Part A

Data of the Institution

1. Name of the Institution	**SIPNA COLLEGE OF ENGINEERING AND TECHNOLOGY, AMRAVATI**
Name of the head of the Institution	**Dr. Siddharth A Ladhake**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**07212522341**
Mobile no.	**9422156682**
Registered Email	**sipnaoffice@gmail.com**
Alternate Email	**office@sipnaengg.ac.in**
Address	**Sipna Campus, Infront of Nemani Godown, Badnera Road, Amravati**
City/Town	**Amravati**
State/UT	**Maharashtra**
Pincode	**444701**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. Ajay A. Gurjar**
Phone no/Alternate Phone no.	**07212522341**
Mobile no.	**9511681053**
Registered Email	**prof_gurjar1928@rediffmail.com**
Alternate Email	**agurjar73@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://sipnaengg.ac.in/

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Academic-Calender-2017-18.pdf

5. Accrediation Details

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

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**16-Dec-2016**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Students' Feedback	**07-Aug-2017**	**2310**

		6	
Students' Feedback	18-Sep-2017 6	2340	
Students' Feedback	05-Feb-2018 6	2230	
Students' Feedback	02-Apr-2018 6	2333	
Parents' Meet	23-Sep-2017 1	95	
Parents' Meet	16-Sep-2017 1	65	
IQAC Meeting	27-Jun-2017 1	18	
IQAC Meeting	02-Aug-2017 1	15	
IQAC Meeting	04-Dec-2017 1	13	
IQAC Meeting	02-Apr-2018 1	13	
[View File](#)			

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institute	State Government Scholarship	State Government	2018 365	94323875
[View File](#)				

9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

12. Significant contributions made by IQAC during the current year(maximum five bullets)
1.IQAC motivated Faculties to increase the research publications, IPR and Patents. 2. Career Guidance and Placement Cell strengthened. 3.Professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year and training arranged for students. 4. Improvement in teaching and Learning Process. 5.Institute got accredited with NAAC Grade A.

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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
Faculties motivated to submit project proposal for research grant	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.
Initiate social responsibility activity	Programme conducted by NSS.
Conduct Internal Academic Audit	Conducted for all the departments.
Application for NAAC (first cycle)	Institute got Accredited with Grade A.
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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	12-Apr-2018
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	03-Mar-2018
17. Does the Institution have Management Information System ?	Yes

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	College has developed its own ERP/College Management system (MIS) through which all organizational activities are conducted. Currently the admission process is executed through ERP. MIS contains following currently operational modules: 1. Students Admission form 2. Provisional Registration 3. University Examination Result 4. Employees Data 5. Leaving Certificate 6. Employees Posting 7. Admission Register Report 8. Branch wise Registration Report 9. Branch Change Report 10. University Enrolment Report 11. Practical Roll List of Students 12. Students Attendance Report

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

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

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/entreprene urship	Skill Development
NIL	NIL	Nil	0	NIL	NIL

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NIL	Nill
View File		

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	19/06/2017
BE	Information Technology	19/06/2017
BE	Electronics and Telecommunication Engineering	19/06/2017
BE	Civil Engineering	19/06/2017
BE	Mechanical Engineering	19/06/2017
ME	Computer Science and Engineering	29/08/2017
ME	Computer Engineering	29/08/2017
ME	Information Technology	29/08/2017
ME	Electronics and Telecommunication Engineering	29/08/2017
ME	Digital Electronics	29/08/2017
MBA	HR, Finance, Marketing,Production Operation Management	01/08/2017

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

	Certificate	Diploma Course
Number of Students	0	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Aptitude Softskill	01/02/2018	256

Training (Genosis) (IT)		
Aptitude Softskill Training (Genosis) (IT)	06/07/2017	306
Technical Training(In House) (IT)	16/01/2018	39
Technical Training(In House(IT)	04/07/2017	54
Technical Training (Barclays(IT)	15/02/2018	76
Aptitude Softskill Training (Genosis) (Mech. Engg.)	01/02/2018	199
Aptitude Softskill Training (Genosis) (Civil Engg.)	01/02/2018	147
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Computer Science and Engineering	20
BE	Information Technology	27
BE	Electronics and Telecommunication Engineering	83
BE	Civil Engineering	21
BE	Mechanical Engineering	28
MBA	HR, Finance, Marketing, Production Operation Management	10
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
Summarized Reports of the Alumina 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 analyzed and summarized reports pertaining to syllabus were forwarded to the University through the college representatives (Syllabus Restructuring Committee Members) involved in the syllabus framing. 2.The suggestions from the alumina were discussed at length in the Board of Studies meeting convened for framing of syllabus. Emphasis by the college representatives was given on the suggestions 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.

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
BE	Computer Science & Engineering	138	123	123
BE	Electronics & Telecommunication	138	103	103
BE	Information Technology	138	118	118
BE	Civil Engineering	69	56	56
BE	Mechanical Engineering	69	52	52
BE	Computer Science & Engineering Direct II Year	90	89	89
BE	Electronics & Telecommunication Direct II Year	136	81	81
BE	Information Technology	63	30	30

		Direct II Year			
BE	Mechanical Engineering Direct II Year	20	20	20	
BE	Civil Engineering Direct II Year	20	15	15	

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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
2017	2419	200	120	22	142

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
142	142	5	39	39	8

View File of ICT Tools and resources

View File of E-resources and techniques used

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

Yes We as a 'Sipna Parivar' has introduced this scheme to have one to one interaction with students for a batch of about 20-22 students, a teacher is assigned the role of Teacher-Guardian. Teacher Guardian works as a friend, philosopher and guide for these students. He/she keeps the trail of every students day-to-day activities, and other related information of students. He/she encourages the students to participate in co-curricular extracurricular activities He/she gives academic feedback to the parents/guardians regularly. He/she also counsels the students to solve difficulties encountered not only in college campus but in their personal lives too. Teacher guardian acts as a mentor to students and offers them emotional and academic support along with motivation. The teachers of the institution take up the responsibility of safeguarding and nurturing the newly admitted students. This scheme is implemented effectively for First Year to Final Year students for the better coordination and communication between staff-student and staff-parents. For every twenty to twenty-two students, one teaching faculty is allocated as a teacher guardian. The respective faculty takes continuous follow up of academic, curricular and co-curricular development of every students and identifies students having good, average and poor performance. The teacher guardian makes calls and inform about the same to respective parent and also called them for counselling if required.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2619	142	1:18

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned	No. of filled positions	Vacant positions	Positions filled during	No. of faculty with

positions			the current year	Ph.D
142	142	0	0	29

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	Dr. Ajay Anil Gurjar	Professor	Best Researcher Award IJRULA 2018
2017	Dr. Ajay P. Thakare	Professor	Elected as Governing Council Member of the IETE, New Delhi
2017	Dr. Ajay Anil Gurjar	Professor	IRSD Distinguish Researcher Award 2017 in Electronics Communication at NITTR Chandigarh
[View File](#)			

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	1st/3rd/5th /7th Semester(Winter 2017)	22/11/2017	27/01/2018
BE	138	2nd/4th/6th/8th Semester(Summer 2018)	25/05/2018	18/07/2018
ME	139	1st Semester (Winter 2017)	16/12/2017	29/01/2018
ME	139	2nd Semester(Summer 2018)	23/05/2018	02/08/2018
MBA	86	1st Semester (Winter 2017)	27/12/2017	25/01/2018
MBA	86	2nd Semester(Summer 2018)	19/05/2018	06/07/2018
[View File](#)				

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 • Re-Sessional is conducted for the absent students or students securing less marks. Weak students are continuously monitored by the guardian teacher. University level: • Paper setting, conduct of examination, evaluation and declaration of results is done by SGBAU Amravati University. • In case of grievances related to university question papers, the same is communicated to university through the controller of examination within stipulated time. •After declaration results by the University, students can apply for either photocopy of answer sheets, which are provided by the University on payment of fees or directly for reassessment. • Student having grievance after receiving photocopy of answer sheet, can apply for revaluation to the University.

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

• The institute adheres to the Academic Calendar prepared according to the calendar provided by SGBAU University. • Every Semester an academic calendar is prepared and followed for conduct of examination and other activities. • The academic calendar is displayed on the Notice Board and shared with the Head of the departments to ensure proper execution. • The academic calendar incorporating instruction days, events, schedule of sessional examination etc. is planned well in advance and communicated to the students in the beginning of the semester. • Head of the Department with the help of load distribution committee distributes the workload, after which the timetable is prepared by timetable incharge in consultation with other departments. • The Teaching plan, indicating the topics covered lecture wise, addon topic, topics beyond syllabus for each subject is prepared by the faculty before the commencement of the semester and it is duly approved after careful examination by the Head of the Department. • Faculty members update their existing course files which consist of teaching plan, content analysis, subject history previous years question papers, list of reference books, continuous evaluation sheets and notes. • Unit wise question bank as per the university pattern is prepared by the faculty and is made available to the students before the commencement of Sessional exams. • Evaluated answer sheets are distributed in the class and an opportunity is given to the students to discuss the evaluation with the teacher and mistakes if any is rectified on the spot by the teacher. • Re-sessional is conducted for the absent students or students securing less marks during sessional. • Monthly Attendance is monitored and students with poor attendance are communicated accordingly. • Records of lectures delivered as per the timetable are maintained and verified by the class teacher and Head of Department. • Revision and remedial classes are conducted towards the end of the course • Submission is done in the allotted time and term work marks are evaluated based on continuous assessment. • Examinations are conducted as per University rules and regulations. • Result analysis is carried out after declaration of the University result.

2.6 – Student Performance and Learning Outcomes

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

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

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the	Number of students passed in final year	Pass Percentage

			final year examination	examination	
138	BE	Computer Science and Engineering	241	196	91.58
138	BE	Electronics and Telecomm unication	196	179	91.32
138	BE	Information Technology	97	83	85.56
138	BE	Instrument ation	15	14	93.33
138	BE	Civil Engineering	70	67	95.71
138	BE	Mechanical Engineering	64	54	84.37
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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://sipnaengg.ac.in/wp-content/uploads/2020/09/Student_Satisfaction_Survey-2017-18.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
Nill	0	NIL	0	0
		View File		

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 on "Role of CAD/CAM/CAE in Mould and Die Making"	Mechanical Engineering	07/03/2018
Seminar on "How to become successful Entrepreneur"	Mechanical Engineering	15/09/2017
Seminar on "Azadi ki Nayi Jung"	Mechanical Engineering	05/09/2017
Seminar on "Scope of Automotive Sector"	Mechanical Engineering	12/07/2017
Seminar on GST You!	MBA Department	19/08/2017

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
Synthesis Of Indian Classical Rga Yaman Structural Influence On Human Brain Waves	Mr. A. A. Bardekar	IJRULA, Trichy	19/06/2018	Best Researcher 18
Synthesis Of Indian Classical Rga Yaman Structural Influence On Human Brain Waves	Dr. A. A. 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	Mr. Pranav Patil and Mr. Ankit Thakur	Sipna College on Engineering and Technology, Amravati	CSK Mart	Multistore shop	26/07/2017
Sipna College on Engineering and Technology, Amravati	Mr. Akshay Srivastav	AMC Amravati	Online Birth and Death Registration system	Computer Software work	26/08/2017

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

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

Name of the Department	Number of PhD's Awarded
Electronics Telecommunication	3
Computer Science Engineering	1
MBA	1
Science Humanities	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

International	Electronics Telecommunication	16	Nill
International	Computer Science Engineering	20	Nill
International	Information Technology	8	Nill
International	Civil Engineering	2	Nill
International	Mechanical Engineering	1	Nill
International	MBA	6	Nill
International	Science Humanities	4	Nill
[View File](#)			

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

Department	Number of Publication
Computer Science Engineering	2
Information Technology	4
Electronics Telecommunication	6
Science Humanities	5
[View File](#)	

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
Use of Coconut shell Aggregate in Concrete	Prof. S. P. Mahajan	International Journal for Engineering Applications And Technology	2017	0	Sipna College of Engineering Technology, Amravati, MS, India	0
Investigation on Utility of Plastic Waste as an Additive for Bituminous Concrete Using Wet Process of Mixing	Prof. A. V. Tiwari	Science and Transport Progress, Volume-6 (72)	2017	3	Sipna College of Engineering Technology, Amravati, MS, India	3

| Performance and Evaluation of Pop Can Solar Dryer for Batch Products | Dr. S. S. Ingole | American Journal of Renewable and Sustainable Energy | 2018 | 2 | Sipna College of Engineering Technology, Amravati, MS, India | 2 |

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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
Use of Coconut shell Aggregate in Concrete	Prof. S. P. Mahajan	International Journal for Engineering Applications And Technology	2017	0	0	Sipna College of Engineering and Technology,Amravati
Investigation on Utility of Plastic Waste as an Additive for Bituminous Concrete Using Wet Process of Mixing	Prof. A. V. Tiwari	Science and Transport Progress, Volume-6 (72)	2017	5	3	Sipna College of Engineering and Technology,Amravati
Performance and Evaluation of Pop Can Solar Dryer for Batch Products	Dr. S. S. Ingole	American Journal of Renewable and Sustainable Energy	2018	3	2	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	2	6	0	0
Presented papers	15	Nill	Nill	Nill
Resource persons	Nill	Nill	3	Nill

| **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
International Yoga -Day	NSS	2	150
Blood Donation Camp	NSS	2	180
International Youth Skill Day	NSS	2	350
Visit to Old-Age Home	NSS	2	150
NSS Special Camp	NSS	2	100
Tree Plantation	NSS	2	400
Eco-Friendly Ganesh Rally	NSS	2	100
Swachata Abhiyan	NSS	2	150
Republic Day Visit to Orphan Age	NSS	2	150
Road Safety Awareness	NSS	2	250

 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
NIL	NIL	NIL	0

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 activites	Number of students participated in such activites
Nature club	Nature club	Tree plantation, Awareness rally, students provide plants by visiting door to door at Gopal Nagar area	2	100
CS Student Activity	Mr.Umesh Aaglave Nagpur	Guideline on Gate Exam	2	200

IT student Activity	1.Mr. Akshay Kende , M Tech from VIT Vellore, Internship at Intel Banglore.	Alumni Interaction	2	125
EXTC Student Activity	Alumina and selected in international space university	Career in space sciences	2	106
Civil Dept. Student Activity	Mr. Hitesh lahoti, CESA, Pune	Guest lecture Application of STAAD Pro in Design	2	80
Mech Dept. Student Activity	Mr. Linesh Pandey, Director, Shreenath Packers, MIDC, Amravati	How to become successful Entrepreneur	2	92
MBA Dept. Student Activity	Dr. Avinash Saoji	Community Service and Volunteering	2	62

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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
NIL	NIL	NIL	0

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Internship	Garware Polyster Limited, Aurangabad	14/06/2018	30/06/2018	2
Internship	Internship	Mahagenco Thermal Power Plant, Paras	06/06/2018	30/06/2018	1
Internship	Internship	Ketan Hyundai Motors, Amravati	01/06/2018	30/06/2018	3

Internship	Internship	MSRTC Workshop, Amravati	01/06/2018	30/06/2018	9
Internship	Internship	Nashik Engineering Cluster (NEC)	06/06/2018	20/06/2018	40
Internship	Internship	ICEICO Technologies Pvt. Ltd.	03/02/2018	20/03/2018	27
Internship	Internship	Sthapatya Consultants Pvt. Ltd, Amravati	14/06/2017	29/07/2017	20
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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
M/S. TIRUPATI INDUSTRIES	11/08/2017	Industrial Vist, Hands on Training Internship	7
SENGER INDUSTRIES	18/08/2017	Industrial Vist, Hands on Training Internship	55
JADHAO STEEL ALLOYS	18/08/2018	Industrial Vist, Hands on Training Internship	55
JADHAO GEARS PVT. LTD	13/09/2017	Industrial Vist, Hands on Training Internship	40
GENOSIS PLUS	04/03/2017	Soft Skill Training	1923
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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
274	274

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
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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	41355	15654000	1382	694000	42737	16348000
e-Books	1000	0	18	0	1018	0
Journals	112	276000	110	223000	222	499000
e-Journals	460	1483000	460	1504000	920	2987000
Digital Database	3	1483000	3	1504000	6	2987000
CD & Video	805	0	30	0	835	0
Weeding (hard & soft)	77	0	0	0	77	0
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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nill
[View File](#)			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others

Existing	891	20	70	1	1	1	9	70	0
Added	80	5	0	0	0	0	0	0	0
Total	971	25	70	1	1	1	9	70	0

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

70 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Open Broadcaster Studio	https://sipnaengg.ac.in/econdev/

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
291.4	289.39	174.81	174.72

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 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, classroom, computers, devices, equipment's, machinery, sports facilities etc. in the institute. The maintenance of physical, academic and support facilities are carried out by the respective departments with the help of in-house staff periodically. And care has been taken to keep the equipment's, machine etc. in working condition. In case of breakdowns standard procedure is followed to bring the equipment/machine in working condition. Dean infrastructure monitors, develop and maintain the facilities like Civil Infrastructure, Electrical Infrastructure, Garden Maintenance IT infrastructure. A brief description is presented below on maintenance and utilization of some facilities. 1. Lab in-charge is responsible to maintain and upgrade the laboratory with necessary equipment's from time to time to cope with change in the syllabus. 2. The class rooms are cleaned on daily basis monitored by institute supervisor. 3. The laboratory technicians and system administrator maintain the IT facilities in the institute. 4. Faculty inchagre is assigned a responsibility of electrical maintenance water drinking facility. 5. Librarian with supporting staff has been appointed to maintain central library. 6. Sport incharge of the institute looks after the sports facilities and the activities. WORKING PROCEDURE FOR IT INFRASTRUCTURE MAINTENANCE 1. IT/Computer related Maintenance/Requirement is raised by department in a specific format duly signed by Head of the Department 2. After receiving the requirement at Computer Science Engineering Department, an in-charge assign the work to a technical staff. 3. The Technical staff then goes to a location, analyses the problem, repairs it if possible or inform back to an in-charge if any hardware replacement is required. 4. In case of hardware replacement, the HOD initiates a requirement as per the suggestions given by the IT in-charge. IT In-charge then places his remark on the requirement and Supply order is placed by the department. 5. After receiving hardware components, technical staff fixes the problem and maintenance activity is closed. 6. Department carries out regular network audit to identify the issues

in the existing network and computer systems. The last audit was made on 8th Sept. 2017. This audit was carried out by TCS iON team as they regularly conduct online examination in the institute on holidays at different locations. 7. Based on the suggestions given by auditor, department takes necessary actions to upgrade the IT Infrastructure.

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 Merit Scholarship	51	2540000
Financial Support from Other Sources			
a) National	Leela Poonawala Foundation, Vidya Dhan Yojana, Religious Minoriry, State Government Scholarship	1783	97908875
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
Soft skill Development	06/07/2017	2750	Gnosis, Barclay
Remedial Coaching	03/10/2017	130	Respective subject incharge
Language Lab	19/06/2017	540	Incharge Language Lab
Bridge Courses	16/12/2017	1110	Tech Mahindra Limited Pingaksho Technologies,Jackson Enginners limited,Noida,Amartex,Panchkula,chandigarh,Aleo hydro power pvt.ltd,Manali,Amber Builders,Tirupati Industries,AMC,Siddhivinayak Ready Mix Plant,Indain railway,Tirupati Industries,Ca
Yoga	23/12/2017	100	NSS CAMP
Meditation	21/06/2017	113	Brahamakumari Pratibha

Personal Counselling	19/06/2017	2619	Brahamakumari Vinodbhai All Teacher Guardian

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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2017	Workshop, Seminars, Guest Lectures	898	1932	6	234

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
0	0	0

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Proto tech solution pvt ltd. ETERNUS SOLUTION PVT LTD. CYBAGE PVT LTD SMART DATA GLOBAL LOGIC SWIFT INFOCOM (INDIA) PVT LTD Amazon.com JUSPAY IASYS Pvt.Ltd INNOEYE MPHASIS TECHINFINI GAIT ONLINE TEST EPIC RESEARCH AXIOM	314	132	Tata Consultancy Limited, Pune Cognizant Technology Solutions Pvt. Ltd Tata Technologies Infosys Limited,Pune Reliance Jio Capegemini Tech Mahindra YSM India Okaland Systems Pvt. Ltd. Dmart (Avenue Supermarts)	102	102

TECHNOLOGY BYNRY TECHNOLOGY FA			WIKA Instruments India Pvt. Ltd. Keihin		

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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
2018	7	BE	Computer Science Engineering	Sipna COET, Amravati	ME(Computer Science Engineering)
2018	3	BE	Electronics & Telecommunication	Sipna COET, Amravati	ME(Electronics & Telecommunication)
2018	2	BE	Information Technology	Sipna COET, Amravati	ME(Information Technology)
2018	2	BE	Electronics & Telecommunication	Government College of Engineering, Amravati	MTech(Electronics)
2018	4	BE	Mechanical Engineering	G.H.Raisoni, Amravati	M.Tech. Thermal Engg.
2018	2	BE	Mechanical Engineering	G.H.Raisoni, Amravati	M.Tech. Heat Power
2018	2	BE	Civil Engineering	Government College of Engineering, Amravati	M.Tech. Structural Engg.
2018	1	BE	Civil Engineering	Government College of Engineering, Aurangabad	M.Tech. Structural Engg.
2018	1	BE	Information Technology	PICT, Pune	M.E. (IT)
2018	1	BE	Information Technology	YCMOU	MBA

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2

CAT	1
GRE	2
Any Other	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
Sipna Idol (Umang – Cultural Fest of Sipna)	Intra College	25
Variety Entertainment (Umang – Cultural Fest of Sipna)	Intra College	30
Dance (Umang – Cultural Fest of Sipna)	Intra College	18
Surila Safar (Umang – Cultural Fest of Sipna)	Intra College	20
Cricket (Sports Week of Sipna in Umang)	Intra College	44
Badminton (Sports Week of Sipna in Umang)	Intra College	12
Kho-Kho (Sports Week of Sipna in Umang)	Intra College	48
Kabaddi (Sports Week of Sipna in Umang)	Intra College	44
Football (Sports Week of Sipna in Umang)	Intra College	40
Volley Ball (Sports Week of Sipna in Umang)	Intra College	36

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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
2018	Colour Coat	National	1	Nill	14BE0114	Mr. Vedant Tirathkar
2018	Colour Coat	National	1	Nill	17BE0365	Ms. Samruddhi Dahake
2018	Colour Coat	National	1	Nill	15BE0526	Mr. Pratik Bandabuche
2018	Colour Coat	National	1	Nill	17BE0340	Ms. Rucha Deshmukh

2018	Colour Coat	National	1	Nill	17BE0293	Mr. Rohit Devikar
2018	Colour Coat	National	1	Nill	16BE0608	Miss Rajeshwari Gomase
2018	Colour Coat	National	1	Nill	15BE0767	Miss Arti Zoad
2018	Colour Coat	National	Nill	1	15BE0280	Miss Aafrin Ali
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

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

5.4 – Alumni Engagement
5.4.1 – Whether the institution has registered Alumni Association?
Yes

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

5.4.2 – No. of enrolled Alumni:
723

5.4.3 – Alumni contribution during the year (in Rupees) :
100000

5.4.4 – Meetings/activities organized by Alumni Association :
2

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 deputes staff members for various sports events as team managers. The team managers call for the names of the students interested in respective sport or game by circulating notices amongst the college students. The team managers make available required facilities for the respective sports type and arrange practice sessions for final selection of the teams. The team managers arrange match practice sessions for the selected team members of their respective sports events. The team managers accompany the teams during matches and look after all the necessary requirements of their team. 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
Curriculum Development	IQAC 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.
Teaching and Learning	Academic calendar is prepared well before the commencement of every semester of academic year.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 therefore, 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	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 41355 books belonging to courses run by the college. These books comprise of text, reference and rare books, UG, PG, PhD dissertation reports. Reading Room and Audio-visual section is available. The college has taken effort to digitalize its library. The Librarian goes through the Newspapers and collect relevant news items related to education and employment opportunity, socio cultural issues, current issues and displays Campus is Wi-Fi enabled and has 70 Mbps internet for the benefit of staff and students. Again, Institute has all infrastructure facility as per the norms of AICTE, New Delhi.
Industry Interaction / Collaboration	The Institution has signed MOUs with 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

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

E-governace area	Details
Planning and Development	The intuition has applied for NAAC Accreditation to achieve new heights in its academic performance. 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 self-financing. 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. H. R. Vyawahare	International Conference on Data Management, Analytics Innovations(ICDMAI-2018)	NIL	2750
2018	Ms. S. R. Gudadhe	International Conference (EECCM)	NIL	3250
2017	Mr.G.S.Thakare	3rd International Conference on Computing,Communication ,Control and Automation(ICCBEA-2017),Technically Co-sponsored by- IEEE PUNE	NIL	3000

		SECTION, organized by Pimpri Chinchwad College of Engineering,Pune on 17th to 18th Aug 2017			
2017	Mr.P.A.Tijare	3rd International Conference on Computing,Communication ,Control and Automation(ICCBEA -2017),Technically Co-sponsored by-IEEE PUNE SECTION, organized by Pimpri Chinchwad College of Engineering,Pune on 17th to 18th Aug 2017	NIL		3000
2017	Mr.G.D.Gowind war	One week STTP on " Cyber Forensics and Information Security (CFIS-2017), sponsored by ISEA and TEQIP-III, organized by Department of Computer Engineering and IT College of Engineering, Pune, on 4th to 8th Dec 2017.	NIL		2000
2017	Mr.G.V.Dahake	One week STTP on " Cyber Forensics and Information Security (CFIS-2017), sponsored by ISEA and TEQIP-III, organized by Department of Computer Engineering and IT College of Engineering,	NIL		2000

		Pune, on 4th to 8th Dec 2017.		
2018	Mr.H.N.Datir	International Conference on Data Management ,Analytics Inno vation,organize d by ATSSs Institute of Industrial and Computer Management and Research(IICMR) ,Pune on 19th to 21st Jan 2018	NIL	2750

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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	Induction Program on Machine Learning Research M ethodologi es in Engi neering by Department of Informa tion Technology	Nill	23/04/2018	28/04/2018	2	Nill
2017	Digital Signal processing design issues in VLSI of image processing by Department of Electro nics Telec ommunicati on	Nill	26/09/2017	10/10/2017	60	Nill
2017	Nill	Training Program on	13/10/2017	13/10/2017	Nill	4

2017	Nill	Marshall Stability Apparatus			Nill	6
2017	Nill	Hands-on basic computer networking (LAN, WAN, and Switch Configuration) by Information Technology Department	18/09/2017	20/09/2017	Nill	6
2017	Nill	Handling of Google workspace (Google forms, spreadsheet, docs) and designing of E-content. (Boucher design, Poster design) by Department of Electronics Telecommunication Department	20/09/2017	22/09/2017	Nill	5

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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
Empowering Academic Excellence with an Overview of Industry 4.0	5	21/12/2017	23/12/2017	3
Digital Signal processing design issues in VLSI of image processing	24	26/09/2017	10/10/2017	15
Empowering	18	21/12/2017	23/12/2017	3

Academic excellence with an overview of industry 4.0				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
130	142	67	72

6.3.5 – Welfare schemes for

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

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.

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 funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NIL	0	NIL

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6.4.3 – Total corpus fund generated

0

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 2017-2018 , two Parents meet were conducted in which 160 Parents were present.

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

1.Training Program on Marshall Stability Apparatus. 2.Hands-on basic computer networking (LAN, WAN, and Switch Configuration) by Information Technology Department 3.Handling of Google workspace (Google forms, spreadsheet, docs) and designing of E-content. (Boucher design, Poster design) by Department of

Electronics Telecommunication Department

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

Institute was not Accredited by NAAC in an Academic Year 2017-18. Following are some initiatives of IQAC before accreditation. 1. UGC and AICTE are actively encouraging colleges and Universities to adopt at least 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 enroll 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 , NAAC. In view of this it has been planned to submit the application of NAAC and NBA . 3.Decision has been taken to form student 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
2017	IQAC Meeting No. 1	27/06/2017	27/06/2017	27/06/2017	18
2017	IQAC Meeting No. 2	02/08/2017	02/08/2017	02/08/2017	15
2017	IQAC Meeting No. 3	04/12/2017	04/12/2017	04/12/2017	13
2018	IQAC Meeting No. 4	02/04/2018	02/04/2018	02/04/2018	13
2017	Application for NAAC Accreditation	02/08/2017	02/08/2017	01/10/2017	142
2017	Collection of Students Feedback	02/08/2017	07/08/2017	12/08/2017	2310
2017	Collection of Students Feedback	02/08/2017	18/09/2017	23/09/2017	2340
2017	Parents Meet	02/08/2017	16/09/2017	16/09/2017	65
2017	Parents Meet	02/08/2017	23/09/2017	23/09/2017	95

| 2018 | Collection of Students Feedback | 02/08/2017 | 05/02/2018 | 10/02/2018 | 2230 |

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Samvaad an Expert Talk on Health, Beauty and Well Being of Working Women by Dr. Vaishali Gulhane	23/09/2017	23/09/2017	50	0
Awareness Rally for "Beti Bachao Beti Padhao" on the Occasion of "Women's Day"	08/03/2018	08/03/2018	250	50
One day workshop on "Self Defence" (Trainer: Mr. Asirwad Gajale and his team.)	08/03/2018	08/03/2018	300	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
The institute has installed 220 KW on-grid photo-voltaic Solar Power Plant at the rooftop of the buildings. The photo-voltaic Solar Power Plant of 60 kw was installed in January 2016. TEJOMAY – Solar Power Plant was inaugurated at the brilliant hands of Hon. Shri Madanji Yerawar, Energy Minister of State. The installation was added with 100 kw in August 2017.This 220 kw Solar Power Plant generates 880 kw (Units) per day. 30 percent of power requirement of the institute met by the renewable energy sources.

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	Number of initiatives taken to engage with and	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

	and disadvantages	contribute to local community					
2017	1	Nill	01/07/2017	141	Internship at NITI Ayog	Industrial Exposure	1
2017	1	Nill	24/07/2017	1	Internship at Bytron	Industrial Exposure	4
2017	1	Nill	22/08/2017	1	Field Training at Vinsar Infotech, ION Digital Zone Cityland, Amravati	Practical and Live Learning Experience	56
2017	1	Nill	28/09/2017	1	Industrial Visit to Tirupati Prestress Industry	Practical and Live Learning Experience	45
2017	1	Nill	04/10/2017	1	Industrial Visit to Construction Site of Residential Flat System, Amravati	Practical and Live Learning Experience	52
2017	1	Nill	12/12/2017	1	Industrial Visit to ISRO trivendrum	Practical and Live Learning Experience	75
2017	1	Nill	13/12/2017	1	Industrial Visit to Ultra-tech Cement Industry, Mohali, Chandigarh	Practical and Live Learning Experience	42
2017	1	Nill	16/12/2017	1	Industrial Visit to at NOVO Elixir	Practical and Live Learning Experience	72
2017	1	Nill	18/12/2017	1	Industr		75

017					ial Visit to Sea Blue Shipyard Ltd	Practical and Live Learning Experienc e	
2018	1	Nill	09/02/2 018	1	Industr ial Visit to Jadhao Steel Alloys Pvt. Ltd,MIDC Amravati	Practical and Live Learning Experienc e	45

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

Title	Date of publication	Follow up(max 100 words)
CODE OF CONDUCT AND ETHICS	19/06/2017	The institution regularly prepares the hand book and distributes to all the students at the beginning of every academic year.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga -Day	21/06/2017	21/06/2017	150
Blood Donation Camp	17/09/2017	17/09/2017	180
International Youth Skill Day	15/07/2017	15/07/2017	350
Visit to Old-Age Home	15/08/2017	15/08/2017	150
NSS Special Camp	11/12/2017	19/12/2017	100
Tree Plantation (100)	06/07/2017	06/07/2017	150

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

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

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best 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 eco-friendly 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 semi government 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 analyses the strengths and weaknesses of the students and help them to set the targets for next Semester and guides them for achieving the set targets. Teacher Guardian also helps the student to choose his/her area of interest other than studies and conduct regular meetings with students to know the problems faced by the student in and outside the campus and solves these problems by counselling.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.sipnaengg.ac.in/wp-content/uploads/2019/09/Best_Practices.pdf

7.3 – Institutional Distinctiveness

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

The institute focuses on technical education without ignoring role of individual towards environmental conservation. The institute is not only concerned about environmental health in the campus but also about the issues related to environmental awareness and social welfare outside campus. The measures are taken for 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

8.Future Plans of Actions for Next Academic Year

• Plan to get NBA Accreditation for remaining programmes. • Increase in intake capacity of research labs for 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 Industry Institute Interaction through Training 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. • The ED Cell of the college will be strengthened by providing some more financial assistance for nurturing budding entrepreneurs into viable Business Entrepreneurs • To increase the number of faculty having PhD qualification. • Publishing research papers with more emphasis on quality papers in indexed Journals • Submitting research proposals to various funding agencies. • Organizing International and National Conferences, Faculty Development Programmes, Workshop on Employability skills, Industrial Visit and Field Trips. • Construction and development of new Auditorium • Organization of Seminars/workshops on Personality Development of Non-teaching Staff. • Improving quality of admitting students, through various counselling and career guidance session.