



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>	SIPNA COLLEGE OF ENGINEERING AND TECHNOLOGY, AMRAVATI
Name of the head of the Institution	Dr. Sanjay Madhukarrao Kherde
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	07212522341
Mobile no.	7507473232
Registered Email	sipnaoffice@gmail.com
Alternate Email	sanjaykherde@gmail.com
Address	Sipna Campus, In front of Nemani Godown, Badnera Road, Amravati
City/Town	Amravati
State/UT	Maharashtra
Pincode	444701

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Urban</b>
Financial Status	<b>private</b>
Name of the IQAC co-ordinator/Director	<b>Dr. Ajay Anil Gurjar</b>
Phone no/Alternate Phone no.	<b>07212522342</b>
Mobile no.	<b>9511681053</b>
Registered Email	<b>prof_gurjar1928@rediffmail.com</b>
Alternate Email	<b>agurjar73@gmail.com</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://sipnaengg.ac.in">https://sipnaengg.ac.in</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes, whether it is uploaded in the institutional website: Weblink :	<a href="https://www.sipnaengg.ac.in/wp-content/uploads/2019/11/Academic_calender2018-19UGPG.pdf">https://www.sipnaengg.ac.in/wp-content/uploads/2019/11/Academic_calender2018-19UGPG.pdf</a>

**5. Accrediation Details**

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>A</b>	<b>3.05</b>	<b>2018</b>	<b>03-Jul-2018</b>	<b>02-Jul-2023</b>

<b>6. Date of Establishment of IQAC</b>	<b>16-Dec-2016</b>
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**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
<b>IQAC Meeting</b>	<b>04-Jul-2018</b> <b>1</b>	<b>22</b>

IQAC Meeting	05-Oct-2018 1	21
IQAC Meeting	04-Jan-2019 1	23
IQAC Meeting	19-Apr-2019 1	22
Academic and Administrative Audit (AAA) of ISO & NAAC	21-Dec-2018 2	137
Academic and Administrative Audit (AAA) of ISO & NAAC	30-Apr-2019 2	137
Application of NBA	07-Mar-2019 1	102
Collection of Student Feedback	06-Aug-2018 1	2691
Collection of Parents Feedback	25-Aug-2018 1	63
Collection of Parents Feedback	08-Sep-2018 1	85
Collection of Parents Feedback	23-Mar-2019 1	47
IQAC Meeting	20-Jun-2018 1	15

**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
Institute	State Government Scholarship	State Government	2019 1	90012306
<a href="#">View File</a>				

**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 :**

5

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
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**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. 4. Adoption of new Organizational Structure 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
Reformation of Research promotion policy	Research committee is formed under Dean Development & Planning, and policy has been framed and implemented
Faculties motivated to submit project proposal for research grant	Three RPs, 3 Moderob, 2 AICTEISTE induction Programs and one International Conference proposals were submitted to 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
UGC and AICTE are actively encouraging colleges and Universities to adopt atleast one online course a semester for credit transfer. These courses also serve as faculty development programmes. In view of this IQAC has decided that Institute faculties should enrol for NPTEL courses in order to learn the subjects they wish to master in greater depth.	Faculty and Students were Enrolled for various NPTEL online certification courses for the span of 4 weeks, 8 weeks & 12 weeks to enhance their knowledge in the respective domain and to get themselves certified by the IIT's and IISc.In Sipna Local Chapter for the Winter-2018 Semester total Enrolment were 72 and for the Summer-2019 Semester total Enrolment were 75. Students and Faculties successfully completed the courses. Local chapter of SWAYAM-NPTEL got the active status for Jan-April 2019.
With the objective of Assurance of Quality and Relevance of Education, especially of the programs in	As per the plan of action, Prequalifier of NBA was submitted on 7th March 2019 and after getting the approval, on 5th

professional and technical disciplines, i.e., Engineering and Technology, the IQAC decided to apply for NBA. In view of this it has been planned to submit the prequalifier of NBA of three eligible Programmes: Electronics & Telecomm., Computer Science & Engineering and Information Technology.

May 2019 SAR was submitted.

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**14. Whether AQAR was placed before statutory body ?**

Yes

Name of Statutory Body	Meeting Date
College Development Committee	01-Jul-2019

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

**16. Whether institutional data submitted to AISHE:**

Yes

Year of Submission

2019

Date of Submission

27-Feb-2019

**17. Does the Institution have Management Information System ?**

Yes

If yes, give a brief description and a list of modules currently operational (maximum 500 words)

College has developed its own ERP/College Management system (MIS) through which all organisational 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. Provisional Cancellation Registration 4. Confirm Registration 5. University Examination Result 6. Employees Data 7. Leaving Certificate 8. Employees Posting 9. Admission Register Report 10. Branch wise Registration Report 11. Branch Change Report 12. University Enrolment Report 13. Practical Roll List of Students 14. 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

Development of action plan for effective implementation of curriculum 1. Dean academics of the institution systematically develop action plans for effective implementation of the curriculum considering the Sant Gadge Baba Amravati University, Amravati academic calendar, Sipna College of Engineering & Technology's policies and administrative decisions. Faculty is encouraged to impart the curriculum through innovative teaching methods such as presentations, assignments, discussions, workshops, seminars, industrial visits. 2. Along with the university curriculum, dean student affairs also plan meticulously 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 T-L-P in all the departments has been outlined as follows. 1. Academic calendar is prepared well before the commencement of every semester of academic year by Dean Academics. This calendar consists of plan of conducting commencement of classes, sessional exams & results, Submissions & viva, holidays etc. 2. 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. 3. Class timetables are prepared and displayed before commencement of semester. Individual faculty timetables, classroom utilization timetables and laboratory utilization timetables are also prepared. 4. Every faculty prepares the course file, teaching plan and gets it approved from HOD before the commencement of the semester. 5. Attendance of the students during Theory (TH) and Practical (PR) sessions is recorded by respective subject faculty members. 6. 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. 7. Department academic progress is reviewed by HOD, Dean Academics and Principal time to time. 8. Process of review of students' attendance and reporting the defaulters to respective parents is carried out to maintain the discipline of continuous evaluation. 9. 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. 10. Conduction of STTP 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
<b>No Data Entered/Not Applicable !!!</b>					

## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
<b>No Data Entered/Not Applicable !!!</b>		
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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	14/06/2018
BE	Information Technology	14/06/2018
BE	Electronics and Telecommunication Engineering	14/06/2018
BE	Civil Engineering	14/06/2018
BE	Mechanical Engineering	14/06/2018
ME	Computer Science and Engineering	16/08/2018
ME	Computer Engineering	16/08/2018
ME	Information Technology	16/08/2018
ME	Electronics and Telecommunication Engineering	16/08/2018
ME	Digital Electronics	16/08/2018

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

Certificate	Diploma Course
<b>No Data Entered/Not Applicable !!!</b>	

## 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
C2CSS1x18: Soft Skills (IIT Bombay)	06/09/2018	7
C2CWC1xA18: Workplace Communication (IITBombayX)	11/10/2018	6
C2CIT1xA18: Effective use of IT for Professional Activities (IITBombayX)	06/09/2018	7
Financial Market : A Beginners Module	09/08/2018	4
No file uploaded.		

### 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	71
BE	Information Technology	60
BE	Electronics and Telecommunication Engineering	21

BE	Mechanical Engineering	48
BE	Civil Engineering	4
MBA	Finance and Marketing	18
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	No
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)

<p>Feedback Obtained</p> <p>Summarized Reports of the Alumina Feedback 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 Feedback 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 Feedback 1.The institute is affiliated to Sant Gadge Baba Amravati University, Amravati 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 the Parents Feedback 1.The programme offered to the students is well demanding. 2.Curriculum has potential to boost students ability in communication, problem solving and creativity. 3. Project work and internships offered under the program is challenging and constructive. Actions taken: 1.Feedback collected are analysed 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 to enable the students of the region to withstand in the cutthroat competition. 3.With reference to the discussion certain amendments were made in the syllabus by the University.</p>
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## 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
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BE	Computer Science & Engineering	126	123	123
BE	Electronics & Telecommunication	126	94	94
BE	Information Technology	126	104	104
BE	Civil	63	53	53
BE	Mechanical	63	47	47
BE	Computer Science & Engineering Direct II Year	63	63	63
ME	Digital Electronics	18	5	5
ME	Electronics & Telecommunication	18	3	3
ME	Computer Science & Engineering	24	8	8
ME	Computer Engineering	18	2	2
ME	Information Technology	18	4	4
MBA	Master in Business Administration	60	60	60
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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
2018	2297	171	116	21	137

## 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
137	137	3	39	39	8

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

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.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2468	137	1:18

## 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
137	137	0	11	35

### 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
2018	Mr. Ashish A. Bardekar	Assistant Professor	Best Researcher Award, International Journal for Research under Literal access(IJRULA)
2018	Mr. Ashish A. Bardekar	Assistant Professor	Outstanding Engineer Award, International Institute of Organized Research (I2OR), Chandigarh
2018	Mr. Ashish A. Bardekar	Assistant Professor	Bright Researcher award, International Institute of Organized Research (I2OR), Chandigarh
2018	Mr. Ashish A. Bardekar	Assistant Professor	IARDO Award for Engineer of the year 2018, IARDO, Goa
2018	Mr. Ashish A. Bardekar	Assistant Professor	Best Research Scholar Award, DKIRF (DK International Research Foundation)
2018	Mr. Ashish A. Bardekar	Assistant Professor	Best Researcher National Award,

IRDP

2018	Mr. Ashish A. Bardekar	Assistant Professor	Promising Teacher Award, MT Research and Educational Services (MTRES)
2018	Mr. Ashish A. Bardekar	Assistant Professor	Outstanding Scientist Award 2018, International Research Awards in Engineering, Science Management, IOSRD
2018	Mr. Ashish A. Bardekar	Assistant Professor	Best Researcher award 2018, International Research Awards on Engineering, Science Management, IOSRD
2018	Mr.A.V.Zade	Assistant Professor	Awarded in IntraUniversity Students Research Convention "AVISHKAR2018" held at SGBAU, Amravati during 2627 December 2018 with the First Prize under the Engineering Technology category. SGBAU Amravati
2018	Mr.A.V.Zade	Assistant Professor	Appreciated in StateLevel Students Research Convention "AVISHKAR2018" held at Gondwana University, Gadchiroli, during 1518 January 2019 under the Engineering Technology category. Gondwana University, Gadchiroli
2018	Mr. Ujjwal V. Ramekar	Assistant Professor	Best Paper Award in 3rd National Conference on Recent Advances in Science and Engineering, Mauli Group of Institution's College of

			Engineering Technology, Shegaon, Maharashtra, India.
2018	Dr. Ajay A. Gurjar	Professor	Best Paper Award in 3rd National Conference on Recent Advances in Science and Engineering, Mauli Group of Institution's College of Engineering Technology, Shegaon, Maharashtra, India.
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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	138	Year	04/06/2019	08/08/2019
ME	139	Year	30/05/2019	13/08/2019
MBA	86	Year	30/05/2019	03/08/2019
<a href="#">View File</a>				

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. • In order 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 • ReSessional 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 incharge in consultation with other departments. • The Teaching plan, indicating the topics covered lecture wise, add on 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://www.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	203	152	74.88
138	BE	Electronics & Telecommunication	198	122	61.62
138	BE	Information Technology	102	60	58.82
138	BE	Civil	78	50	64.1
138	BE	Mechanical	61	31	50.82
139	ME	Digital Electronics	13	12	92.3
139	ME	Electronics & Telecommunication	4	2	50

139	ME	Computer Science & Engineering	9	5	55.55
139	ME	Computer Engineering	5	3	60
139	ME	Information Technology	7	6	85.71
86	MBA	Master in Business Administration	38	28	68.71
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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.sipnaengg.ac.in/wp-content/uploads/2019/09/Student-Satisfaction-Survey.pdf>

## 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
Any Other (Specify)	1	Sipna College of Engineering and Technology, Amravati	1	1
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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
Seminar Handson session on Website Development in one hour.	Computer Science and Engineering	26/07/2018
Seminar on "Cyber security Ethical hacking"	Computer Science and Engineering	09/01/2019
Seminar on Recent Trends in IT	Information Technology	18/07/2018
Handson Website Development	Information Technology	26/07/2018
Seminar on IoT	Information Technology	02/12/2018
Webinar on IPR by Shwetasuree Muzumdar	Electronics and Telecommunication Engineering	10/01/2019
One Day Workshop on IPR by Adv Swapnil Gawande	Electronics and Telecommunication Engineering	11/01/2019

Inaugural function of "CSI Students Branch" followed by a Seminar on "Tech Leap"	Computer Science and Engineering	09/02/2019
Workshop on "Python programming"	Computer Science and Engineering	19/03/2019

### 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
An AHBeeP swarm Intelligence Optimization approach for Emergent Routing	Mr. Amol V. Zade	AVISHKAR2018 Sant Gadge Baba Amravati University, Amravati	26/12/2018	Engineering Technology [Research Category]
Synthesis Of Indian Classical Rga Yaman Structural Influence On Human Brain Waves	Mr. A. A. Bardekar	IJRULA, Trichy	19/06/2018	Best Researcher 18
Air Quality Monitoring System	Mr. Pratik Kayate	SGBAU, Amravati	26/12/2018	UG
Air Quality Monitoring System	Mr. Shardul Jalkote	SGBAU, Amravati	26/12/2018	UG
Synthesis Of Indian Classical Rga Yaman Structural Influence On Human Brain Waves	Dr. Ajay Anil Gurjar	IJRULA, Trichy	19/06/2018	Best Researcher 18
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### 3.2.3 – 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
Sipna College on Engineering and Technology, Amravati	Sipna College	Sipna College on Engineering and Technology, Amravati	Saprahas Industries	Product Based Company, Working on I Switch	23/01/2019
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## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
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No Data Entered/Not Applicable !!!

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

Name of the Department	Number of PhD's Awarded
Department of Electronics and Telecommunication Engineering	2
Computer Science and 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	Civil Engineering	5	3
International	Computer Science and Engineering	40	3.5
International	Electronics and Telecommunication Engineering	27	5
International	Science and Humanities	4	4.5
International	Information Technology	29	6
International	Mechanical Engineering	4	3.39

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
Information Technology	2
Computer Science and Engineering	8
Civil Engineering	1
Electronics Telecommunication	2
<a href="#">View File</a>	

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
Study on indirect Tensile strength of Plastic waste bituminous concrete for road construction	Mr. Anurag Tiwari	Romanian Journal of Transport Infrastructure	2018	2	Sipna College of Engineering Technology, Amravati	1



Study on compressive strength of Plastic waste bituminous concrete for road construction	Mr. Anurag Tiwari	Nauchnotekhnicheskiy vestnik bryanskogo gosudarstvenogo universiteta	2018	2	Sipna College of Engineering Technology, Amravati	1
No file uploaded.						

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
Performance Improvement of ECommerce websites using Microservice Architecture over Monolithic Architecture	Dr. P. A. Tijare	JETIR	2019	0	0	Sipna College of Engineering and Technology, Amravati
Managing Customer Decisions with Big Data and Data Mining Techniques	Dr. P. A. Tijare	JETIR	2019	0	0	Sipna College of Engineering and Technology, Amravati
A Review On Motion Anomaly Detection In Crowd Scenario Videos Using Feature Extravtion Algorithm	Dr.A.D.Gawande	JETIR Journal Of Emerging Technology And Research	2019	0	0	Sipna College of Engineering and Technology, Amravati
Texture Image Retrieval Using A Set of Dual Tree Rotated Complex	Dr. A. P. Thakare	International journal of Engineering Science Invention( IJESI)	2019	0	0	Sipna College of Engineering and Technology, Amravati

Wavelet Filter And DualTreeComplex Wavelet Transform						
A Survey on Various Content Based Image Retrival techniques.	Dr. A. P. Thakare	International Journal of Engineering Research and Applications	2019	0	0	Sipna College of Engineering and Technology, Amravati
Divine Chanting A Stimulant To Seed Sprouting .	Dr. A. A. Gurjar	Global Journal Of Engineering Science And Researches(GJSER)	2019	0	0	Sipna College of Engineering and Technology, Amravati
Implementation of Geological Co2 Storage and Leakage detection based on IOT .	Dr. S. V. Rode	International Journal of Scientific Research and Review	2019	0	0	Sipna College of Engineering and Technology, Amravati
Agriculture Crop Yield Prediction model based on multispectral data	Dr. S. V. Rode	Journal of Emerging Technologies and Innovative Research	2019	0	0	Sipna College of Engineering and Technology, Amravati
An Intelligent controlled system for Smart Home automation	Dr. A. S. Joshi	International Research Journal of Engineering and Technology(IRJET)	2019	0	0	Sipna College of Engineering and Technology, Amravati
Stegnography scheme for outsourced biomedical time series data using an intelligent	Dr. A. S. Joshi	Journal of Emerging Technologies and Innovative Research	2019	0	0	Sipna College of Engineering and Technology, Amravati

learning						
Implementa tion of Image Processing Technique for Diagnosis of Diseases	Dr. V. T. Gaikwad	Internatio nal Journal of Scientific Research in Science and Techno logy.	2018	0	0	Sipna College of Engineerin g and Tech nology,Amr avati
Detecting Skin Disease by Accurate Skin Segme ntation using Various Color Spaces	Dr. V. T. Gaikwad	Internatio nal Journal of Engineerin g Research and Appllic ation	2018	0	0	Sipna College of Engineerin g and Tech nology,Amr avati
Review on Traffic Density Estimation using computer Vision Technique	Dr. V. T. Gaikwad	Internatio nal Journal of Scientific Research in Science and Techno logy.	2018	0	0	Sipna College of Engineerin g and Tech nology,Amr avati
A secure IOT Based Modern Healthcare System by using Body Sensor Network (BSN)	Dr. N. N. Kasat	Internatio nal Journal of creative Research Thoughts (IJCRT)	2018	0	0	Sipna College of Engineerin g and Tech nology,Amr avati
A Review on FPGABased Sedret Data Hiding in Digital Image Using Steg anography.	Dr. N. N. Kasat	Internatio nal Journal of creative Research Thoughts (IJCRT)	2019	0	0	Sipna College of Engineerin g and Tech nology,Amr avati
A Review On Smart Solutions Based Drainage, Unused well and Garbage	Dr. N. N. Kasat	Journal of Emerging T echnologie s and Innovative Research	2019	0	0	Sipna College of Engineerin g and Tech nology,Amr avati

Alerting System for Human safety.						
Recognition of Emotions from Human Speech	Dr. P.R.Gumble	International Journal of Technical Innovation In Modern Engineering Science	2018	0	0	Sipna College of Engineering and Technology, Amravati
To Detect and classify Plasmodium Parasites using Image Processing	Dr.S.S.Mun gona	International Journal of Research and Analytical Reviews (IJRAR)	2019	0	0	Sipna College of Engineering and Technology, Amravati
A Survey on detection and Classification of Plasmodium Parasites using Machine learning Technique	Dr.S.S.Mun gona	JETIR Journal Of Emerging Technology And Research	2018	0	0	Sipna College of Engineering and Technology, Amravati
Design and Implementation of low cost monitoring system using Smart Devices (Mobile or Laptop)	Dr.S.S.Mun gona	International Journal of Electronics, Communication and Soft Computing Science Engineering	2018	0	0	Sipna College of Engineering and Technology, Amravati
Diagnosis of XRay using Gabor Wavelet Transform	Dr.S.S.Mun gona	International Journal of Scientific Research in Science and Technology.	2018	0	0	Sipna College of Engineering and Technology, Amravati
Reversible Digital Audio Watermarking Scheme	Dr. A.V. Malviya	International Journal of Engineering and Appl	2018	0	0	Sipna College of Engineering and Technology, Amravati

Using Wavelet Transformation		ication				avati
A Survey On Quality Testing Of Rice Grains Using Image Processing	Dr. A.V. Malviya	JETIR Journal Of Emerging Technology And Research (Nov2018)	2018	0	0	Sipna College of Engineering and Technology, Amravati
Rice Grain Grade Classification using Image Processing	Dr. A.V. Malviya	JETIR Journal Of Emerging Technology And Research (Nov2018)	2019	0	0	Sipna College of Engineering and Technology, Amravati
Quality Testing of Rice Grains using Image Processing	Dr. A.V. Malviya	Journal of Engineering Research and Applications	2019	0	0	Sipna College of Engineering and Technology, Amravati
An analytical approach for 4Ghz Frequency simulation using frequency synthesizer	Mr U. V. Ramekar	International Journal of Electronics, Communication and Soft Computing Science Engineering	2018	0	0	Sipna College of Engineering and Technology, Amravati
Divine Chanting A Stimulant To Seed Sprouting .	Mr U. V. Ramekar	Global Journal Of Engineering Science And Researches (GJSER)	2018	0	0	Sipna College of Engineering and Technology, Amravati
A Novel Automated Blood Bank System using Arduino	Mr.V.V.Rathi	Global Journal Of Engineering Science And Researches (GJSER)	2018	0	0	Sipna College of Engineering and Technology, Amravati
Pilling Social Media Twitter data into	Mr.V.V.Rathi	IJECSCE	2018	0	0	Sipna College of Engineering and Technology, Amravati

R (CS160)						avati
Axillary Symmetric Macroscopic Body cosmological Model	Dr. M.R. Ugale	Research Journey (International E Research Journal)	2018	0	0	Sipna College of Engineering and Technology, Amravati
Conductometric and Ultrasonic Studies of Substituted Aryl Bis thiourea in binary solution at 300K temperature	Ms. S.V.Tambakhe	Global Journal of Engineering Science and Researches	2018	0	0	Sipna College of Engineering and Technology, Amravati
Education of mathematics in India and Japan at the precollege level: A comparison contrast	Dr. S.M. Borikar	International Journal of Research Review (IJRR)	2018	0	0	Sipna College of Engineering and Technology, Amravati
Education of mathematics in India and Japan at the precollege level: A comparison contrast	Mrs. S.M. Seikdar	International Journal of Research Review (IJRR)	2018	0	0	Sipna College of Engineering and Technology, Amravati
Review of automatic question and Relevant answer recommendation in health care system by using data Mining Techniques	Dr. V.S. Gulhane	International Journal of Management, Technology Engg.	2019	0	0	Sipna College of Engineering and Technology, Amravati
Machine Learning Application in the	Dr. V.S. Gulhane	International Journal Of Research	2019	0	0	Sipna College of Engineering and Tech

field of Agriculture : A Review		in Advent Technology				nology,Amravati
Security Risk Detection and Prevention in online Social Networking	Dr. V.S.Gu lhane	International Journal Of Research in Applied Science Engg. Technology	2019	0	0	Sipna College of Engineering and Technology,Amravati
Review on Implementation of Internet of Things for Water Quality Monitoring	Dr. V.S.Gu lhane	International Journal of Management ,Technology Engg.	2019	0	0	Sipna College of Engineering and Technology,Amravati
Identification of Plant Disease Using Smart Phone Application	Mr.A.B.Des hmukh	IJRASET	2019	0	0	Sipna College of Engineering and Technology,Amravati
Review of Image processing smart phone application for plant disease Diagonis	Mr.A.B.Des hmukh	International Journal of Management ,Technology Engg.	2019	0	0	Sipna College of Engineering and Technology,Amravati
Smart Alert Monitoring System	Ms.L.K.Gau tam	International Journal of Management ,Technology Engg.	2019	0	0	Sipna College of Engineering and Technology,Amravati
Review on Overhead Reduction by Spatial Reusability in Multihop Wireless Network	Ms.L.K.Gau tam	International Journal of Management ,Technology Engg.	2019	0	0	Sipna College of Engineering and Technology,Amravati
Survey on Hybrid Data Mining	Mr.H.N. Datir	Springer	2019	0	0	Sipna College of Engineering and Tech

Algorithms for Instruction Detection System						nology, Amravati
Study and Analysis of Behavior Based Threats using Hybrid Classification Model	Mr.H.N. Datir	IEEE ICRAECC 2019	2019	0	0	Sipna College of Engineering and Technology, Amravati
Review of automatic question and Relevant answer recommendation in health care system by using data Mining Techniques	Mr.H.N. Datir	International Journal of Management ,Technology Engg.	2019	0	0	Sipna College of Engineering and Technology, Amravati
Review on Overhead Reduction by Spatial Reusability in Multihop Wireless Network	Ms. V.P.Vaidya	International Journal of Management ,Technology Engg.	2019	0	0	Sipna College of Engineering and Technology, Amravati
A study on ECG Signal Analysis and ECG Database	Mr. M.D.Tambakhe	International Journal Of Research in Advent Technology	2019	0	0	Sipna College of Engineering and Technology, Amravati
Review of Image processing smart phone application for plant disease Diagonis	Mr. M.D.Tambakhe	International Journal of Management ,Technology Engg.	2019	0	0	Sipna College of Engineering and Technology, Amravati
Identification of Plant	Mr. M.D.Tambakhe	IJRASET	2019	0	0	Sipna College of Engineerin



Disease Using Smart Phone Application						g and Technology, Amravati
Machine Learning Application in the field of Agriculture : A Review	Mr. M.D.Tambakhe	International Journal Of Research in Advent Technology	2019	0	0	Sipna College of Engineering and Technology, Amravati
A study on ECG Signal Analysis and ECG Database	Mr. J.S.Karnewar	International Journal Of Research in Advent Technology	2019	0	0	Sipna College of Engineering and Technology, Amravati
Machine Learning Application in the field of Agriculture : A Review	Mr. J.S.Karnewar	International Journal Of Research in Advent Technology	2019	0	0	Sipna College of Engineering and Technology, Amravati
Security Risk Detection and Prevention in online Social Networking	Mr. J.S.Karnewar	IJRASET	2019	0	0	Sipna College of Engineering and Technology, Amravati
Improving Review Selection Using Deep Learning	Mr.T. S. Rohankar	International Journal of Management ,Technology Engg.	2018	0	0	Sipna College of Engineering and Technology, Amravati
Review on Implementation of Internet of Things for Water Quality Monitoring	Mr.T. S. Rohankar	International Journal of Management ,Technology Engg.t	2019	0	0	Sipna College of Engineering and Technology, Amravati
A review on BIIOT: Blockchain IOT	Mr.A. R. Bhuyar	International Journal for Research in Engineering Application of Management	2018	0	0	Sipna College of Engineering and Technology, Amravati

A review on BIoT: Blockchain IOT	Ms.S. Z. Khan	Inernational Journal for Research in Engineering Application of Management	2018	0	0	Sipna College of Engineering and Technology, Amravati
A review on BIoT: Blockchain IOT	Ms. S. R. Kamble	Inernational Journal for Research in Engineering Application of Management	2018	0	0	Sipna College of Engineering and Technology, Amravati
Security Model for wireless Computer in Virtual Lab	Mr.H.N.Watane	Inernational Journal of Management ,Technology Engg.	2018	0	0	Sipna College of Engineering and Technology, Amravati
Smart Alert Monitoring System for Server and Infrastructure	Mr.G.D.Govindwar	International Journal for Research in Applied Science Engineering Technology	2019	0	0	Sipna College of Engineering and Technology, Amravati
Improving Review Selection Using Deep Learning	Mr. A. R. Thakur	International Journal of Management ,Technology Engg.	2018	0	0	Sipna College of Engineering and Technology, Amravati
Implemenatation of Real Time data Transmissioin by using Mobilr Sink Node	Ms. S.P.Palaskar	Journal Of Emerging Technology and Innovative Research	2019	0	0	Sipna College of Engineering and Technology, Amravati
Machine Larning for Big Data Analytics with Blockchain Based Security	Mr.O.A.Jaisinghani	61st IETE Annual Convention 2018 on Smart Engineering for Sustainable Development (IJECSCE)	2019	0	0	Sipna College of Engineering and Technology, Amravati

Application of Hydrogen as a Supplementary Fuel in 4Stroke Internal Combustion Engine	Mr.S. S. Kalmegh	International Journal of Interdisciplinary Research and Innovations	2019	0	0	Sipna College of Engineering and Technology, Amravati
Application of Hydrogen as a Supplementary Fuel in 4Stroke Internal Combustion Engine	Mr. S. S. Jamkar	International Journal of Interdisciplinary Research and Innovations	2019	0	0	Sipna College of Engineering and Technology, Amravati
Application of Hydrogen as a Supplementary Fuel in 4Stroke Internal Combustion Engine	Dr. S. S. Ingole	International Journal of Interdisciplinary Research and Innovations	2019	0	0	Sipna College of Engineering and Technology, Amravati
Standardized Hip Implant by Cluster Analysis of Anthropometry Parameters of Femur	G. D. Mandavgade	Journal of Medical Sciences	2019	0	0	Sipna College of Engineering and Technology, Amravati
Graph Database: An Alternative for Relational Database	Ms.H.R.Vyawahare	International Journal of Computer Sciences and Engineering	2019	0	0	Sipna College of Engineering and Technology, Amravati
A Study on ECG Signal Analysis and ECG databases	Dr. V. K. Shandilya	IJRAT	2019	0	0	Sipna College of Engineering and Technology, Amravati
DigiDoc	Ms. A.P.Ghatol	International Journal of	2019	0	0	Sipna College of Engineerin

		Science Research				g and Technology, Amravati
Implementing Microservice Architecture for improving Ecommerce websites performance	Dr. P. A. Tijare	IOSRJEN	2019	0	0	Sipna College of Engineering and Technology, Amravati
Implementation of Program Slicer in a Syntactic Dimension	Dr. P. A. Tijare	IJMTE	2019	0	0	Sipna College of Engineering and Technology, Amravati
Feedback System Based on Performance and Appraisal using Fuzzy logic Decision Support system	Ms. N.P.Mohod	Journal of Applied Science and Computations	2019	0	0	Sipna College of Engineering and Technology, Amravati
Survey On Comparison Of Graph Database Model	Ms.H.R.Vyawahare	International Journal of Research and Analytical Reviews	2019	0	0	Sipna College of Engineering and Technology, Amravati
Review paper on Real Time Age Rank Estimation with Gender Detection with image Processing	Ms.S. B. Rathod	International Journal of Engineering Development And Research	2019	0	0	Sipna College of Engineering and Technology, Amravati
Workflow Management System Through Microservice Approach	Ms.S. B. Rathod	IJREAT	2019	0	0	Sipna College of Engineering and Technology, Amravati
Analysis	Mr. A. A.	International	2019	0	0	Sipna

of Classical Raaga Bhoopali and Its Influence on Human Brain Waves	Bardekar	nal Journal of Engineering Trends and Technology				College of Engineering and Technology, Amravati
Power quality disturbance using Eviction using SOM neural network	Ms. K.R.Ingole	Journal of Recent Advances in Electronics and Telecommunication	2018	0	0	Sipna College of Engineering and Technology, Amravati
Optimized Neural Network Based Classifier for Effective Classification of Power Quality Disturbances	Ms. K.R.Ingole	Journal of Recent Advances in Electronics and Telecommunication	2018	0	0	Sipna College of Engineering and Technology, Amravati
Implementation of Real Time Data Transmission by using Mobile Sink Node	Ms. S.R.Gudadhe	IJETIR	2019	0	0	Sipna College of Engineering and Technology, Amravati
Skin Detection Selection in Image Under Complex Background	Ms. S.R.Gudadhe	IJAERD	2018	0	0	Sipna College of Engineering and Technology, Amravati
Treatment Methods of Distillary Spent Wash: A Review	Mr. Y. S. Khandekr	International Journal of Engineering and Science Invention	2018	0	0	Sipna College of Engineering and Technology, Amravati
Review on stabilization of black cotton	Mr. S. P. Mahajan	International Journal of Interdisciplinary	2019	0	0	Sipna College of Engineering and Technology, Amravati

soil by using fly ash		Innovative Research and Development				avati
An Overview of Microbial Induced Calcite Precipitation in Soil Improvement	Ms. R. B. Wath	International Journal of Innovations in Engineering and Sciences	2019	0	0	Sipna College of Engineering and Technology, Amravati
To Study Remedial Measures of Traffic Congestion for Centrally Business District Area	Mr. S. N. Kalbende	Global Journal of Engineering Science and Researches	2019	0	0	Sipna College of Engineering and Technology, Amravati
Remedial Measures of Traffic Congestion for Central Business District Area A Review	Mr. S. N. Kalbende	Global Journal of Engineering Science and Researches	2019	0	0	Sipna College of Engineering and Technology, Amravati
Combinatorial chemistry is a major cog for pesticide discovery: A mini review.	Dr. V. K. Shandilya	International Journal for Engineering Applications and Technology	2019	0	0	Sipna College of Engineering and Technology, Amravati
Study and Analysis of Image Fusion methods in transform domain	Dr. V. K. Shandilya	Journal Of Applied Science And Computations	2019	0	0	Sipna College of Engineering and Technology, Amravati
A Novel Approach in Farming	Mr. A.D.Shah	International Journal of Information And Computing	2018	0	0	Sipna College of Engineering and Technology, Amravati

		Science				
Feedback System Based on Performance and Appraisal using Fuzzy logic Decision Support system	Mr. A.D.Shah	Journal of Applied Science And Computations	2019	0	0	Sipna College of Engineering and Technology, Amravati
A Novel Approach to Farming	Mr. A.V.Sable	International Journal of Information And Computing Science	2018	0	0	Sipna College of Engineering and Technology, Amravati
Feedback System Based on Performance and Appraisal using Fuzzy logic Decision Support system	Mr. A.V.Sable	Journal of Applied Science and Computations	2019	0	0	Sipna College of Engineering and Technology, Amravati
A Novel Approach to Farming	Ms. N.P.Mohod	International Journal of Information And Computing Science	2018	0	0	Sipna College of Engineering and Technology, Amravati
Emerging Technology Electronic Commerce with Precocious Ma	Ms. S.W.Wasankar	Journal of Applied Science and Computations	2018	0	0	Sipna College of Engineering and Technology, Amravati
Survey of Intelligent chat bots using Machine learning	Ms. Y.A.Thakare	International Journal of Electronics, Communication and Soft Computing Science and Engine	2018	0	0	Sipna College of Engineering and Technology, Amravati

		ering(IJEC SCSE)				
Reversible Data Hiding in Encrypted Image Based on Histogram Shifting Method and RIEHM	Ms.R.S.Lan de	International Journal of Innovative Research in Technology Science	2019	0	0	Sipna College of Engineering and Technology, Amravati
NANT: An AntColony Swarm Intelligence based approach for communication Networks	Mr. A.V.Zade	Aayushi International Interdisciplinary Research Journal (AIIRJ)	2018	0	0	Sipna College of Engineering and Technology, Amravati
Securing on Demand Source Routing in Mobile AdHoc Networks by Vampire Attacks	Mr. A.V.Zade	International Journal of Innovations in Engineering and Science	2018	0	0	Sipna College of Engineering and Technology, Amravati
Emerging Technology Electronic Commerce with Precocious Ma	Ms. A.P.Ghatol	Journal of Applied Science and Computations	2018	0	0	Sipna College of Engineering and Technology, Amravati
IoT Based Vigor Life Deliverance and Restorative System	Ms. A.P.Ghatol	Journal of Applied Science and Computations	2019	0	0	Sipna College of Engineering and Technology, Amravati
IoT Based Vigor Life Deliverance and Restorative System	Ms. S.W.Wa sankar	Journal of Applied Science and Computations	2019	0	0	Sipna College of Engineering and Technology, Amravati
A New approach to solve Knapsack problem.	Ms. A.V.Pande	International Journal of Information And Computing	2019	0	0	Sipna College of Engineering and Technology, Amravati



		Science				
Autp Farm Monitoring System using IOT	Mr. S.A.Pa tinge	Asian Journal of Computer Science Technology	2019	0	0	Sipna College of Engineering and Technology, Amravati
A More conventional method for image matching of hazy images	Ms.A.M.Mes hkar	International Journal of Current Engineering And Scientific Research	2019	0	0	Sipna College of Engineering and Technology, Amravati
A Survey Paper on methods of Real Time Image matching for Computer Vision	Ms.A.M.Mes hkar	International Reasearch Journal of Engineering and Management Studies	2019	0	0	Sipna College of Engineering and Technology, Amravati
A New approach to solve Knapsack problem.	Ms.Y.A.Thakare	International Journal of Information And Computing Science	2019	0	0	Sipna College of Engineering and Technology, Amravati
Graph Database: The Next Frontier in managing relationships	Ms.H.R.Vyawahare	Journal of Applied Science and Computations	2018	0	0	Sipna College of Engineering and Technology, Amravati
Data Mining With Clustering On Big Data For Shopping Malls Dataset	Dr. P. A. Tijare	IJIRAE	2019	0	0	Sipna College of Engineering and Technology, Amravati
Review on Enhancement of ECommerce website performance by using M	Dr. P. A. Tijare	JASE	2019	0	0	Sipna College of Engineering and Technology, Amravati

microservice Architecture						
Balancing Load in parallel computing through program slicing	Dr. P. A. Tijare	International Journal of Management , Technology and Engineering	2019	0	0	Sipna College of Engineering and Technology, Amravati
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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	0	10	1	0
Presented papers	6	6	0	0
Resource persons	1	0	4	2
No file uploaded.				

### 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
Dental Checkup Camp	National Service Scheme	10	70
Blood Donation Camp	National Service Scheme	10	182
Swachata Abhiyan at Badnera Railway station	National Service Scheme	5	50
Eye donation Programme	National Service Scheme	10	200
NSS Camp	National Service Scheme	15	100
Road Safety Awareness Programme	National Service Scheme	7	50
Tree Plantation	National Service Scheme	5	20
International Yoga day	National Service Scheme	15	100
Vruksha Bandhu Upakram	National Service Scheme	20	200
Blood group HB Checkup	National Service Scheme	14	150

Pan card Passport Issuing Camp	National Service Scheme	15	100
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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
Clean Campus	Certificate	Amravati Municipal Corporation, Amravati	24
No file uploaded.			

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 activities	Number of students participated in such activities
Public Awareness	National Service Scheme	Road Safety Awareness Programme	7	50
Public Awareness	National Service Scheme	National Voting Day	10	75
Health Awareness	NSS / WGC	Blood Donation Camp	10	125
Social	NSS / WGC	Womens Day Rally	5	25
Green City	National Service Scheme	Tree Plantation	5	20
Health Awareness	National Service Scheme	International Yoga day	15	100
Green City	National Service Scheme	Vruksha Bandhu Upakram	20	200
Health Awareness	National Service Scheme	Blood group HB Checkup	14	150
Social	National Service Scheme	Pan card Passport Issuing Camp	15	100
Health Awareness	National Service Scheme	Dental Checkup Camp	10	70
Health Awareness	National Service Scheme	Blood Donation Camp	10	182
Swachh Bharat	National Service Scheme	Swachata Abhiyan at Badnera Railway station	5	50
Health Awareness	National Service Scheme	Eye donation Programe	10	200
Social	National Service Scheme	NSS Camp	15	100

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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
Research and Development	10	Sipna College of Engineering and Technology Amravati	1
No file uploaded.			

#### 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
Internship	Internship	ESankalp, Nagpur	06/07/2018	20/07/2018	1
Internship	Internship	SohamGlobal, Amravati	15/03/2019	30/04/2019	1
Internship	Internship	IT Trons technology, Amravati	15/01/2019	10/03/2019	6
Internship	Internship	ICEICO Pvt. Ltd., Nagpur	01/06/2018	20/07/2018	11
Industrial Visit	Industrial Visit	Tech Mahindra Limited Chandigarh.	14/12/2018	14/12/2018	84
Industrial Visit	Industrial Visit	Pingaksho Technologies, Mohali, Punjab	14/12/2018	14/12/2018	84
Internship	Internship	Internship COEP, Pune	01/06/2018	01/07/2018	2
Internship	Internship	Internship COEP, Pune	01/06/2018	01/07/2018	11
Internship	Internship	ICEICO Technologies, Nagpur	20/12/2018	05/02/2019	2
Internship	Internship	itTRONS Technologies, Amravati	23/01/2019	10/03/2019	8
Internship	Internship	itTRONS Technologies, Amravati	15/12/2018	30/01/2019	7
Internship	Internship	itTRONS Technologies,	15/01/2019	10/03/2019	12

		Amravati			
Internship	Internship	Avirat Finance	01/06/2018	15/07/2019	6
Internship	Internship	Anand Rathi Firm	01/06/2018	15/07/2019	2
Internship	Internship	Reliance	01/06/2018	15/07/2019	2
Internship	Internship	Webakruti, Nagpur	15/06/2018	14/07/2018	8
Internship	Internship	Bharat Sanchar Nigam Ltd, Nagpur	18/06/2018	29/06/2018	3
Internship	Internship	COJAG Smart Technology, Nagpur	15/12/2018	30/01/2019	3
Internship	Internship	Ctronics Solutions, Amravati	20/01/2019	20/03/2019	4
Internship	Internship	Google Crowdsorce Community	01/02/2019	01/02/2019	1
Internship	Internship	JK Innovative Pvt. Ltd, Amravati	22/06/2018	21/09/2018	1
Internship	Internship	JK Innovative Pvt. Ltd, Amravati	10/07/2018	15/10/2018	1
Internship	Internship	Alive Tech services Amravati	11/06/2018	25/07/2018	1
Internship	Internship	Poornadwait Sol. Pvt. Ltd, Amravati	05/06/2018	20/07/2018	5
Internship	Internship	COEP, Pune	04/06/2018	30/06/2018	2
Internship	Internship	WebKruti ltd, Nagpur	15/06/2018	14/07/2018	1
Internship	Internship	Ccube Communications, Nagpur	01/06/2018	31/12/2018	1
Internship	Internship	Ercess Incorporation(Internshala)	26/12/2018	05/02/2019	1
Internship	Internship	iBase Electrosoft	07/06/2018	07/07/2018	3
Internship	Internship	ImagineScript, Amravati	29/05/2018	22/09/2018	2

Internship	Internship	Makryto Innovation Pvt. Ltd, Amravati	01/07/2018	01/08/2018	2
Internship	Internship	JK Inovative Pvt,Ltd, Amravati	06/08/2018	10/11/2018	3
Internship	Internship	BitlanceTech HubPVT LTD, Amravati	18/07/2018	18/08/2018	2
Internship	Internship	BitlanceTech HubPVT LTD, Amravati	15/01/2019	10/03/2019	5
Internship	Internship	AN Infosolutions Pvt. Ltd, Amravati	25/07/2018	18/09/2019	5
Internship	Internship	ICEICO Pvt. Ltd., Nagpur	28/12/2018	15/02/2019	8
Internship	Internship	FNF Services (Internshala )	02/01/2019	13/02/2019	1
Internship	Internship	Hi Soft Solution	01/06/2018	15/07/2019	1
Internship	Internship	NEXA	01/06/2018	15/07/2019	2
Internship	Internship	Shri Ram Soham Automobiles	01/06/2018	15/07/2019	1
Internship	Internship	Edelwise	01/06/2018	15/07/2019	2
Internship	Internship	Bank of Maharashtra	01/06/2018	15/07/2019	1
Internship	Internship	Hitesh Finance	01/06/2018	15/07/2019	5
Internship	Internship	State Bank of India	01/06/2018	15/07/2019	5

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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
Amravati Metal Works	09/01/2019	Training Visit	81
Dr. Panjabrao Deshmukh Krishi Vidyapeeth, Akola	25/07/2018	Research and Development	15
ECE India Pvt. Ltd ,Amravati	21/07/2018	Research and Development	3

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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
466.1	395.95

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Classrooms with Wi-Fi OR LAN	Existing

**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	42737	16348000	712	398000	43449	16746000
e-Books	1018	0	492	0	1510	0
Journals	110	224000	100	275000	210	499000
e-Books	460	1504000	425	1076000	885	2580000
CD & Video	835	0	60	0	895	0
Library Automation	1	27500	0	0	1	27500
Weeding (hard & soft)	77	103000	0	0	77	103000

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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 &amp; 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 !!!			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MGBPS)	Others
Existing	971	20	70	1	1	1	9	70	0
Added	102	5	0	0	0	0	0	0	0
<b>Total</b>	<b>1073</b>	<b>25</b>	<b>70</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>9</b>	<b>70</b>	<b>0</b>

##### 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 Broadcaster Studio	<a href="https://www.sipnaengg.ac.in/econdev/">https://www.sipnaengg.ac.in/econdev/</a>

#### 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
17.85	19.77	153.15	152.22

##### 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 TECHNOLOGY, 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 incharge 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 incharge 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 incharge. IT Incharge 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 TECHNOLOGY, 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](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	51	2540000
Financial Support from Other Sources			
a) National	Leela Poonawala Foundation, Vidya Dhan Yojana, Religious Minoriry, State Government Scholarship	1443	79447133
b) International	NA	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
Competitive Examinations	15/09/2018	383	Proficient Test Prep, Amravati.,GAT EFORUM, Amravati

Career Counselling	18/02/2019	2541	Founder CTO of Social Spectra Company, Nashik
Bridge Courses	05/10/2018	700	Jakson Engineers limited, Noida.
<a href="#">View File</a>			

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
2019	Workshop, Seminar, Guest Lecture	434	1563	12	396
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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		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
TCS, Tech Mahindra, Persistent, IT Info Tech, Wipro, Atos Syntel, Cognizant, Amazon, Mphasis, Collabera, Tudip Technologies, Novatech Software Pvt. Ltd. and 47 More Companies visited	408	310	Tata Consultancy Limited, Pune Kantar GDC, Pune Talent Aquisition Limited, Pune Infocept Pvt Lim, Pune Tieto Pvt Lim, Pune Datalysis Software Solutions Pvt. Ltd, Infosolutions Pvt. Ltd., Amravati Contera	116	19

Engg. Pvt.  
Ltd. TCS  
Globetouch  
Orange City  
Water

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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	BE	Computer Science and Engineering	Trinity Coll ege,Dublin,U S	MS
2019	1	BE	Computer Science and Engineering	University of Texas,Arl ingtan,US	MS
2019	1	BE	Civil Engineering	Government College of Engineering, Amravati	M.Tech.
2019	2	BE	Civil Engineering	G.H. Rasoni, Nagpur	M.Tech.
2019	2	BE	Civil Engineering	PRMITR, Badnera	ME
2019	1	BE	Civil Engineering	MIT, Pune	MBA
2019	3	BE	Computer Science and Engineering	Sipna COET, Amravati	ME
2019	6	BE	Electronics and Telecomm unication Engineering	Sipna COET, Amravati	ME
2019	4	BE	Information Technology	Sipna COET, Amravati	ME
No file uploaded.					

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
GRE	2
GATE	1
CAT	1
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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
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Annual Social Gathering (Umang)	Intra College	150
Annual Sports Week	Intra College	321
Drawing and Face Painting (Arts and Craft Club )	Intra College	52
Drawing (Arts and Craft Club )	Intra College	12
Poster Presentation (Arts and Craft Club )	Intra College	12
Garba Night (Music and Dance club)	Intra College	120
Ganpati Festival and Flash Mob (Music and Dance club)	Intra College	50
Flashmob on Independence day (Music and Dance club)	Intra College	25
Football Championship (Fitness Club)	Intra College	40
Badminton Tournament (Fitness Club)	Intra College	25
Basketball (Fitness Club)	Intra College	40
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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	Color Coat	National	7	2	16BE0116 17BE0441 17BE0365 18BE0365 16BE0608 17BE0293 17BE0340 16BE0290 17BE0296	Abhishek Shah Urwali Mahajan Samruddhi Dahake Vedant Chandanbatwe Rajashree Gomase Rohit Devikar Rucha Deshmukh Yash Wakode Vyanktेश Heda

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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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, lecturer's 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 exstudents 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 wellplaced 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's 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 exstudents 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

5.4.4 – Meetings/activities organized by Alumni Association :

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 InCharge for Gymkhana portfolio. Gymkhana InCharge nominates the InCharge for various subcommittees like Sports Games, NSS, Youth Festival, Annual Social Gathering, College Annual Magazine and asks the subcommittee InCharge to submit financial requirements for their activities for sanction. InCharge for Sports Games deutes 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. InCharge for National Service Scheme selects a unit of 200 students from amongst the aspirant students. The unit undertakes various activities during academic year like student's awareness programs, tree plantation in the public places, road safety drives, blood donation camps, voting awareness programs, 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 InCharge of Annual Social Gathering distributes responsibilities of various events to different faculty members for smooth organization. The InCharge 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 shortlisted students are carried out by the respective event InCharge. 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 Incharge. Articles related to various topics are compiled and edited by the editorial board under guidance of the staff Incharge. 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
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.
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.

**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 MultiDisciplinary 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 and students. In addition to this institute has Recognizes Ph.D. research labs in Electronics, Computer Science Information Technology.

**Library, ICT and Physical Infrastructure / Instrumentation**

Library of college which holds 50716 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 Audiovisual 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 WiFi 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.

**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..

**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 factor, which is considered for admission, thus ensuring full



	transparency in the admission process
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.
Human Resource Management	The Management motivates the teaching staff for attending workshops/International, National and State level conferences. Financial incentives are given to the organizers of the conferences to motivate them to organize more research based programs and Awards are given to the best teaching Non teaching faculties for the performance every year. Faculties were appraised and motivated for further enrichment with research aptitude. Nonteaching staff are motivated to pursue their higher education in distance mode The faculty who have written the textbooks are rewarded and 100 percent Registration fee contribution for membership in one professional Society.

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

E-governance 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. The road map for the next year includes focus on funding research facilities, strengthening of teaching skills, expansion of student amenities. MOODLE, the Learning Management System, Software customized by the Institute for the students and SOUL2.0 software

	digitalize the library.
Administration	Simple moral accountable responsive and transparent governance is applied in administration with ITC enabled services. 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.
Finance and Accounts	As our institution is selffinancing. The finance and account are audited regularly as per the guidelines of affiliating and recognizing bodies. All are transparent. DOTCOM Infotech Pvt. Ltd., Amravati software is used for finance account.
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. 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.
Examination	The College has the separate Exam Control Room with well equipped ICT Tools, Separate Desktop with Internet Facility for online procedures. University deputed agency for carrying out entire examination processes

### 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
2018	Ms. S.B. Rathod	ICICSS Coimbatore Tamil Nadu	IEEE	3000
2018	Ms. H.R. Vyawahare	ICICSS Coimbatore Tamil Nadu	IEEE	3000
2018	Ms. K.R. Ingole	Workshop	ISTE	750
2019	Dr.P.A. Tijare	IJMTE Pune	NA	1000
2019	Dr. G.S. Thakare	IJMTE Pune	NA	2000
2018	Ms.S.R.Gudadhe	RICE, Badnera	ISTE	2250

2018	Ms. N.P. Mohod	IJICS, Chirala	InderScience	1000
2019	Ms. A.V. Pande	IJICS, Pune	CSI	1000
2018	A.V. Zade	IEEE Mysore	IEEE	3500
2019	Dr.S.V. Rode	JETIR	NA	1050
2018	U.V. Ramekar	RASE, Shegaon	ISTE	1000
2018	Ms.L.K. Gautam	Workshop	ISTE	750
2019	H.N. Datir	ICRAECC, Tamilnadu	IEEE	2000
2019	O.A. Jaisinghani	Workshop, Pune	ISTE	1445
2018	Dr.V.K. Shandilya	ICESC, Nagpur	IETE	5000

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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)
2018	Digital Skills for Effective Teaching Learning in Engineering Education	The Training on Operation of the Sound System	17/12/2018	22/12/2018	34	10

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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
Faculty Development Program for "Student Induction Programme" conducted by AICTE Organized at Guru Nanak Institute of Engineering and Technology, Nagpur	2	05/07/2018	07/07/2018	2

Research Methodology	1	16/07/2019	21/07/2019	6
Workshop on Artificial intelligence and Deep learning	1	21/07/2018	23/07/2018	3
SWAYAM online course on Introduction to Internet of things.	1	02/07/2018	07/07/2018	1
Strength of Materials	1	30/07/2018	28/10/2018	12
NPTEL Online Courses	34	30/07/2018	28/10/2018	12
FDP on "Digital Skills for Effective Teaching Learning in Engineering Education"	50	17/12/2018	22/12/2018	6
STTP on "Recent Trends in Data Science Big Data Analytics"	7	10/12/2018	15/12/2018	6
Solid Waste Management for Smart City	4	01/03/2019	02/03/2019	2
One day Workshop on Scilab by ICT at IIT Bombay	4	04/05/2019	04/05/2019	1
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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	137	67	72

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> <li>Group Insurance scheme</li> <li>Gratuity Scheme</li> <li>Paper presentation in International Conferences (Abroad) – 50 percent of actual expenses including registration fee or Rs. 15,000/ whichever less is paid.</li> <li>Paper presentation in</li> </ul>	<ul style="list-style-type: none"> <li>Group Insurance scheme</li> <li>Gratuity Scheme</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Scholarship and other financial assistance are provided for poor and meritorious students.</li> <li>Value added courses are made available to students by the institution.</li> <li>Indoor / outdoor games facilities are available for the</li> </ul>

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 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/Study/Special Leave.

• 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.

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.

#### 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 transparency 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

Funds/ Grnats received in Rs.

Purpose

funding agencies /individuals

No Data Entered/Not Applicable !!!

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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

## 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	College of Engineering Pune	Yes	Constituted Committee
Administrative	Yes	College of Engineering 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 201819 three Parents meet were conducted in which 195 Parents were present.

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

The training on Operation of the Sound System has been conducted by our college on 6th of September 2018. The programme was mandatory for support staff of all the departments. So, all the support staff attended and benefited from the same.

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

1. UGC and AICTE are actively encouraging colleges and Universities to adopt atleast one online course a semester for credit transfer. These courses also serve as faculty development programmes. In view of this IQAC has decided that Institute faculties should enrol for NPTEL courses in order to learn the subjects they wish to master in greater depth. 2. 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 it has been planned to submit the prequalifier of NBA of three eligible Programmes: Electronics Telecomm., Computer Science Engineering and Information Technology. 3. Energize the activities of all the clubs and forums in the college. 4. IQAC decided to apply for AICTE Margdarshan Scheme. 5. IQAC motivated Faculties to submit project proposal for research grant.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
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
2018	IQAC Meeting No 3	05/10/2018	05/10/2018	05/10/2018	21
2019	IQAC Meeting No 4	04/01/2019	04/01/2019	04/01/2019	23
2019	IQAC Meeting No 5	19/04/2019	19/04/2019	19/04/2019	22
2019	Application for NBA	04/01/2019	04/01/2019	07/03/2019	102
2018	Academic Administrative Audit (AAA) of ISO NAAC	05/10/2018	21/12/2018	22/12/2018	137
2019	Academic and Administrative Audit (AAA) of ISO NAAC	19/04/2019	29/04/2019	30/04/2019	137
2018	Collection of Students Feedback	04/07/2018	06/08/2018	11/08/2018	2691
2019	Collection of Students Feedback	04/01/2019	01/04/2019	06/04/2019	2691
2018	Collection of Parents Feedback	04/07/2018	25/08/2018	23/03/2019	195
2018	IQAC Meeting No 1	20/06/2018	20/06/2018	20/06/2018	15
2018	IQAC Meeting No 2	04/07/2018	04/07/2018	04/07/2018	22

## 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
Guest Lecture on : Modernization and implementation of western culture	04/09/2018	04/09/2018	63	0
One day workshop at Womens Study	11/10/2018	11/10/2018	23	0

Centre, SGBAU , on Girls Health and Well Being				
Rally on "Beti Bachao Beti Padhao"	08/03/2019	08/03/2019	15	10
Seminar on 'Women empowerment and legal rights of women'	08/03/2019	08/03/2019	49	0

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 met by the renewable energy sources 28 (Solar Plant 30kW added in AY 201819)

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Ramp/Rails	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
2018	1	1	22/09/2018	1	Swacchata abhiyan at Badnera railway station	Social and Environmental awareness	55
2018	1	1	01/10/2018	1	Seminar in Z.P.School, Amravati on "Opportunities in life by president of social activity club"	Motivational Lecture	42
2018	1	1	27/10/2018	1	Seminar on Stress Management	Motivational Lecture	110
2018	1	1	12/12/2018	7	One Week	Social,	100



			8		residenti al NSS Camp at Madhan	health and ethical issues awareness	
2019	1	1	09/01/201 9	1	Visit of Nature lovers Denmark delegates to Sipna COET, Amravati	Social and Envir onmental awareness	89
2019	1	1	12/01/201 9	1	Yuvanand Birth ann iversary of Swami Vivekanan d	Motivatio nal Lecture	2000
2019	1	0	12/01/201 9	1	Mission Sahasi Self defence workshop for girls	Social and Safety awareness	40
2019	1	1	26/01/201 9	1	Rally for cleanline ss and en vironment conservat ion	Social and Envir onmental awareness	23
2019	1	0	06/02/201 9	1	No Vehicle Day at Sipna Campus	Social and Envir onmental awareness	53
2019	1	0	13/02/201 9	1	Blood Donation	Social Activity	150
2019	1	1	16/02/201 9	1	Eye check up camp in collab oration with Disha eye bank at Shivrao V idyalaya, village G hatladki, Tq. Chandur bazar. Dist. Amravati	Social and health issues awareness	150

2019	1	1	08/03/2019	1	Participation Womens Day Rally Beti Bachao and Beti Padhao	Public awareness	35
2019	1	0	18/03/2019	3	Stall for Herbal colours for Holy festival	Social and Environmental awareness	18
2019	1	0	20/03/2019	9	Installation of bird feeders water pots on trees on occasion of world sparrow week	Social and Environmental awareness	5
2018	1	1	01/07/2018	1	Participation in tree plantation drive of Maharashtra govt. at Mahadeokhori, Yashoda Nagar, Amravati	Environmental Awareness	22
2018	1	0	02/07/2018	1	Tree Plantation in college campus. 1	Environmental Awareness	35
2018	1	1	02/07/2018	1	Establishment of stall for donation of plants to citizens	Social and environmental awareness	11
2018	1	0	09/08/2018	1	Industrial Visit to Gomti Industry	Practical and Live Learning Experience	35
2018	1	0	17/08/2018	1	Wild Life study tour at	Environmental Awareness	23

					Pohara Chirodi Reserve forest	and knowing the wildlife ecology	
2018	1	1	18/08/2018	1	Swayamsidha One day workshop by MIDC Association, Amravati.	Introducing technology	31
2018	1	1	05/09/2018	1	Teacher's Day celebration at Motoshri Old Age Home	Contribution to local Community and spreading social awareness	45
2018	1	0	05/09/2018	1	Blood Donation	Social Activity	182
2018	1	1	05/09/2018	8	Eco Friendly Ganesha-Business Management Event	Social and Environmental awareness	400
2018	1	1	07/09/2018	1	Environmental Awareness lecture by Jayesh Raul, Hars hada Pagare, Yashraj Banarase at Saint Kawarram English school, Amravati	Social and Environmental awareness	80
2018	1	1	12/09/2018	1	Arranged Drawing competition at Rathi Mukabhadhir Vidyalaya, Sainagar, Amravati	Motivational and Social awareness	59
2018	1	0	14/09/2018	1	Paper bag preparati	Social and Envir	39

					on from drawing sheets.	onmental awareness	
2018	1	1	21/09/2018	1	Traffic Awareness Programme for First year students by Mr Abhijit Tale(RTO officer)	Social and Safety awareness	89

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 AND ETHICS	19/06/2018	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
Road Safety Awareness Program	07/01/2019	07/01/2019	50
National Voting Day	25/01/2019	25/01/2019	75
Republic Day Celebration	26/01/2019	26/01/2019	1000
Mahatma Gandhi Punyatithi	30/01/2019	30/01/2019	25
Blood Donation Camp	13/02/2019	13/02/2019	125
Womens Day Rally	08/03/2019	08/03/2019	25
International Yoga day	21/06/2018	21/06/2018	100
Tree Plantation	21/07/2018	21/07/2018	20
Vruksha Bandhu Upakram	28/07/2018	28/07/2018	200
Blood group and HB Checkup	01/08/2018	01/08/2018	150
Pan card and Passport Issuing Camp	08/08/2018	08/08/2018	100
Dental Checkup Camp	14/08/2018	14/08/2018	70
Independence day	15/08/2018	15/08/2018	900
Blood Donation Camp	05/09/2018	05/09/2018	182
Kerala flood Relief Fund	15/09/2018	15/09/2018	1100

Swachata Abhiyan at Badnera Railway station	22/09/2018	22/09/2018	50
Gandhi Jayanti	02/10/2018	02/10/2018	51
Eye Donation Program	15/10/2018	15/10/2018	200
Sardar Vallabhai Patel Jayanti	31/10/2018	31/10/2018	150
NSS Camp	09/12/2018	15/12/2018	100

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 Practices: I. BEST PRACTICE: Sipna Nature Club Sipna Nature Club is a self-sponsored, voluntary students club of Sipna College of Engineering Technology Amravati which aims to conserve the nature through all its aspects for carrying out various students involving activities for environment. Club provides the platform for students to explore their love and care for nature, as well as trained them to make aware about the environmental harms and its importance among the society in which they must create their future. Sipna Nature Club completed the successful journey of six years. Management of Institute awarded Nature Club consecutively four times for excellent contribution towards the nature conservation and environmental/social awareness programs conduction. The most renowned activity of club is green sapling instead of bouquet is appreciated by all guests who visited to institute.. The Objectives of the nature clubs are: • To provide environmental education to the students of Institute. • To encourage students to develop alternative and ecofriendly technologies for disposal of waste, pollution control and sustainable development. • To provide guidance and training for entrepreneurship in the field of environment. • To publish bulletins, reports and similar literature related to environmental issues. • To organize social programmes to create a sense of Earth citizenship and a sense of duty to care for the Earth. • To organize programmes and competitions for development of Arts and aesthetic and environmental values of college campus. • To educate students regarding the laws and regulations regarding control of pollution and conservation of nature about government and semigovernment schemes. II. Best Practice: Teacher Guardian Scheme 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, One Teacher is nominated as 'Teacher Guardian' for 2022 students. 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 analyzes 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.

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](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

**Institutional Distinctiveness:** 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 effective dealing with the various issues related to the environmental health. The institute is certified with the ISO 14001:2015 (Certificate No. 609150317) since March 2017. This is the only institute in the region, having certification for Environment Management System, by Otabu Certification Ltd. UK. Since the initial days 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. Institute started with 60 kW on grid solar power plant in January 2016 and currently planning to expand its capacity to 160 kW, which will generate about 2,34,000 kWh/year. "No vehicle day" is observed every year in Sipna, college of Engineering and Technology. On this day students, teaching and nonteaching 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 SubCentre 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](https://www.sipnaengg.ac.in/wp-content/uploads/2019/09/Institutional_Distinctiveness.pdf)

### 8.Future Plans of Actions for Next Academic Year

Future Plans of action for next academic year (201920) • Plan to get Accreditation for remaining programmes. • To strengthen the implementation of Outcome Based Education in its various aspects by streamlining its processes and by use of a suitable software. • We are planning to add PG courses in Civil and Mechanical Engineering • We have applied for additional seats of Ph.D. In Electronics, Computer Science Engg. Information Technology for which we may get approval. In addition to this we have also applied for the recognition of research centre for Mechanical Engineering Mathematics. • Pursuing the matter with UGC for 2 (f) 12 (B). • 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 increase the number of faculty having PhD qualification. • Strengthen Industry Institute Interaction through IIIICR 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. • Publishing research papers with more emphasis on quality papers in indexed Journals • 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. • Construction and development of new Auditorium • Organization of Seminars/workshops on Personality Development of NonTeaching Staff. • Improving quality of admitting students, through various counselling and career guidance session.