducted at institute for students at subsidized rates) • 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

	<p>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.</p>
<p>Human Resource Management</p>	<p>• 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 • Institute conducts recruitment as per UGC/AICTE norms. Transparency is ensured in the recruitment process.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>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</p>

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 (7) 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.

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 RD and consultancy work.

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

Teaching and Learning	<ul style="list-style-type: none"> • 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. 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. • Use of open educational resources, E-learning - resources such as NPTEL
Curriculum Development	<ul style="list-style-type: none"> • Academic council and Board of studies is formed which includes representatives from all the categories of stakeholder to design and develop curriculum. • Institute collects the feedback from all stakeholders for improvement and development of curriculum and communicates the same to University for the desired revision • 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

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Use of E-governance is there for planning and development of the institute
Administration	E- governance is widely used in carrying out administrative operations
Finance and Accounts	E-governance is in place for the finance and accounts department.
Student Admission and Support	Students section makes use of E-governance for support activities of students

Examination

Yes, E- governance is used for examination.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
No Data Entered/Not Applicable !!!				
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
No Data Entered/Not Applicable !!!						
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
No Data Entered/Not Applicable !!!				
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
178	178	145	48

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • 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 Sanjivani KarmchariPatsansta 	<ul style="list-style-type: none"> • Provident Fund as per government norms. • Immediate loans upto 3lakhs available at Tantrashikshan Sanjivani KarmchariPatsansta (TSKPAT) • Gratuity as per government norms • Group medical Insurance of each employee with a family cover of 5 members upto Rs.150000 • 0 	<ol style="list-style-type: none"> 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

(TSKPAT) • Gratuity as per government norms • Group medical Insurance of each employee with a family cover of 5 members upto Rs.150000 • 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 the staff of Sanjivani Group of Institute. • Sponsorship for STTP, FDP, Workshops MDP • Sponsorship to faculty in a faculty exchange program with University of Lethbridge Canada, Poznan University Poland, etc. • Staff Welfare fund(SWF) • Awards • Online courses fee reimbursement

tuition fees concession at Sanjivani Academy- A CBSE School, Kopargaon for children of the staff of Sanjivani Group of Institute. • Staff Welfare fund(SWF)

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

• At the beginning of every academic year, the budget is prepared by various departments and sections in the prescribed format as per the circular issued by the Principal. • Budget for the departments is prepared by concerned HODs, in consultation with the department laboratory in-charges and other faculty. • Then it is sent to the Principal. The departmental budgets are discussed by the Director at HOD's meeting and then sent to the management for approval. While preparing the institutional budget, at first, a provision is made for salaries and allowances. Next, a provision is made for administrative and maintenance expenses such as electricity, water, telephone, postage, etc. • Then, while making provisions for the departments, priorities, needs, and requirements of various committees and development / up-gradation of the department is considered. There are well-defined policies and mechanisms for implementing the budget effectively. • Then it is put up to the Governing Body for final approval. The sanctioned Budget is utilized for the proposed activities.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
No Data Entered/Not Applicable !!!		
View File		

6.4.3 – Total corpus fund generated

4229669

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO , IQAC	Yes	ISO, IQAC
Administrative	Yes	ISO , IQAC	Yes	ISO , IQAC

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

- 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 the mentorship program

6.5.3 – Development programmes for support staff (at least three)

Support Staff training Financial Assistance through TSKPT Staff Welfare fund

6.5.4 – Post Accreditation initiative(s) (mention at least three)

- Institute has gone for NBA accreditation process for various departments • Transition from ISO 9001:2000 to ISO 9001:2015 • Institute has attained the status of academic autonomy from the academic year 2019-20

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
No Data Entered/Not Applicable !!!					
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Health, Hygiene, Yoga and you	21/06/2019	21/06/2019	25	30
NSS Orientation Program : Street Play On Road Safety:	11/01/2020	11/01/2020	32	38
Swachhata Pakhwada	16/01/2020	16/01/2020	29	35

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

1. Tree Plantation Drive under ' Van Mahotsav ': The Government of India has taken the initiative of planting the 23 Crore trees under the initiative named " Van Mahotsav" which is being celebrated from 01st July to 07th July 2019. In response to the same initiative NSS team of Sanjivani Engineering College has organized tree plantation drive on 21st July 2019 at 10:00am at Sanjivani Academy back space, kopargaon. For the plantation drive total 13 students and 3 faculties were involved. The plantation count of tree is 100. Students have taken all types of tree to plant, like Chinch, Behda, Jambhul, Karanj, Kadulimb etc. 2. Energy Audit 3. Use of Solar System

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	0
Provision for lift	Yes	0
Ramp/Rails	Yes	0
Rest Rooms	Yes	0
Braille Software/facilities	No	0
Scribes for examination	No	0
Special skill development for differently abled students	No	0
Any other similar facility	Yes	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2020	3	3	11/01/2020	7	Street Play On Road Safety:	Safety	82
2020	3	3	26/01/2020	1	Shramdan at Bijotsav at Dhamori, Tal. Kopargaon, Dist. Ahmednagar	Social Work	57
2020	3	3	25/01/2020	1	Matdar Janjagruti Abhiyan	Social awareness	33

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Nil	01/06/2019	Code of conduct (handbooks) for various stakeholders is not published in year 2019-2020

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
1. International Yoga Day Celebration	01/06/2019	01/06/2019	54
2. Tree Plantation Drive under ` Van Mahotsav `:	01/07/2019	07/07/2019	34
3. Swachhata Pakhwada	16/01/2020	20/01/2020	43
4. Road Safety Week	11/01/2020	20/01/2020	60

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Tree plantation and clean environment campaign is conducted Rainwater Harvesting Use of the solar system Green audit is carried out by an external agency periodically. Energy conservation, Check damp construction, E-waste management

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

- Biodigester Biogas is eco-friendly. Biogas generation reduces soil and water pollution. Biogas generation produces organic fertilizer. Its a simple and low-cost technology that encourages a circular economy. A healthy cooking alternative for developing areas.
- Blood Donation Camp Blood Donation camp organized under the banner of N.S.S. Unit of Sanjivani College of Engineering, Kopargao. A number of students and faculties are doing participating to donate their blood to the blood bank. Mega Thalassemia, Hemoglobin Blood Group Checkup has been done through this camp.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

http://sanjivanicoe.org.in/images/pdf/naac/BestPractices_SCOE.pdf

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

1. Sanjivani Rural Education Society was established in the year 1983. The dream of the founder member was to make use of Engineering Technology, the principal instrument 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 the Socio-economic growth of rural India for global competitiveness. The institute embraces the presence on a global level. With a strong network of alumni based all over the world,

Sanjivani College of engineering is an excellent educational brand. Transforming rural masses into global competitive citizen is the philosophy of the institute. 2. To provide quality education, the institute has state of the art infrastructure, well-equipped laboratories, and Wi-Fi campus with a broadband capacity of 120 Mbps speed, and qualified experienced faculty members and staff. 3. A separate training and placement department is looking after the requirement of the industry and is continuously in an effort to arrange expert talks and training to enhance the placement. Institute has foreign collaborations with foreign universities. Foreign faculties regularly visit the institute to share their knowledge and experience, unity in diversity is celebrated in the institute. 4. A unique activity named the Mentorship program is conducted. Every student is allotted a mentor in the first-year ancient classical mantra of guru shishya is followed where the mentor will guide the mentee throughout the academic journey in the institute. To build the relationship between mentor and mentee and involve both parties meeting regularly to exchange ideas, discuss progress, and set goals for further development. 5. The institute has received many prestigious awards such as "Best college award" from Savitribai Phule Pune University in 2015, "Brand Excellence Award" from leading Newspaper Lokmat in the year 2016, Outstanding Engineering Institute West award by Karnataka leading Newspaper VIJAYAVANI in the year 2016, Magazine award continuously 4th time by Savitribai Phule Pune University, 56th all India rank in the survey of Outlook magazine in June 2016. The institute is ISO 9001-2015 Certified and received academic autonomy from University Grant Commission (UGC) from the academic year 2019-20 6. SANJIVANI MY STORYBOARD - It is an initiative where Sanjivani Alumni are invited for guest lectures, students get to hear about the struggle after college and also tips on how to make themselves ready for competition. 7. SANJIVANI I-Connect Lecture series- A series of talk is arranged, top executives are invited from the industry. 8. Sanjivani Rural education society's College of Engineering, Kopergaon has been approved as a Resource Centre for the Spoken Tutorials promoted by IIT, Bombay in association with Ministry of Human Resource Development, Govt. of India part of National Mission on Education through ICT (NMEICT). We are the first among the colleges in Maharashtra State to receive this status.

Provide the weblink of the institution

http://sanjivanicoe.org.in/images/pdf/naac/Institutional_Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

1. To offer B.Tech honours courses with different specializations. 2. Enhancement of the Consultancy services on various projects. 3. To enhance the Involvement of industry professionals. 4. To register Patents 5. Funded research projects with collaboration of government and private organizations. 6. Collaboration with reputed industries as well Small Scale Industries. 7. Tie-ups with National and International Educational Institutes. 8. Faculty Qualification Improvement 9. Enhancing Soft-skills, Aptitude Skills and Technical skills of the students 10. Improve Alumni Interaction through which students will get benefit of placement as well as knowledge will be update about working platform in industry. 11. Pre-Placement Activities: We are planning to conduct a activities for all students so that it will help them to get place in reputed company. 12. We have the plan to establish an Entrepreneur development cell (EDC) cell 13. To establish innovation, incubation, and product development cell