Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SIPNA COLLEGE OF ENGINEERING AND TECHNOLOGY, AMRAVATI**
Name of the head of the Institution	**Dr. Sanjay M. Kherde**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**0721-2522341**
Mobile no.	**7507473232**
Registered Email	**sipnaoffice@gmail.com**
Alternate Email	**principal.sipnacoet@gmail.com**
Address	**Sipna Campus, Infront of Nemani Godown, Badnera Road, Amravati**
City/Town	**Amravati**
State/UT	**Maharashtra**
Pincode	**444701**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Ajay A. Gurjar**
Phone no/Alternate Phone no.	**07212522342**
Mobile no.	**9511681053**
Registered Email	**prof_gurjar1928@rediffmail.com**
Alternate Email	**agurjar73@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	**https://sipnaengg.ac.in/wp-content/uploads/2020/09/AQAR_modified_Version_.pdf**

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Final-Calender-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.05**	**2018**	**03-Jul-2018**	**02-Jul-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**16-Dec-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

Application for NIRF	05-Oct-2019 1	23
ISO 14001: 2015 Certification for Environmental management System Renewal	05-Oct-2019 1	23
Collection of Students Feedback	27-Feb-2020 3	2252
Collection of Students Feedback	20-Nov-2019 3	2252
Collection of Students Feedback	16-Sep-2019 3	2252
Collection of Parents Feedback	14-Mar-2020 1	72
IQAC Meeting No 4	16-Mar-2020 1	21
IQAC Meeting No 3	04-Jan-2020 1	23
IQAC Meeting No 2	05-Oct-2019 1	23
IQAC Meeting No 1	01-Jul-2019 1	22
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8. Provide the list of funds 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
Institution	State Government Scholarship	Government	2020 1	54436894
[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 :	**4**
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)

1.Research projects proposals submitted to AICTE. 2. Career Guidance and Placement Cell strengthened. 3.Seminars, conferences and invited talks arranged for students Faculty member,Conduction of Faculty development programme. 4.Governing council meeting held on a regular basis with members of the committee as a part of Academic Review activity. 5.Internal IQAC Academic Audit.

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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
With the objective of Assurance of Quality and Relevance of Education, especially of the programs in professional and technical disciplines, i.e., Engineering and Technology, the IQAC decided to apply for NBA. In view of this SAR of NBA was submitted on 5th May for three eligible Programmes: Electronics Telecomm., Computer Science Engineering and Information Technology.	Accreditation is granted to the institute for 3 years for CSE, EXTC and IT on 23rd November 2019.
Follow up of application related to 12(B) to UGC, New Delhi	On 10th June 2020 Institute has been included in the list of colleges prepared under Section 12(B) of UGC Act ,1956. College became eligible to receive Central Assistance under Section 12(B) of UGC Act ,1956.
Recognition of PhD research lab in Mechanical Engineering & Mathematics and increase in intake of Computer, IT & Electronics Research Lab.	Research Centre recognition Committee visited the institute on 17th October 2019 and a PhD research lab in Mechanical Engineering & Mathematics got recognition. Again, intake of Computer, IT & Electronics Research Lab increase from 15 to 20,10 to 12 and 15 to 26, respectively.
Faculties motivated to submit project proposal for research grant	4 STTPs, 2 RPs, 2 MODROBs, 2 FDP, 1 Skill and Personality Development Centre proposals were sent to AICTE under AQIS 201920. One STTP is sanctioned by AICTE.
Academic Support and Guidance for Students.	Seminars, conferences and invited talks arranged for students.
Feedback Analysis	Improvement in teaching and Learning.

Monthly Syllabus Review	Syllabus completion in stipulated time.
Energize the activities of all the clubs and forums in the college.	All the clubs are conducting events periodically.
Initiate social responsibility activity	Programme conducted by NSS
Conduct IQAC Internal Academic Audit	Conducted for all the departments
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	13-Sep-2019
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2020
Date of Submission	17-Jan-2020
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	College has developed its own ERP/College Management system (MIS) through which all organizational activities are conducted. Currently the admission process is executed through ERP. MIS contains following currently operational modules: 1. Students Admission form 2. Provisional Registration 3. University Examination Result 4. Employees Data 5. Leaving Certificate 6. Employees Posting 7. Admission Register Report 8. Branch wise Registration Report 9. Branch Change Report 10. University Enrolment Report 11. Practical Roll List of Students 12. Students Attendance Report

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

The institution properly & correctly develops and deploys the action plan for

effective implementation of the curriculum. Development of action plan for effective implementation of curriculum • Dean academics of the institution systematically develop action plans for effective implementation of the curriculum considering the SGBAU academic calendar, Institute Policies and administrative decisions. Faculty is encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits. • Along with the university curriculum, Dean (Student Affairs) also plans meticulously for various activities throughout the semester to achieve the overall development of students. Deployment of action plan for effective implementation of curriculum Teaching Learning Practices: The overall Teaching Learning Practices in all the departments has been outlined below. • Academic calendar is prepared well before the commencement of every semester of academic year by Dean Academics. This calendar consists of plan for conducting commencement of classes, sessional exams & results, Submissions & viva, holidays etc. • HOD allots academic workload in consultation with the Faculty, Dean Academics and Principal. Few faculties are also allocated to other departments to take specific subjects. • Class timetables are prepared and displayed before commencement of semester. Individual faculty timetables, classroom utilization timetables and laboratory utilization timetables are also prepared. • Every faculty prepares the course file, teaching plan and gets it approved from HOD before the commencement of the semester. • Attendance of the students during Theory (TH) and Practical (PR) sessions is recorded by respective subject faculty members. • Teaching and learning is carried out by all faculties with the help of chalk and board and other teaching aids like LCD projector, AV room. All HODs make sure about conduction of every class and practical sessions of the department as per scheduled timetable. • Department academic progress is reviewed by HOD, Dean Academics and Principal time to time. • Process of review of students' attendance and reporting the defaulters to respective parents is carried out to maintain the discipline of continuous evaluation. • Learning beyond syllabus is achieved by arranging guest lectures by Dean Student Affairs. The industry persons are invited in all the departments to give awareness of new technologies in the field. These interactions also helps to guide the students while selecting their projects in final year and talks about future scope of the respective discipline. • Conduction of STP (Student Training Program) modules in every semester gives awareness of corporate culture and inculcates skills among the students that are needed to make them compatible to the corporate world.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
NILL	NILL	Nil	00	NILL	NILL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NILL	Nill
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System

BE	Computer Science and Engineering	10/06/2019
BE	Information Technology	10/06/2019
BE	Electronics and Telecommunication Engineering	10/06/2019
BE	Civil Engineering	10/06/2019
BE	Mechanical Engineering	10/06/2019
ME	Computer Science and Engineering	13/08/2019
ME	Computer Engineering	13/08/2019
ME	Information Technology	13/08/2019
ME	Electronics and Telecommunication Engineering	13/08/2019
ME	Digital Electronics	13/08/2019
MBA	Marketing, Finance, Production and Operation, Human Resource Management	10/06/2019

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	0	0

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
NISM-Series I : Currency Derivatives Certification Examination	16/07/2019	2
NISM-Series VIII :Equity Derivatives Certification Examination	11/01/2020	2
French Class Module 1 (for all Engineering and MBA II Year Students)	07/05/2020	50
French Class Module 1 (for MBA I Year Students)	09/06/2020	34
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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	Computer Science and Engineering	49
BE	Information Technology	38
BE	Electronics and Telecommunication	7

	Engineering	
BE	Mechanical Engineering	15
MBA	Marketing, Finance, Production and Operation, Human Resource Management	10

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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

Summarized Reports of the Alumina 1. Recent requirements of the employers vary to a great extent than the syllabus designed by the Universities. 2. There should be some linkage between the educational institutions and the industries through industry-institute interaction for syllabus designing. 3. The universities must take into consideration the recent trends and requirements prior to deciding the course contents for the technical education. Summarized Reports of the Students 1. Contemporary technical skills/knowledge should be imparted in the institute to meet the requirements of the industries. 2. Students should be refined as per contemporary requirements to cope up with the latest industry needs. 3. Syllabus should be industry friendly. Summarized Reports of the Teachers 1. The institute is affiliated to SGBAU and follows the prescribed curriculum. Still feedback regarding curriculum is taken by the respective subject teachers regarding suggestions on improvement of the syllabus. 2. SGB Amravati University organizes workshops time to time on improvement of the syllabus if any, and then our faculty members are participating in the same to give curriculum feedback. 3. Similarly, suggestions are submitted to the BoS (Board of Studies) Committee. Summarized Reports of Parents 1. Conduction of curricular and co-curricular activities is excellent. Curriculum helps in developing personality of students. Teaching faculties are well qualified and experienced. 2. Teaching – Learning process is excellent. Depth of curriculum is getting covered and is career oriented which enhances employability. 3. Students are getting adequate knowledge from the curriculum. Also it helps in enhancing intellectual aptitude. Summarized Reports of the Employers 1. Curriculum is relevant for employability and job placement. 2. Adequate flexibility available in the choice of subjects to the students. 3. Curriculum is somewhat relevant for the solution of local problems. Actions taken: 1. Feedback collected is analyzed and summarized reports pertaining to syllabus were forwarded to the University through the college representatives (Syllabus Restructuring Committee Members) involved in the syllabus framing. 2. The suggestions from the alumina were discussed at length in the Board of Studies meeting convened for framing of syllabus. Emphasis by the college representatives was given on the suggestions so as to enable the students of the region to withstand in the cut-throat competition. 3. With reference to the discussion certain amendments were made in the syllabus by the University.

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
ME	Information Technology	18	4	4
ME	Computer Engineering	18	0	0
ME	Computer Science & Engineering	24	5	5
ME	Digital Electronics	18	4	4
ME	Electronics and Telecommuni cation	18	10	10
BE	Electronics and Telecommuni cation	126	72	72
BE	Computer Science & Engineering	189	191	191
BE	Information Technology	126	113	113
BE	Mechanical	63	28	28
BE	Civil	63	51	51

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2097	155	114	22	136

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	Numberof smart classrooms	E-resources and techniques used
136	136	8	42	42	7

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)

Teacher Guardian Scheme Institute is having Teacher Guardian Scheme, where students from each class are divided into groups and each group is provided with faculty called Mentor for individual attention. Such student group remains under the same faculty all through the four years till the students get graduated employed. By taking periodic meetings between students mentor, this scheme also helps to understand and identify the area of interest of the students and to find out their problems at personnel professional level to develop themselves and expanding their horizons at global level. The Objectives are: • To motivate the students for better Academic Performance. • To motivate the students for Professional Excellence. • To motivate the students for Higher Studies and Research. • To motivate the students for successfully getting Professional Employment. • To motivate the students for at least one Extra Curricular Activity. • To solve all types of problems faced by the student. In the teacher guardian scheme, Teacher Guardian records the Personal Information of students in Sheet A and the Academic Performance of students in Sheet B. He/she also maintains the Academic Record of past Semesters. He periodically analyses the strengths and weaknesses of the students and help them to set the targets for next Semester and guides them for achieving the set targets. Teacher Guardian also helps the student to choose his/her area of interest other than studies and conduct regular meetings with students to know the problems faced by the student in and outside the campus and solves these problems by counselling.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2252	136	1:17

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
136	136	0	0	43

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 state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Mr. Sumit S. Kalmegh	Assistant Professor	"Best Paper Award" in International Conference on INDUSTRY 4.0 Innovations in Engineering, Technology Management
2019	Mr. A. V. Zade	Assistant Professor	"Best Researcher" by the ESN Research Group, Chennai
2019	Mr. A. V. Zade	Assistant Professor	AVISHKAR-2019 II-Prize-Color Coat Holder (Sant Gadge Baba Amravati University, Amravati)
2020	Mr. A. V. Zade	Assistant Professor	Recognition as Judge for the 9th State Level Technical Inspire

			Science Exhibition, by State Government of Maharashtra.
2020	Dr. Parag A. Gadve	Assistant Professor	2nd Rank, in PPT Competition for Teachers- 2020 organized by Dept. of Lifelong Learning Extension, SGBAU Amravati, in collaboration with Loknayak Bapuji Aney Mahila Mahavidyalaya, Yavatmal.
2019	Mr. A. H. Kadu	Assistant Professor	Appointed as a Member on selection committee by Board of Sports Physical Education of Sant Gadge Baba Amravati University, Amravati for Kabaddi (Men Women) 2019-20
2019	Dr. S. M. Kherde	Principal	Co-opted in Mechanical Engineering Board of Studies under Faculty of Science Technology at Sant Gadge Baba Amravati University, Amravati under the provision of Maharashtra Public Universities Act 2016
2019	Dr. N. V. Shirbhate	Associate Professor	Co-opted in Humanities Applied Sciences, General Engineering Board of Studies under Faculty of Science Technology at Sant Gadge Baba Amravati University, Amravati under the provision of Maharashtra Public Universities Act 2016
2019	Dr.Vijaya K. Shandilya	Professor	Co-opted in Information Technology Board of Studies under

				Faculty of Science Technology at Sant Gadge Baba Amravati University, Amravati under the provision of Maharashtra Public Universities Act 2016

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
MBA	86	Even Semester	02/11/2020	23/11/2020
ME	139	Even Semester	26/12/2020	31/12/2020
BE	138	Even Semester	28/10/2020	09/11/2020
MBA	86	Odd Semester	24/01/2020	05/02/2020
ME	139	Odd semester	31/12/2019	03/02/2020
BE	138	Odd Semester	04/01/2020	30/01/2020

2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

Evaluation process is a two-tier system 1.Institute defined and 2. University defined. Institute level: • Sessional examinations are conducted twice a semester • To make the first-year students familiar with university examination pattern a preuniversity test is conducted. • Evaluation of practical is done in the succeeding turn of laboratory work. • Evaluation of subject assignments is done. • Institute conducts open book test and online test on MOODLE. • Re-Sessional is conducted for the absent students or students securing less marks. Weak students are continuously monitored by the guardian teacher. University level: • Paper setting conduct of examination, evaluation and declaration of results is done by SGBAU Amravati University. • In case of grievances related to university question papers the same is communicated to university through the controller of examination within stipulated time. • After declaration results by the University, students can apply for either photocopy of answer sheets, which are provided by the University on payment of fees or directly for reassessment. • Student having grievance after receiving photocopy of answer sheet, can apply for revaluation to the University.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

• The institute adheres to the Academic Calendar prepared according to the calendar provided by SGBAU University. • Every Semester , an academic calendar is prepared and followed for conduct of examination and other activities. • The academic calendar is displayed on the Notice Board and shared with the Head of the departments to ensure proper execution. • The academic calendar incorporating instruction days, events, schedule of sessional examination etc. is planned well in advance and communicated to the students in the beginning of

the semester. • Head of the Department with the help of load distribution committee distributes the workload, after which the timetable is prepared by timetable in charge in consultation with other departments. • The Teaching plan, indicating the topics covered lecture wise, addon topic, topics beyond syllabus for each subject is prepared by the faculty before the commencement of the semester and it is duly approved after careful examination by the Head of the Department. • Faculty members update their existing course files which consist of teaching plan, content analysis, subject history previous years question papers, list of reference books, continuous evaluation sheets and notes. • Unit wise question bank as per the university pattern is prepared by the faculty and is made available to the students before the commencement of Sessional exams. • Evaluated answer sheets are distributed in the class and an opportunity is given to the students to discuss the evaluation with the teacher and mistakes if any is rectified on the spot by the teacher. • Resessional is conducted for the absent students or students securing less marks during sessional. • Monthly Attendance is monitored and students with poor attendance are communicated accordingly. • Records of lectures delivered as per the timetable are maintained and verified by the class teacher and Head of Department. • Revision and remedial classes are conducted towards the end of the course • Submission is done in the allotted time and term work marks are evaluated based on continuous assessment. • Examinations are conducted as per University rules and regulations. • Result analysis is carried out after declaration of the University result.

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://sipnaengg.ac.in/wp-content/uploads/2019/11/PEOPOPSOAll-Brabches.pdf

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
138	BE	Computer Science & Engineering	201	201	100
138	BE	Electronics & Telecommunication	128	128	100
138	BE	Information Technology	110	110	100
138	BE	Civil	63	63	100
138	BE	Mechanical	63	63	100
139	ME	Digital Electronics	3	1	33.33
139	ME	Electronics& Telecommunication	3	2	66.67
139	ME	Computer	8	3	37.5

| 139 | ME | Computer Engineering | 2 | 1 | 50 |
| 139 | ME | Information Technology | 4 | 2 | 150 |

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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)

<div align="center">https://sipnaengg.ac.in/wp-content/uploads/2020/10/Student-Satisfaction-Survey2019-20.pdf</div>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – 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
Nill	00	NILL	0	0

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3.2 – Innovation Ecosystem

3.2.1 – 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
STEP UP YOUR CAREER:An interaction session with experts from Japan	Computer Science and Engineering	22/08/2019
Seminar on "Big Data Analytics and Data science"	Computer Science and Engineering	20/09/2019
Seminar on Current Trends in IT Industry	Computer Science and Engineering	09/01/2020
Seminar on "Internet of Things- An Emerging Technology"	Computer Science and Engineering	01/02/2020
One Day Skill Improvement Program by Ultratech Cement	Civil Engineering	26/08/2019
Water Resources Engineering in Theory and in Field	Civil Engineering	27/09/2019
CAD, STAAD-Pro and recent trends in Civil Engieering software industry	Civil Engineering	16/01/2020
Technical Lecture on "Static Determinacy -	Civil Engineering	25/01/2020

Theory of Structures			
Seminar on "Role of Electronics Engineers in Automation Industry" by Mr. Anant Chandle Vertrauen Engineers Pvt. Ltd., Pune.	Electronics and Telecommunication Engg	23/06/2019	
One day workshop on "Arduino Sensor Interfacing " by Mr. Mangesh Bharati Director, MDB Electrosoft Pvt. Ltd., Amravati	Electronics and Telecommunication Engg	29/08/2019	
Webinar on "CAD-CAM CNC Programming	Mechanical Engineering	27/06/2020	

3.2.2 – 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
Innovative, Low Cost and Sustainable Technologies for Rural Development	Mr. Aditya Tale	College of Engineering, Akola	20/11/2019	National Level Science Exhibition
Swarm Intelligent Optimization Routing Protocol for Wirless Network	Mr. A.V. Zade	Mumbai University,Mumbai	15/01/2020	State-Level Students Research Convention "AVISHKAR-2019"
Swarm Intelligent Optimization Routing Protocol for Wirless Network	Mr. A.V. Zade	SGBAU, Amravati University	26/12/2019	Awarded with the Second Prize in Intra-University Students Research Convention "AVISHKAR-2019"under the Engineering Technology category
Wireless Networking	Mr. A.V. Zade	ESN Research Group, Chennai	28/10/2019	Awarded "Best Researcher"
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
NILL	NILL	NILL	Trioclust	Software Company	02/07/2019
NILL	NILL	NILL	Famian	Publishing House	31/05/2019

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
00	00	00

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

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

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Electronics and Telecommunication	15	5.56
National	Computer Science and Engineering	13	5.63
International	Computer Science and Engineering	20	5.99
International	Information Technology	28	5.63
International	Civil Engineering	2	6.46
International	Mechanical Engineering	14	5.6

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

Department	Number of Publication
Computer Science Engineering	8
Information Technology	14
Electronics Telecommunication	7
Mechanical Engineering	9

3.3.5 – 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
File Uploaded	File Uploaded	File Uploaded	2020	Nill	File Uploaded	Nill
File Uploaded	File Uploaded	File Uploaded	2019	Nill	File Uploaded	Nill

3.3.6 – 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
File Uploaded	File Uploaded	File Uploaded	2019	Nill	Nill	File Uploaded
File Uploaded	File Uploaded	File Uploaded	2020	Nill	Nill	File Uploaded

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	32	35	35	30
Presented papers	3	2	2	0
Resource persons	3	5	5	5

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3.4 – Extension Activities

3.4.1 – 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
Voter Awareness Camp	Sub-Divisional Officer , BhatkuliTahashil, Amravati	2	200
Blood Donation Camp	Dr.Panjabrao Medical College, Amravati	2	250
Road Safety Camp	Regional Transport Officer , Amravati	2	200
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3.4.2 – 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
P.P.Malhotra National Award for Best Oranization	National	IETE, New Delhi	2252
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3.4.3 – 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 activites	Number of students participated in such activites
NSS	Government Civil Hospital Amravati	AIDS Awareness Day	2	100
NSS	Women Grievance's committee	Mahila Divas	2	200
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Design of Industrial Application using CAN Protocol	3	Sipna College of Engineering Technology, Amravati	365
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3.5.2 – 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
Training	Internship	JK InovativePvt,Ltd, Amravati	12/07/2019	20/10/2019	16
Training	Internship	Obdurate Tech, Amravati	07/06/2019	20/07/2019	35
Training	Internship	Azure Skynet, Gurgaon	07/06/2019	06/07/2019	10
Training	Internship	Girl Script, Pune	05/07/2019	04/10/2019	1
Sharing of Research Facility	Industrial Visit	ThinkNextTechnology, Chandigarh	22/12/2019	22/12/2019	46
Sharing of Research Facility	Industrial Visit	Altrus Technology, Chandigarh	22/12/2019	22/12/2019	46
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Arceus	01/04/2019	online Exam Conduction	136
Amravati Metal Works	09/01/2019	Training Visit	81
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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
191.5	188.37

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
No file uploaded.	

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
SOUL 2.0	Fully	LAN	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	43449	16746000	670	389000	44119	17135000
Reference Books	6884	0	125	0	7009	0
e-Books	1068	0	453	0	1521	0

Journals	**100**	**281000**	**89**	**285000**	**189**	**566000**
e-Journals	**425**	**1182000**	**275**	**624000**	**700**	**1806000**
Weeding (hard & soft)	**77**	**103000**	**0**	**0**	**77**	**103000**
CD & Video	**835**	**0**	**265**	**0**	**1100**	**0**
Library Automation	**1**	**27500**	**0**	**0**	**1**	**27500**

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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
NILLL	**NILL**	**NILL**	**Nill**

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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	**1073**	**25**	**2**	**1**	**1**	**1**	**9**	**70**	**0**
Added	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Total	**1073**	**25**	**2**	**1**	**1**	**1**	**9**	**70**	**0**

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

70 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
Open Braodcaster Studio	https://sipnaengg.ac.in/econdev/

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 incurredon maintenance of physical facilites
72.8	**65.95**	**380.2**	**336.15**

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, provide link)

WORKING PROCEDURE FOR BUILDING MAINTENANCE 1. Requirements of civil maintenance work are received from Departments. 2. Committee members visit the site personally to identify the problem. 3. Problem is discussed in committee meeting and is put forth to principal through note sheet for further action. 4. If more number of problems are reported simultaneously, work is done as per priority 5. Advanced payment is received from office as per requirement before commencement of work 6. Committee members supervise the work in progress and give suggestions if required. 7. Finally, stage wise bill is submitted to account section after completion of work. 8. Apart from this, the committee also takes into consideration any other work noted in the premises. 9. Meeting of the committee is held biannually to discuss related issues. SIPNA COLLEGE OF ENGINEERING AND TECHNILOGY, AMRAVATI Maintenance/Requirements of Computer/Building/Electrical Name of Department:_____ Complaint/Requirement:_____ Details:_____ _____ _____ Location of Complaint: _____ Name of Staff:_____ Received Signature Date_____ Signature of Head of Department WORKING PROCEDURE FOR IT INFRASTRUCTURE MAINTENANCE 1. IT/Computer related Maintenance/Requirement is raised by department in a specific format duly signed by Head of the Department 2. After receiving the requirement at Computer Science Engineering Department, an in-charge assign the work to a technical staff. 3. The Technical staff then goes to a location, analyses the problem, repairs it if possible or inform back to an in-charge if any hardware replacement is required. 4. In case of hardware replacement, the HOD initiates a requirement as per the suggestions given by the IT in-charge. IT In-charge then places his remark on the requirement and Supply order is placed by the department. 5. After receiving hardware components, technical staff fixes the problem and maintenance activity is closed. 6. Department carries out regular network audit to identify the issues in the existing network and computer systems. The last audit was made on 8th Sept. 2017. This audit was carried out by TCS iON team as they regularly conduct online examination in the institute on holidays at different locations. 7. Based on the suggestions given by auditor, department takes necessary actions to upgrade the IT Infrastructure. SIPNA COLLEGE OF ENGINEERING AND TECHNILOGY, AMRAVATI Maintenance/Requirements of Computer/Building/Electrical Name of Department:_____ Complaint/Requirement:_____ Details:_____ _____ _____ Location of Complaint: _____ Name of Staff:_____ Received Signature Date_____ Signature of Head of Department

https://www.sipnaengg.ac.in/wp-content/uploads/2019/09/Working_Procedure.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	Sipna COET Merit Scholarship	118	1770000
Financial Support			

from Other Sources			
a) National	Leela Poonawala Foundation	28	1265000
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
Soft skill Development	10/06/2019	1723	Face Carrer Education Pvt Ltd,AICTE,Face Carrer Education Pvt Ltd
Remedial Coaching	10/06/2019	338	Respective subject incharge
Language Lab	10/06/2019	2252	Institute faculty I/C
Bridge Courses	10/06/2019	1230	ThinkNEXt technologies Pvt Ltd,Altruist Technologies Pvt Ltd,Jay bee transformer, panchkula. Microtek inverter, Chandigarh, Ad hydro plant MAnali., Uday Industries, Amritsar., JMD Ha
Yoga	21/06/2019	138	NSS CAMP
Meditation	21/06/2019	108	Brahamakumari Pratibha Brahamakumari Vinodbhai
Personal Counselling	10/06/2019	2252	All faculty Members
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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 passedin the comp. exam	Number of studentsp placed
2020	WorkShops, Seminar,Guest Lectures	3231	8126	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
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
TCS,TCS CODE VITA CONSMART DATA,TEST,KARVY DIGIKONNECT POOL CAMPUS DRIVE,GOLDMAN SACHS,GLOBAL LOGIC,WIPRO, PARAMATRIX,COLLABERA,Tudip etc	284	162	Accenture, IBM,Amazon,TCS,Perficient Pvt. Ltd. Capgemini, Mindtree etc.	274	40
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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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.E.	IT	UID Ahemadabad	Masters in Designing
2019	1	B.E.	ENTC	PRMIT & R Badnera, Amravati	M.E.
2019	3	B.E.	ENTC	SIPNA COET	M.E.
2019	3	B.E.	Civil Engg.	G.H.Raisoni University, Amravati	M.Tech.
2019	1	B.E.	CSE	MET, Mumbai	MBA
2019	1	B.E.	CSE	School of Engineering and Applied Sciences, Kalyan (West)	M.Tech.

2019	1	B.E.	CSE	DIMSR, Nagpur	MBA
2019	2	B.E.	CSE	GCOE,Amravati	M.Tech.
2019	1	B.E.	CSE	Rochester Institute of Technology, New York	Master of Science (MS)
2019	1	B.E.	CSE	H.V.P.M,Amravati	M.E.

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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
GATE	2
CAT	4
GRE	1
TOFEL	1
Any Other	7

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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
Face and Palm Painting on Republic Day	Intra College	60
Flash Mob in Ganapati Festival	Intra College	28
Performance of Music Dance Theatre	Intra College	45
Musical performance on Republic Day	Intra College	15
Yuvanand [Vivekanand Jayanti Festival]	Intra College	120
Annual Sports Week	Intra College	150
Annual Social Gathering (Umang)	Intra College	160
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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/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Colour Coat	National	6	2	17BE0340 16BE0380 17BE0365	Miss Rucha Deshmukh

						17BE0570 18BE0037 16BE0038 17BE0441 17BE0454	Mr. Tushar Kamble Miss Samruddhi Dahake Miss Manjiri Dhakulkar Mr. Shivam Shete Mr. Gaurav Rathod Miss Urwali Mahajan Mr. Karan Sharma

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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)

Sipna College of Engineering Technology provides Multidisciplinary Engineering and management educations systems like Computer Engg Sciences, Information Technology, Electronics and Telecommunications Engineering, Civil Engineering and Mechanical Engineering. Hence to give the undergraduate students exposure and to show their talents and skills, students Councils or Clubs are formed by each discipline. These councils are taking place under student activity organization. These councils build better relationships between the undergraduate student and faculties, administrative bodies. This council provides a platform for students to support, share and excel in potential qualities. This association includes various clubs individually by each branch. The Computer Engineering and Information Technology have formed "CSI Student Chapter" under which various activities such as guest lectures, workshops etc. for students are arranged which leads to widening of the horizons of students' personality. The discipline Electronics and Telecommunication Engineering have a council named as "IETE" conducts departmental level activities for the students. The civil engineering department has its student body as "Student Chapter – Institution of Engineers" in which guest lectures and site visits are arranged which add to practical knowledge of the students. Mechanical engineering students have established "MESA" i.e. Mechanical Engineering Students Association under which various departmental activities and days celebration are carried out. The other disciple of the organization MBA provides clubs named as "Samrviddhi – The prosperous group", "Srujana – The dexterous group", "Samanvay – The synchronous group" and "Audio Visual Club" which are run by the students, from the students and for the students. The representations of students are not only limited till their academics but also in administrative level like Cooperative Store Committee, Magazine Committee, Canteen Committee, National Service scheme and Nature's Club. All round personality include the mental, moral physical development of student this platform is given to us by N.S.S. our college has such a mixture of sports , studies , social activities such as N.S.S. which makes a Sipna student different from other college student. N.S.S. Means "National Service Scheme". It means giving service to another person who really deserves it. Under the heading of N.S.S. there are so many different activities taken in our college. Such as in each year two blood donation camp are held in our college in that camp college students, lecturers donate the blood. To make this camp successful team of expert doctors from General hospital Amravati took very much effort. Nowadays percentage of rainfall is decreasing the reason behind is cutting of

forest in earth someone says, "Save Tree Save Life". In N.S.S. tree plantation activity is done in college campus. NSS wing of the institute is doing a valuable work by aiming at nurturing social awareness among students through its various activities. Various activities conducted by NSS. Blood Donation Camps, Cleanliness Drive Camps, Rural development camps.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni association of college conducts a few activities with various committees for co –curricular and extra –curricular activities of the college. It keeps in touch with the Principal and the management of the college through correspondence and during informal visits. The management encourages and supports involvement of the Alumni in improving the effectiveness and efficiency of the institutional processes. Since the ex-students are actively involved in the society, they help the college to take initiatives in social commitments to serve the society .They help in motivating the faculty members to participate in programmes organized by the government and nongovernment organizations. They also utilize the potential of faculty members in different works of the society as per their skills and competence. Interests of stakeholders are ensured through Alumni association. Analysis of the regional, national, and global needs is made through the interactions with its members. The valuable input received about the academics and administration has been given serious considerations to help modify the existing policies. The college invites well-placed and successful alumni for guidance in skills such as personality development, guest lectures on recent trends, seminars of updating technologies and communication skills. They also elaborate about the career opportunities available in different departments. Even though the institution has structured mechanism for career guidance and placement of its students, encouragement by alumni has an appreciable impact on the students because the alumni of the institute has reached to prime managerial positions and are even leading entrepreneurs. Alumni association has been a boon to the institution because of a few extremely dedicated volunteers who have established a long-term relationship for the betterment of the institution. By general consensus, we all know that Alumni are a strong voice to foster and improvised change in day to day working of the institution and our alumni network has empowered us by extending innovative ways to bring about social, educational, professional changes. The alumni platform besides disseminating wonderful ideas also provides a platform to get connected with the institution, with the management and the students. The institution proposes to host an alumni events day every year to facilitate a reunion of all the ex-students not only to enjoy but to help upgrade the college in various fields. In the near future, we want to make the alumni association an important pillar of the institution so that it will cater to help in positive enhancement of all the stakeholders related to the institution. Our college has earned the reputation as a disciplinarian institution with transparency and governance. There are a few objectives that our alumni association hold recognizes the academic professional and other achievements of the alumni, so that the institution constitutes a suitable award for them to provide assistance to alumni with their career problems. Lastly, nurture linkages amongst themselves and encourage friendly relations.

5.4.2 – No. of enrolled Alumni:

723

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

361500

05

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)

The Principal nominates in charge for Gymkhana portfolio. Gymkhana In charge nominates the in charge for various sub-committees like Sports Games, NSS, Youth Festival, Annual Social Gathering, College Annual Magazine and asks the subcommittee in-charge to submit financial requirements for their activities for sanction. In-charge for Sports Games deputes staff members for various sports events as team managers. The team managers call for the names of the students interested in respective sport or game by circulating notices amongst the college students. The team managers make available required facilities for the respective sports type and arrange practice sessions for final selection of the teams. The team managers arrange match practice sessions for the selected team members of their respective sports events. The team managers accompany the teams during matches and look after all the necessary requirements of their team. In-charge for National Service Scheme selects a unit of 200 students from amongst the aspirant students. The unit undertakes various activities during academic year like students awareness programmes, tree plantation in the public places, road safety drives, blood donation camps, voting awareness programmes, cleanliness drives etc. The NSS unit has adopted a small village where NSS camp is arranged for 10 days and conducts various social activities during the camp. Educational material used cloths are distributed by the unit amongst the orphans at Madhan village orphanage. Annual Social Gathering is a mega event conducted every year in the college. The in-charge of Annual Social Gathering distributes responsibilities of various events to different faculty members for smooth organization. The in-charge consolidates budgets for various events from the in charge of various events. The participants are short listed from amongst the aspirants on basis of performance during practice. The practice sessions of the short-listed students are carried out by the respective event in-charge. The respective event in charge is responsible for entire arrangements of the event. One of the activities under Gymkhana is College Magazine published by the Magazine Committee, comprising of staff representatives. Editorial Board comprising of students is constituted by the staff in-charge. Articles related to various topics are compiled and edited by the editorial board under guidance of the staff in-charge. Printed magazine is submitted to the University for Annual College Magazine competition.

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	Admission of Students are carried out on merit basis as per the rules of DTE Maharashtra. The merit of the students is the only factor, which is considered for admission, thus ensuring full transparency in the admission process.
Industry Interaction / Collaboration	The Institution has signed MOUs with

	6 companies to test employability of students and MOU with College of Engineering Pune under Margdarshan Scheme of AICTE.
Library, ICT and Physical Infrastructure / Instrumentation	Library of college which holds 51128 books belonging to courses run by the college. These books comprise of text, reference and rare books, UG, PG, PhD dissertation reports. Reading-Room and Audio-visual section is available. The college has taken effort to digitalize its library. The Librarian goes through the Newspapers and collect relevant news items related to education and employment opportunity, socio cultural issues, current issues and displays Campus is Wi-Fi enabled and has 70 Mbps internet for the benefit of staff and students. Again, Institute has all infrastructure facility as per the norms of AICTE, New Delhi.
Research and Development	Research and development activities are centralized under the Dean Development planning. The staff members are motivated to publish research articles in UGC Approved Peer Reviewed Journals, SCOPUS and Science Direct Journals. The institution has Multi-Disciplinary Research Centre in which the Faculty and students are encouraged in research activities. A significant amount of budget will be allotted for research and development program for the faculties students. In addition to this institute has Recognizes Ph.D. research labs in Electronics, Computer Science, Information Technology , Mechanical Engineering and Mathematics.
Examination and Evaluation	Our college is affiliated to Sant Gadge Baba Amravati University, therefor examination is conducted by university. At end of examination evaluation is done at the Centre evaluation Centre in University. The internal assessment of student is done through Sessional Exam, Laboratory Exam, Assignments and Quiz and Group Discussion, Seminar Work Evaluation, Project Work Evaluation. The Institute conducts two Sessional Exam per semester for 30 marks. Periodical assignment and seminar by students are being taken to assess the performance. A minimum of 75 percentage of attendance is required to appear in the University Examination. Dean academics periodically reviews the examination.

Teaching and Learning	Academic calendar is prepared well before the commencement of every semester of academic year by Dean Academics. HOD allots academic workload in consultation with the faculty. Class timetables, Individual faculty timetables, and laboratory utilization timetables are prepared and displayed before commencement of semester. IQAC of college conducts regular meetings to improve the teaching and learning process. Smart classrooms have been established and ICT application are practiced in teaching. Knowledge is imparted through classroom teaching, presentations, seminars, group discussions, case study, project work, assignments, group study, experimental learning. Institute also offers provision for learning through MOODLE, webinars, NPTEL courses etc.
Curriculum Development	Dean Academics of the institution systematically develop action plans for effective implementation of the curriculum considering the SGBAU academic calendar, Institution Policies and administrative decisions. Faculties are encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits. Institute regularly organizes extension lectures which inculcates skill development, communication skill and writing ability among students. The IQAC ensure quality in curriculum development through FDP, Workshop, Internal Academic Audit, Effective Feedback System, Regular Faculty Meeting on Academic issues, Department Advisory Committee Meeting and IQAC Meeting with Industrial and Academic Experts.

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

E-governace area	Details
Planning and Development	The intuition has achieved new heights in its academic performance after NAAC peer team visited, Our Institution had earned the unique distinction of becoming NAAC accredited with Grade A and granted NBA accreditation for Electronics and Telecommunication Engg. , Computer science and Engineering and Information technology The road map for the next year includes focus on funding research

	facilities, strengthening of teaching skills, expansion of student amenities.
Administration	Simple moral accountable responsive and transparent governance is applied in administration with ITC enabled services.
Finance and Accounts	As our institution is self-financing. The finance and account are audited regularly as per the guidelines of affiliating and recognizing bodies. All are transparent.
Student Admission and Support	Right from the sale of application, registration, screening, preparation of list as per communal quota and merit are all done through ICT enabled services.
Examination	The College has the separate Exam Control Room with well-equipped ITC Tools, Separate Desktop with Internet Facility for online procedures.

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
2019	Mr.S.S Ingole	Qualitative analysis to Assess the Best Rennewable Energy Scenario for Sustainable Energy Planning. (Name of Journal- International Journal of Innovative Technology and Exploring Engineering Blue eyes Intelligence Engineering and Science Publication)	NA	3000
2019	Mr. G.D.Mandavgade	Forecast of Femur Bone Skeleton with Anatomical Parameter of Indian Population (UGC	NA	1500

Year						
2019	Mr.S.S.Jamkar	Statistical Analysis for Solving Quality Issue in Green Sand Casting. (Name of Journal-International Journal of Reasearch Culture Society)	NA			600
2019	Mr.S.S.Kalmegh	International Conference on INDUSTRY 4.0 Innovations in Engineering Technology Management	NA			4500
2019	Dr.S.V.Tambakhe	National Conference on Innovative Researchn in Science and Technology	NA			1000
2020	Dr. P. A. Tijare	NCGTSD16 Feb 2020	NA			1000
2020	Dr. G. S. Thakare	NCGTSD16 Feb 2020	NA			1000
2019	Prof. H.R.Vyawahare	IJITEE, 10 Aug 2019	NA			4000
2020	Prof. P.C.Khanzode	ICSET, 6-7 March 2020	NA			2565
2019	Prof. S. B. Rathod	CEJ, 10 Oct 2019	NA			1000
[View File](#)						

6.3.2 – Number of professional development / administrative training programmes organized by the College 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)
2020	Workshop organized on Learning French Language (Module-1)" organized	---	21/05/2020	26/05/2020	12	Nill

	by SIPNA COET, AMRAVATI					
2020	---	One Week online training program on Introduction to computer for Non-Teaching Staff Organized by department of Electronics Telecommunication Engineering,Sipna college of Engineering Technology, Amravati.	26/05/2020	30/05/2020	Nill	5
2020	A webinar on Fundamental of Phython Machine learningOrganized by department of Electronics Telecommunication Engineering,Sipna college of Engineering Technology, Amravati.	---	21/05/2020	21/05/2020	26	Nill
2019	FDP on Signal, Image Video Processing and Its applications conducted by Sipna College Of	---	09/12/2019	13/12/2019	24	Nill

	Engineering Technology Amravati					
2019	One Week STTP on Non-Destructive Testing - A Practical Approach	---	25/11/2019	30/11/2019	45	Nill
2019	R for Beginners	---	21/05/2020	26/05/2020	60	Nill
			[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
One Week Online Faculty Development Program on "Research Methodology and Tools" Organized by Department of Computer Engineering by Sandip Institute of Technology and Research Centre, Nashik	10	11/05/2020	15/05/2020	5
One Week FDP on R For Beginners organized by Dept of CSE, conducted by Sipna College Of Engineering Technology Amravati .	9	21/05/2020	26/05/2020	6
FDP onData Science conducted by Sipna College Of Engineering Technology Amravati	8	02/12/2019	07/12/2019	6

One week online Faculty Development Program on Opportunities Challenges in Electronics Allied Industries in India post COVID-19 organized by Vivekanand Education Societys Institute of Technology, Mumbai	9	25/05/2020	30/05/2020	6
One week online Faculty Development Program on "ARDUINO" organized Shri Ramdeobaba College of Engineering and Management, Nagpur ,Tutorial Project, Indian Institute of Technology, Bombay	8	20/05/2020	24/05/2020	5
Three Weeks FDP on "WhatsApp Outcome Based Education" Online conducted by D Y Patil College of Engineering, Akurdi, Pune	17	24/03/2020	14/04/2020	18
Non-Destructive Testing- A Practical Approach	5	25/11/2019	30/11/2019	5
Swayam-NPTEL approved FDP on Introduction to Research (NPTEL)	8	01/08/2019	30/10/2019	90
FDP on Signal, Image	26	09/12/2019	13/12/2019	5

Video Processing and Its applications conducted by Sipna College Of Engineering Technology Amravati				
One week FDP on Data Science, organized at Dept of IT, SIPNA College of Engineering Technology, Amravati	13	02/12/2019	07/12/2019	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
122	136	67	75

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Group Insurance scheme • Gratuity Scheme • Paper presentation in International Conferences (Abroad) – 50 percent of actual expenses including registration fee or Rs.15, 000/ whichever less is paid. • Paper presentation in International Conferences (India) 100 percent TA, 100 percent registration fee is provided (Max. Rs.5000/). • Paper presentation in National Conferences 50 percent TA, 100 percent registration fee is provided (Max. Rs.5000/). • Textbooks – The faculty who have written the textbooks (and published) are rewarded by Rs. 5,000/. • Cash reward for faculty members who got more than 95 percent result in University	• Group Insurance scheme • Gratuity Scheme •College staff Credit Coop. Society disburses loan to the staff upto Rs. 3, 50,000/ at 1 lesser interest rate than any other bank, moreover, pays 1 more interest on FDs than any other bank. • Medical Clinic is available in the Campus. Free Consultations are provided by the Medical Officers and free treatment is also given including free medicines. • Maternity/Paternity/Study/Special Leave.	• Scholarship and other financial assistance are provided for poor and meritorious students. • Value added courses are made available to students by the institution. • Indoor /outdoor games facilities are available for the students. • Library working hours are extended during exam time. • All necessary documents provided to the student to get bank loan. • Medical Clinic is available in the Campus. Free Consultations are provided by the Medical Officers and free treatment is also given including free medicines. • Free Internet facility.

examinations and by taking into consideration students' feedback. • 100 percent Registration fee contribution for membership in one professional society. •Salary advance, bank loans for health education. • College staff Credit Coop.Society disburses loan to the staff up to Rs.3, 50,000/ at 1 lesser interest rate than any other bank, moreover, pays 1 more interest on FDs than any other bank. • Medical Clinic is available in the Campus. Free Consultations are provided by the Medical Officers and free treatment is also given including free medicines. • Maternity/Paternity/Stu dy/Special Leave.		

6.4 – Financial Management and Resource Mobilization

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

Yes, both internal and external financial audits are conducted regularly . Our institution has established a schedule to conduct internal and external financial auditing system which makes it transparent in the facilitation of academic and administrative process.

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
NILL	0	NILL
No file uploaded.		

6.4.3 – Total corpus fund generated

00

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	No	COEP Pune	Yes	Constituted Committee
Administrative	No	COEP Pune	Yes	Constituted Committee

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

We do not have any Parent Teacher association. However, Institute conducts regular parent's teacher meeting to obtain their feedback for the development of the Institute. In Academic Year 2019 -20, one Parents meet was conducted in which 72 Parents were present. Again, another scheduled Parents meet was postponed due to the scenario of Covid-19.

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

1. Three days workshop on Introduction to Python for technical support staff of CSE/IT Department was conducted from 1st to 3rd October 2019. 2. Five days workshop on Basics of MS office was conducted by Mechanical Engineering Department from 14th Oct 2019 to 18th Oct 2019. 3.The Department of Electronics Telecommunication Engineering conducted a two-day workshop on "Communication skills in Workplace for Non-Teaching Staff" members of Department on 16th 17th January 2020.

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

1.With the objective of Assurance of Quality and Relevance of Education, especially of the programs in professional and technical disciplines, i.e., Engineering and Technology, the IQAC submitted the SAR of NBA of three eligible Programmes on 5th May 2019 and accreditation is granted to the institute for 3 years for Electronics Telecomm., Computer Science Engineering and Information Technology on 23rd November 2019. 2. IQAC decided to apply for the recognition of PhD research lab in Mechanical Engineering Mathematics and increase in intake of Computer, IT Electronics Research Lab and PhD research lab in Mechanical Engineering Mathematics got recognition. Again, intake of Computer, IT Electronics Research Lab increase from 15 to 20,10 to 12 and 15 to 26, respectively. 3.IQAC decide to apply for Central Assistance under Section 12(B) of UGC Act ,1956 and on 10th June 2020 Institute has been included in the list of colleges prepared under Section 12(B) of UGC Act ,1956. College became eligible to receive Central Assistance under Section 12(B) of UGC Act ,1956. 4. IQAC motivated Faculties to submit project proposal for research grant. 4 STTP, 2 RPs, 2 Moderob, 2 FDP, 1 Skill and Personality Development Centre proposals were sent to AICTE under AQIS 2019-20. One STTP is sanctioned by AICTE.

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
2019	Collection of Students Feedback	01/07/2019	16/09/2019	19/09/2019	2252
2019	Collection of Students Feedback	05/10/2019	20/11/2019	23/11/2019	2252
2020	Collection of Students Feedback	04/01/2020	27/02/2020	29/02/2020	2252

2020	Collection of Parents Feedback	04/01/2020	14/03/2020	14/03/2020	72
2019	ISO 14001: 2015 Certification for Environmental management System Renewal	05/10/2019	05/10/2019	04/01/2020	136
2019	Application for NIRF	05/10/2019	05/10/2019	31/12/2019	136
2019	Academic Administrative Audit	05/10/2019	23/12/2019	24/12/2019	136
2020	Academic Administrative Audit	16/03/2020	15/06/2020	16/06/2020	136

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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
Hemoglobin, blood group and dental checkup drive	21/09/2019	21/09/2019	30	0
A seminar on 'Health and Nutrition' by Dr. Anjali Kuthe	27/09/2019	27/09/2019	35	20
A seminar on 'Women Empowerment' by Ms. Priti Neggi	16/01/2020	16/01/2020	38	0
A seminar on 'Women's rights and PoSH Act" by Advocate Mrs. Sushama Bhat Joshi	06/03/2020	06/03/2020	34	0
A seminar on 'Women Welfare' by Indian Medical Association,	07/03/2020	07/03/2020	30	0

Amravati							

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

Percentage of power requirement of the College meet by the Renewable Energy Sources is 70.21

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	Yes	1
Physical facilities	Yes	1
Rest Rooms	Yes	1

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
2019	1	1	14/07/2019	1	Tree plantation at Om Sai Vihar colony near Rahatgaon. 40 plants are planted	Environmental Awareness	12
2019	1	1	10/07/2019	1	Tree plantation at Shashank colony near Gadgadeshwar Temple, Amravati.25 trees are planted	Environmental Awareness	10
2019	1	Nill	09/08/2019	1	Home Made Rakhi Stall	Social Awareness	20
2019	1	1	14/08/2019	1	Organ Donation Awareness By Deesha Group (Mr.	Social Awareness	39

2019	1	1	22/08/2019	1	Seminar on "STEP UP YOUR GLOBAL CARRIER" by Masahira Kaido,Kotoba Business Consulting Pvt,Ltd .Japan	Motivational	180
2019	1	1	27/08/2019	5	Eco-Friendly Ganesha –Business Management Event	Environmental Awareness	60
2019	1	1	07/09/2019	1	Flash Mob in Ganpati Festival	Social Awareness	30
2019	1	1	21/09/2019	1	Blood Group ,HB Testing , Dental Check Up Camp	Health Awareness	200
2019	1	1	27/09/2019	1	Awareness Programme on Thyroid	Health Awareness	75
2019	1	1	18/09/2019	1	Tree Plantation at Mukbadhir Bulidan Rathi School	Environmental Awareness	10

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
CODE OF CONDUCT ETHICS for various stakeholders	10/06/2019	The institution regularly prepares the hand book and distributes to all the students at the beginning of every academic year.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2019	21/06/2019	75
Tree Plantation	22/07/2019	22/07/2019	150
Kargil Vijay Divas	26/07/2019	26/07/2019	200
NSS Opening Meet	31/07/2019	31/07/2019	250
Tree Plantation	08/08/2019	08/08/2019	75
Mahila Divas	03/08/2019	03/08/2019	200
Blood Group ,HB Testing ,Dental Check Up Camp	21/09/2019	21/09/2019	200
Voter Awareness Camp	24/09/2019	24/09/2019	200
Passport and Pan Card Issuing Camp	28/09/2019	28/09/2019	250
Plastic Eradication Program	20/10/2019	20/10/2019	50
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1) Energy Conservation 2) Use of renewable energy (solar power generation) 3) Rain water harvesting 4) Efforts for carbon neutrality 5) Tree Plantation 6) Hazardous waste management

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE 1 : Entrepreneurship Development Cell (ED-Cell), Sipna College of Engineering and Technology, Amravati is functioning under Development and Planning, from 8th March 2016. Since inception, we have sign Memorandum of Understanding (MOU) with Maharashtra Centre for Entrepreneurship Development (MCED), Amravati and BLI Consultancy Pvt. Ltd Amravati. Through ED-Cell, students of Sipna Shikshan Prasarak Mandal, who want to initiate new business, launch new product, want to convert their innovative ideas into reality are getting platform in terms of necessary training, guidance, initial Research and Development Facility and Intellectual Property Right (IPR) support. Institute has installed Institution's Innovation Council (IIC), which is an initiative of Ministry of Human Resource and Development, Government of India. Through IIC, different activities are organized. Webinars on different topics by successful entrepreneurs' and experts in different domains are conducted along with planned institute level competitions. Since our institute have conducted all of the activities, specified by the IIC, MHRD, institute awarded with the 4-star certificate. It is the highest ranking received in India to any educational institutions. ED-Cell also take efforts at institute level. Cell organizes a "Entrepreneurs' Success Story - Talk Show" in which a visit to the local industries was conducted per semester. In regard to this visit to Raymond's Luxury Cotton Pvt. Ltd., Nandgaonpeth MIDC, Amravati, Siyaram's Soft Cotton Mills, Nandgaonpeth MIDC, Amravati, Jadhao Industries, Old Bypass MIDC and various other industries are visited. ED-Cell also conducted one-week awareness camps in collaboration with MITCON, Amravati, after which various small-scale

industries. Subsequently, one week exhaustive training programme was organized at the institute in which different experts from different domain are called for discussion on how to build ideas for business startups then how to build entrepreneurial skills and time management and how to manage finance are discussed on the last day, basics of intellectual property right are discussed. Students of different branches participated in the startup yatra competition organized by Government of Maharashtra. Through such motivational activities, students from different branches build their interest in business and come to ED-Cell. After this, through Ed-Cell our institute financially assist students to register their company, initiate the startup and for filing and prosecuting the Intellectual Property Rights. BEST PRACTICE 2: TEJOMAY- Solar Power Plant (190 kW) Solar is one of the easy ways to cut down electricity costs at our institutions. In India, we receive around 300 days of sunshine a year. Compared to the rest of the world, we are in the driver's seat to utilize a large portion of the sun's energy. Our institute has large number of flat roofs that generally go un-utilized by solar power plant. Placing solar panels on this vacant terrace area can turn our rooftop into a value-adding asset by (i) producing clean energy, (ii) absorbing heat to lower indoor room temperature, (iii) positively impacting our environment. To reduce electricity costs, a grid-connected system via net metering is a suitable choice. There are no batteries in this system and thus need lower maintenance. This on-grid solar power plant help us to cut about 3,00,000 rupees in electricity costs in every month The real-time solar generation is monitored by our institute using an in-built remote monitoring device. The college installed 190-kilowatt on-grid solar power system (Tejomay) that generates about 2,77,400 units of electricity every year. We have installed this plant in three stages. In first stage, in 2016, we have installed 60 kW, in 2017 we add 100 kW and in third stage we have add 30 kW solar panels, making our total generation capacity of 190 kW. This 190 kW Solar Power Plant generates 760 kWh (Units) per day. Up to August 2020 a total of 8,71,844 kWh (units) of electric energy is generated which in turn avoided the emission of around 700 Tons of CO_2 in the air which is equal to planting 50,000 of trees. Thus, we have helped in keeping the mother planet greener. Solar energy creates clean, renewable power from the sun and benefits the environment. Generating electricity with solar power instead of fossil fuels can dramatically reduce greenhouse gas emissions, particularly carbon dioxide (CO_2). Greenhouse gases, which are produced when fossil fuels are burned, lead to rising global temperatures and climate change. Climate change already contributes to serious environmental and public health issues in India, including extreme weather events, rising sea levels, and ecosystem changes. By installing solar power plant, our institutes have tried to shoulder social as well as environmental responsibility towards behavior in the community. Parents, teachers, and students are also getting encouraged to install the solar power plant at domestic level.

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

https://www.sipnaengg.ac.in/wp-content/uploads/2019/09/Best_Practices.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

The institute focuses on technical education without ignoring role of individual towards environmental conservation. The institute is not only concerned about environmental health in the campus but also about the issues related to environmental awareness and social welfare outside campus. The measures are taken for the various issues related to the environmental health. The institute is certified with the ISO 14001:2015 (Certificate No.

0305E78320). This is the only institute in the region, having certification for Environment Management System, by Otabu Certification Ltd. UK. From the inception institute has followed the policy not to cut any tree while constructing the buildings. Not only existing trees are protected but also new trees are planted in the campus and are taken care of. The institute observes all environmental days to increase awareness about the environment. The institute is the pioneer in implementing rooftop solar electricity generation unit. The college installed 190-kilowatt on-grid solar power system (Tejomay) that generates about 2,77,400 kWh/year. "No vehicle day" is observed every year in the institute, On this day students, teaching and non-teaching staff all come to college by bicycle or public transportation. Institute organizes an exhibition and sale of Clay Ganesha Idols to spread importance of having Eco friendly Ganesh idols. Guests in the institute are welcomed with green sapling instead of bouquet as a token of love and appreciation. This activity is not only appreciated by college but also by external guests. Since 2014, institute is taking continuous efforts to make people aware of damages of plastic bags by making bags out of waste papers and cloths and distribute it to medicals and other shops. Swachh Bharat Abhiyan day is also observed on 2nd October since 2014, on various locations. Institute also encourages its students to perform various street plays and flash mob as a group activity to create awareness concerned to environment. The IETE Amravati Sub Centre was established in April 2002. That time, its office was rented outside. A request was put up by the President IETE to the Chairman of Sipna Shikshan Prasarak Mandal, Amravati to give a land space on lease for constructing building for IETE Amravati Centre. It was immediately confirmed a land measuring 10,000 Sq. Feet was allotted on Lease basis.

Provide the weblink of the institution
https://www.sipnaengg.ac.in/wp-content/uploads/2019/09/Institutional_Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

• Planning to apply for accreditation for Civil, Mechanical and Management disciplines. • To strengthen the implementation of Outcome Based Education in its various aspects by streamlining its processes and by use of a suitable software • Going to apply to the University for getting Research centres in Civil Engineering, Physics and Chemistry. • To increase MOU with industries. • Strengthen of the research activities in the institute and motivate Faculty members to join more FDP/STTP and to undergo industrial training. • To encourage more faculty and staff members to register more IPR products. • To increase the number of faculty having PhD qualification. • Strengthen Industry Institute Interaction through IIICR Placement Cell. • To achieve higher placements as compared with previous year in terms of quality as well as quantity by providing good training program, monitoring and control. • Organizing International and National Conferences, Faculty Development Programmes, Workshop on Employability skills, Industrial Visit and Field Trips. • Submitting research proposals to various funding agencies. • The ED Cell of the college will be strengthened by providing some more financial assistance for nurturing budding entrepreneurs into viable Business Entrepreneurs. • Organization of Seminars/workshops on Personality Development of Non-Teaching Staff.