



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

Sipna College of Engineering & Technology, Amravati

- Name of the Head of the institution

Dr. Sanjay M. Kherde

- Designation

Principal

- Does the institution function from its own campus?

Yes

- Phone no./Alternate phone no.

0721-2522341/2522342

- Mobile no

7507473232

- Registered e-mail

sipnaoffice@gmail.com

- Alternate e-mail

sanjaykherde@gmail.com

- Address

Sipna Campus, Infront of Nemani Godown, Badnera Road, Amravati

- City/Town

Amravati

- State/UT

Maharashtra

- Pin Code

444701

2.Institutional status

- Affiliated /Constituent

Affiliated

- Type of Institution

Co-education

- Location

Urban

- Financial Status **Self-financing**
- Name of the Affiliating University **Sant Gadge Baba Amravati University, Amravati**
- Name of the IQAC Coordinator **Dr. Ajay A. Gurjar**
- Phone No. **0721-2522341**
- Alternate phone No. **0721-2522342**
- Mobile **9511681053**
- IQAC e-mail address **prof_gurjar1928@rediffmail.com**
- Alternate Email address **agurjar73@gmail.com**

3.Website address (Web link of the AQAR (Previous Academic Year)

https://sipnaengg.ac.in/wp-content/uploads/2020/09/AQAR_2020-21.pdf

4.Whether Academic Calendar prepared during the year?

Yes

- if yes, whether it is uploaded in the Institutional website Web link:

<https://sipnaengg.ac.in/wp-content/uploads/2020/09/Academic-Calendar-2021-22.pdf>

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	A	3.05	2018	03/07/2018	02/07/2023

6.Date of Establishment of IQAC

16/12/2016

7.Provide the list of funds by Central / State Government

UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,

Institutional/Department /Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institutional 1	OBC, SBC & VJNT Welfare Department	DBT	2021-22	56867262
Institutional 1	Social Justice & Special Assitant Department	DBT	2021-22	25240304
Institutional 1	Tribal Development Department	DBT	2021-22	2693064
Institutional 1	Director of Technical Education	DBT	2021-22	11351470

8. Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC [View File](#)

9. No. of IQAC meetings held during the year **04**

- Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? **Yes**
- If No, please upload the minutes of the meeting(s) and Action Taken Report **No File Uploaded**

10. Whether IQAC received funding from any of the funding agency to support its activities during the year? **No**

- If yes, mention the amount

11. Significant contributions made by IQAC during the current year (maximum five bullets)

IQAC Strengthened Carrier Guidance and Placement Cell by focusing on training the students in technologies as per Industry requirement.

IQAC Motivated faculty members to submit the research proposals to various funding agencies and encouraged more faculties to register more IPR products.

IQAC Motivated the Students to do industrial Internship.

IQAC Promoted ICT usage in teaching learning process in various courses in all the academic programs of Engineering/Technology & Business Administration at both Undergraduate and Post graduate levels.

IQAC Motivated faculty members to Organize International and National Conferences, Faculty Development Programmes, Workshop, and development of sponsored laboratories.

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

Plan of Action	Achievements/Outcomes
Submission of Compliance of ENTC,CSE & IT Department to NBA.	Three programs(ENTC,CSE & IT) accredited for 3 years by the NBA, New Delhi consecutively for the third time
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.	Inspite of the unprecedented corona pandemic round the corner our students have achieved appreciation by getting pivoted positions in the corporate world. We have students with the best combination of talent, skills and attitude that adds up to great performance.350+ students got placed in different MNC's, 160+ company visited for campus drive, 360+ students got opportunity of internship in industry.
To Strengthen Industry Institute Interaction through IIICR Placement Cell.	30 Expert lectures by Alumni and Industry persons conducted by the Institute in online mode for students to know the updates of the technology required by the industry in current Scenario.
To increase the number of faculty having PhD qualification.	Four faculties received PhD degree during Academic Year 2021-22, and few are in the process of submission.
To encourage more faculty and staff members to register more IPR products.	2 patents granted , 2 copyrights registered , 7 patents filled by faculty members.
To Organizing International and National Conferences, Faculty Development Programmes, Workshop, and development of sponsored laboratories.	1. AICTE sponsored National level Conference on Multidisciplinary research and innovations, NCMRAI -21 organized by Department of Electronics & Telecommunication on 28th & 29th January 2022. 2. Modernization and Removal of Obsolescence(MODROB) Lab in Department of Electronics &

	<p>Telecommunication Engineering probably in the month of January 2022 inaugurated. 3. One Week AICTE-ISTE Induction/Refresher Program on "Artificial Intelligence and Machine Learning" organized by Information Technology Department from 13th to 19th January 2022. 4. Five days AICTE ATAL Sponsored Online FDP on "Virtual/Augmented Reality" organized by Department of Computer Science & Engineering during 29th Nov to 3rd Dec 2021. 5. National Conference on "Technology for Sustainable Rural Development" (NCTSRD) organized by Department of Mechanical Engineering on 23rd Oct 21.</p>
To encourage students to participate in various sports and cultural activities	<p>Seven students at institute received University Color Coat in Sports and in cultural events 1st prize in MIME, 1st prize in Western Solo Song, 1st prize in Western Group Song, Folk dance & 3rd prize in classical dance</p>

13. Whether the AQAR was placed before statutory body?

No

- Name of the statutory body

Name	Date of meeting(s)
Nil	Nil

14. Whether institutional data submitted to AISHE

Part A**Data of the Institution**

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14.Whether institutional data submitted to AISHE	

Year	Date of Submission
2021-2022	11/01/2023

15. Multidisciplinary / interdisciplinary

In order to develop the all-around capacities of the students - intellectual, aesthetic, social, physical, emotional, and moral in an integrated manner, the college is preparing to include multidisciplinary subjects as per the National Educational Policy 2020. Keeping in view the problems faced by the students, the college is planning to set up short-term and vocational courses. The aim is to make the students equipped so that they do not need to rely on Government jobs but instead pave the way towards self-employment. As the College is preparing itself to have more multi-disciplinary subjects it tries to identify the program learning outcomes along with courses and unit learning outcomes that define the specific knowledge, skills, attitudes, and values that are to be acquired by the learner and would ensure that each program achieves its goal.

The core focus of NEP 2020 in higher education is to produce good, thoughtful, well-rounded, and creative individuals. These can be accomplished through higher education by providing an environment for the holistic development of individuals where the skill set of individuals can be identified and nurtured by adding human and social values. NEP 2020 recommends this can be achieved by having multidisciplinary colleges and universities offering multidisciplinary UG programs. It also insists on 21st-century skills among the learners. It also suggests having revamped in curriculum, pedagogy, assessment, and support systems of higher education.

Sipna College of Engineering & Technology (SCOET) is a Self-financing College, affiliated with Sant Gadge Baba Amravati University, (SGBAU) Amravati, is proud to distinguish as an academic teaching institution and delivers a quality interdisciplinary & multidisciplinary engineering education in accordance with the curriculum framework by the SGBAU. Through this, the institution will imbibe SGBAU curriculum integration of essential subjects, skills and capacities, conceptual understanding, and emphasize integrative learning, critical thinking, creative problem solving, life-skills to the students. SGBAU has introduced many changes in the curriculum structure, teaching-learning process, assessment procedures to stay relevant and minimize the gap between Institution - Industry. SCOET to

fulfill the Multidisciplinary Aspiration of NEP 2020, along with Open Electives and Professional Electives, The Management of the institution in accordance with the AICTE model curriculum, SGBAU, and the Government of Maharashtra embraces the transformation in a continuous way and hence adopts the transformation to respond to new challenges to ensure better outcomes.

At Present, we have Five Undergraduate programs, five Post Graduate Programmes, and 5 Research Programmes. The Parent Institution is running a number of Multi-disciplinary College's i.e., Architecture, Arts, Commerce, and Science subjects. Academic collaboration with the established multidisciplinary sister branches is also possible. Such a blend of core subjects and an interdisciplinary approach will help students to shape their career options. The total enrolment of students is more than 2700 in our college. So, it is possible for us to transform the institute into a Teaching University as proposed in NEP 2020. The curriculum has wide scope for multidisciplinary/trans-disciplinary settings through honors and minors. A few courses are already introduced giving scope for the students on Environment & Sustainability, and initiatives are in progress to introduce B. Tech. (Minor) with specialization in IoT, Artificial Intelligence and Machine Learning, Electric Vehicle Technologies, Smart Grid, VLSI, Liberal Arts, Statistics, Personal Management, and General Management. This gives a chance to the interested students to register and undertake courses from other disciplines and makes them come out as graduates with multidisciplinary skill sets. Another feature of the curriculum is the introduction of courses focusing on human and social values in the form of mandatory courses every semester starting from the second year. With respect to pedagogy, the institute had the foresight by adopting flipped classroom model, a form of blended learning, by deploying a learning management system (LMS). This enables the digitization of resources that helps teachers to deploy flipped classrooms. Also, the teachers are well educated in identifying the appropriate learning strategies for the courses they are teaching during the preparation of the course plan itself. This also ensures that appropriate ICT tools are used to engage different types of learners in every academic activity. With respect to assessment, a few innovative strategies are deployed. Also, for skill-oriented courses, video assessments are deployed so as to enhance the presentational and oral communicational skills of learners. So, as a whole, the institute is taking care in every step of academic activity to incorporate elements that help to accomplish the requirements of NEP 202

- Institute will organize to integrate humanities and science with STEM, for example by arranging presentations and lectures by resource persons to inculcate basic scientific knowledge among related students.
- The institution offers flexible and innovative curricula that include credit-based courses and projects in the areas of community engagement and service, environmental education, and value-based education, as for example Yoga-day celebration, Human Rights Day celebration, Women's Day celebration, Road safety awareness program, Environment Day celebration, etc.
- The institute will offer liberal education which can unlock all human capacities-intellectual, aesthetic, social, physical, emotional, and moral values in an integrated manner.
- The institution plans to find out the problems prevailing among the people in our society and aims to solve these problems by organizing various meetings and awareness campaigns.

16.Academic bank of credits (ABC):

The pedagogical approach of the institution is student-centric where the faculties' pedagogical approaches are constructivist, inquiry-based, reflective, collaborative, and integrative. Summative and Formative assessments and assignments are used to evaluate the student's learning outcome. The Institution will adopt these relevant online courses to appropriate programs to enhance the student's skill competence and prepare for the eligibility to have the benefit of Academic Bank of credits in accordance with the SGBAU.

Being affiliated with Sant Gadge Baba Amravati University, Amravati, our college is bound to follow the courses, syllabi, and other rules & regulations of the affiliating University. Though, the institute is registered as SWAYAM/NPTEL Local Chapter. The students are encouraged to enroll in online courses from where the students may earn credits from renowned HEIs. Owing to the implementation of the National Education Policy, the affiliating University has already taken initiatives to introduce Credit Based System at the Under-Graduate level and started implementing in a phase-wise manner at the Undergraduate level. The Academic Bank of Credits (ABC) would provide a digital platform for students for credit recognition, credit accumulation, credit transfers, and credit redemption. The initiative undertaken by the affiliating University is at the

preparatory phase.

17.Skill development:

The vision of the college is to promote Value-Based Quality Education; hence the college takes efforts to inculcate positivity among the learners. In view of the fast-changing technological developments, the students, faculty, and staff of the institution need reskilling. The institution believes that skills like creative/critical thinking, problem-solving ability, etc. are going to be the challenges of future years. Newly emerging this year are skills in self-management such as active learning, resilience, stress tolerance management, and flexibility. The institution tries to reskill/upskill the individuals in unprecedented numbers, deploy precision safety nets, and to create bespoke maps that orient the students towards the jobs of tomorrow where they will be able to thrive. The institution has numerous functional MOU's with various companies, professional bodies, and organizations to develop the skills to fill the gaps between the industry and academia. The institution promotes the student and the faculty to learn a new skill set in an increasingly accessible through digital technologies.

The affiliating university initiated the implementation of a learning outcome-based curriculum framework for the UG program which is consistent with the objectives of NEP for fostering quality education. It includes the translation of academic research into innovations for practical use to socio-economic development. The involvement of public and private sector investment in higher education will develop alternative learning modes such as open and distance learning modes. The introduction of MOOCs will help students to develop their skills. By introducing Project work, summer training programs, internships, and industrial training programs, the bench skills of the students will be enhanced. The Institute is focusing on courses that encompass Basic Skill building, Sector-Specific training, Pre-Employment training, and allied activities. The institute has a number of programs and courses, the students have a large amount of flexibility in choosing individual curricula, and certain subjects.

18.Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

The institution encourages the students and faculty to learn the

online courses offered by premier institutions of the country to enhance their skills. The institution shall adopt the NEP 2020, which envisions an educational system fashioned along the lines of India's profuse linguistic, cultural, and artistic heritage.

Teachers are encouraged to prepare subject material and translate vocational courses and value-added online courses into the regional language. Teachers are suggested to write scientific articles in the local newspapers and deliver popular science lectures in the regional languages. The courses will be designed for the promotion and improvement of local skills in the local language. The regional and local arts and crafts are promoted through the entrepreneurship cell of the college.

19.Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The College makes an effort to understand that the pursuit of knowledge is a life-long activity and to acquire a positive attitude and other qualities which will lead students to a successful life. To interpret, analyze, evaluate, and develop responsibility and effective citizenship is one of the program outcomes of the students.

New Education Policy (NEP-2020) has focused on experiential, application-based learning, and research-based internship in the stream of Science, Technology, Engineering, Art & Design, and Mathematics (STEAM). As a part of holistic and all-encompassing education, students will be given internship opportunities in local industries and businesses. Local communities as well as research will improve students' employability. Ph.D. students and faculty members are encouraged to undertake high-quality outcome-based research so as to produce Intellectual Property (Patents and Copyrights). Students are encouraged to participate in various Tech-Fests, Science Fairs, Innovation, Competition, etc. for exploring the practical side of their learning and promoting innovation among students. The research internships with faculty and researchers at their own or other HEIs/research institution for undertaking product-based research will improve their employability and entrepreneurship. The institute has been making efforts for program outcomes, program-specific outcomes, and course outcomes.

SGBAU Regulations governing the UG, and PG Degrees are under the Outcome-Based Education and Choice-Based Credit System (CBCS). The institution strictly follows the guidelines and regulations of the SGBAU in the curriculum. The institution

adheres to the National Board of Accreditation norms to prepare outcome-based education in PEO's, PSO's and course outcomes. The institution aims to follow the outcomes-based education as to 1. Help formulate graduate attributes, qualification descriptors, program learning outcomes, and course learning outcomes that are expected to be demonstrated by the holder of a qualification; 2. Enable prospective students, parents, employers, and others to understand the nature and level of learning outcomes (knowledge, skills, attitudes, and values) or attributes a graduate of a program should be capable of demonstrating on successful completion of the program of study; 3. Maintain national standards and international comparability of learning outcomes and academic standards to ensure global competitiveness, and to facilitate student/graduate mobility; and 4. Provide higher education institutions with an important point of reference for designing teaching-learning strategies, assessing student learning levels, and periodic review of programs and academic standards.

20.Distance education/online education:

NEP emphasized distance education / online education which expands the access to education and training for employed students. Its' flexible schedule reduces the effects of the time constraints imposed by personal responsibilities and commitment. The Institute has already started working on these aspects. ICT-based facilities are created for imparting online education. Teachers are encouraged to create online add-ons and skill-based courses. Teachers are suggested to develop e-content and online teaching material. To cope with advanced teaching skills and to understand current online teaching trends, teachers are motivated to participate in advanced pedagogy training programs. The institute is registered as SWAYAMNPTEL Local Chapter. The students are encouraged to enroll in the SWAYAM-NPTEL courses from where they can earn credits from renowned HEIs. Students and Teachers are registered and complete SWAYAM and NPTEL courses. The institute started an online certificate course and planned to start other skill development courses through online mode.

The institution proposed plans for online education in the near future shall penetrate in the following form: 1. To offer skill-oriented programs 2. To offer an online academic program as approved by the UGC/Distance Education Council 3. Education program customized or generic programs in emerging knowledge to enhance the skills/knowledge 4. The Learning and Development Centers of the corporates offer general/specific technology-

driven online programs for the students as a part of reskilling strategies. 5. To adopt the online courses of world-class universities as a credit course for the students to understand the new knowledge in emerging areas. 6. Employability skills offered to the students to make them ready for employment.

The College is also preparing itself to offer vocational courses through ODL (Open Distance Learning) mode in due course of time. Keeping in view the convenience of the student, the various technological tools used by the faculties especially during the pandemic lockdown are Google Classroom, Zoom, Google, using videos as teaching and learning aids, Group collaboration and interaction, and assignment and revision, as well as the assessments, have been conducted are some of the institutional efforts towards blended learning.

Extended Profile

1.Programme

1.1	11
Number of courses offered by the institution across all programs during the year	

File Description	Documents
Data Template	View File

2.Student

2.1	2710
Number of students during the year	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.2	2067
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File
2.3	738
Number of outgoing/ final year students during the year	
File Description	Documents
Data Template	View File
3.Academic	
3.1	140
Number of full time teachers during the year	
File Description	Documents
Data Template	View File
3.2	129
Number of sanctioned posts during the year	
File Description	Documents
Data Template	View File
4.Institution	
4.1	43
Total number of Classrooms and Seminar halls	
4.2	560.5832
Total expenditure excluding salary during the year (INR in lakhs)	
4.3	1086
Total number of computers on campus for academic purposes	

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Since the institute is affiliated to Sant Gadge Baba Amravati University, institute implements the curriculum of the University. Dean Academics prepares the academic calendar in line with academic calendar notified by University for effective implementation and delivery of curriculum.

HOD allots academic workload in consultation with the faculty, Dean Academics and Principal. Time table incharge of the department prepares the timetable as per workload for the academic session. Every faculty prepares the course file, teaching plan and gets it approved from HOD before the commencement of the semester. Attendance of the students during Theory and Practical sessions is recorded by respective subject faculty members.

All HODs make sure about conduction of classes and practical sessions of the department as per scheduled timetable. Sessional exams are conducted periodically, and its results is displayed and discussed with the students in the class room. Periodical meetings of HODs are held with the Principal to take review and discuss the curriculum delivery. Assignments, seminars, and project are given to the students under the supervision of the faculty. Learning beyond syllabus is achieved by arranging guest lectures. Remedial coaching is given to slow learners. Academic progress is reviewed by HOD, Dean Academics and Principal periodically.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://sgbau.ac.in/pages/pdf/Extra-Ordinary%20Notification%20%20No.%2079%20of%202021.pdf https://sipnaengg.ac.in/wp-content/uploads/2020/09/Academic-Calendar-2021-22.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Since the institute is affiliated to Sant Gadge Baba Amravati University, institute implements the curriculum of the University. Before the commencement of each semester, University notifies an academic calendar for all the programs, which contains the date of

commencement, last working day of the semester, and dates for semester-end examinations. Dean Academics compiles the inputs received from the various departments and a comprehensive plan is prepared at the beginning of each semester in line with the University's calendar consisting of various curricular, extra, and co-curricular activities. The calendar is uploaded on college website, displayed on notice boards, and is communicated to students & teachers. It is updated and revised with respect to any changes suggested by the university. All the classes and examinations are planned as per the calendar, thus ensuring complete adherence.

The students' academic progress is monitored regularly by adopting the strategy of continuous internal evaluation, seminars, project work, unit test and semester examinations. The review of internal assessment is taken by the Principal regularly. Every department has to submit the compliance of the academic calendar as part of their annual submissions. In addition, the internal audit conducted which ensures the compliance to verify with documentary evidence.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Academic-Calendar-2021-22.pdf https://sgbau.ac.in/pages/pdf/Extra-Ordinary%20Notification%20%20No.%2079%20of%202021.p df

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.

Academic council/BoS of Affiliating University Setting of question papers for UG/PG programs Design and Development of Curriculum for Add on/ certificate/ Diploma Courses Assessment /evaluation process of the affiliating University

B. Any 3 of the above

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

11

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

9

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year

396

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Our Institution integrates Cross-cutting issues of the society like Moral Values, Human Values, Professional Ethics, Ethical Values Gender Equality, Environmental Awareness, which are inseparable part of our curriculum. The courses on environment and sustainability, human values and professional ethics are embedded in the curriculum of all programs.

1.Values & Ethics (HS):

A course on human values," Values & Ethics " is offered as Subject to the students during the programme of study to create an awareness on Engineering Ethics and Human Values, to understand social responsibility of an engineer & to appreciate ethical dilemma while discharging duties in professional life.

2.Environment studies:

The course "Environment studies" related to ecosystem, its balance & sustainability is an integral part of the curriculum of the second year. University prescribed this course for creating awareness and developing the importance of environment and the importance of ecosystem to human life among students. Institute has a nature club which conducts number of activities on various aspects of environment sustainability

3.Business Ethics:

The course "Business Ethics" is included in the curriculum of MBA to acquaint the students with ethical values and practices with emphasis on Indian Values and Culture.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

11

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

854

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the syllabus and its transaction at the institution

A. All of the above

from the following stakeholders Students
Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Student-Satisfaction-Survey-2021-22_compressed.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Student-Satisfaction-Survey-2021-22_compressed.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

812

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of supernumerary seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

514

File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners

Institute has a streamlined mechanism for continuous monitoring and evaluation of the students. We identify students as slow learners and advanced learners on the basis of class interaction & Sessional Exam performances. Through a mentor-mentee system also we are identifying the slow learners & advance learners.

Strategies adopted for facilitating Slow Learners: We at the institute, give emphasis on improving the performance of slow learners by providing remedial classes. Extra classes are conducted for students who have failed in the exam where the faculty spares time to sit with those students individually to cope up with the subject. Through a mentor-mentee system also all kinds of support are provided to the slow learners.

Strategies adopted for facilitating Quick Learners: Quick learners are identified through their performance in examinations, interaction in class room and laboratory, their fundamental knowledge, concept understanding and articulation abilities etc. Advanced learners are given opportunities to be part of innovative projects and other technical initiatives of the institute. The toppers of each class are appointed as Class Representatives. They are given the opportunity to participate in Hackathons, Paper Presentations, Project Competitions and participate in Summer Projects and Internships. We encourage advanced learners to conduct workshops and seminars.

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2709	140

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

In addition to traditional teaching-learning methods, the institute is highly interested in providing innovative methods for enriching the learning experience. Institute provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behavior in the correct manner which stimulate the creative ability of students. The institute organizes annual technical fest, "VIDYOTAN" in which students showcase their learning in the form of innovative projects. Also, students are motivated to participate in inter college as well as national level competitions. Faculty members make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods.

1. **Experiential Learning:** Each department conducts Laboratory Sessions, add-on programs, Certification Courses, Industrial Visits, Summer Internship to support students in their experiential learning.

2. **Participatory Learning:** Students are encouraged to participate in various activities such as seminar, group discussion, wall papers, projects, and the skill based add on courses where they can use their specialized technical or management skills.

3. **Problem-solving methods:** Departments encourage students to acquire and develop problem-solving skills. For this, institute organizes expert lectures on various topics, motivate students to join MOOC courses, participate in various inter-college and intracollege technical fests and other competitions.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Institute has state of the art IT infrastructure in campus with 5 Servers which are used to host Learning Management System, College ERP, Feedback Management System etc. The entire campus including labs, classrooms, library, offices of all Departments and hostels is Wi-Fi enabled. All classrooms and seminar halls are equipped with LCD Projector & LAN connectivity. The faculty uses various ICT enabled tools to enhance the quality of teaching-learning like:

1. Google classroom is used to manage and post course related information- learning material, quizzes, lab submissions and evaluations, assignments, etc.

2. Virtual labs are used to conduct labs through simulations.

3. Lab manuals are mailed to students well in advance the experiment is performed.

4. To teach analytical subjects in online mode, teachers have used various online tools like- whiteboard.

5. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process.

6. Students are counseled with the help of Zoom / Google meet applications.

7. Recording of video lectures is made available to students for long term learning and future referencing.

8. Institute holds LMS to distribute course materials and conduction of online test. Students can discuss their difficulties with their Teachers and share information using LMS

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

140

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

140

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

48

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1530

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

To ensure transparency in an internal assessment, the mechanism of internal assessment is communicated with the students well in time. The Principal holds meetings of the faculties and directs them to ensure effective implementation of the evaluation process.

The Students are assessed continuously through various evaluation processes at institute and University level. The Continuous evaluation is made through Group Discussion, Sessional examinations, Oral Examinations, Assignments Submission, Field Visit / Field Work and Seminars Presentation. The Sessional examinations are conducted regularly, and the performance of the students is exhibited on the Notice board and communicated to the students.

The schedule of internal assessment for laboratory courses, seminars, and projects are conveyed through the notices to the

students well in advance. The question papers for theory assessment are prepared at the department level. The quality of question papers is checked and approved by concerned department advisory committee. The result of sessional exam being analyzed and discussed with concern faculty by respective authorities and comparative evaluation of student's performance is carried out. For assessment of seminars and project, faculty coordinator prepares a schedule of presentation of students in slots in consultation with the Head of Department and is communicated to students.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time- bound and efficient

A transparent, time-bound, and efficient method is being followed in terms of dealing with internal examination related grievances. The Various internal examinations such as Sessional Test Exams are being carried out throughout the semester, also continuous evaluation being done through Assignments, Seminars, Presentations, and viva etc. The Project evaluations are also being carried out periodically After conducting the unit test, the solution of the test along with question wise marking scheme is displayed on notice board to maintain transparency and uniformity in the assessment of the internal tests. The faculty evaluates the papers within a week of conduction of test. The evaluated answer sheets are shown to students in class and faculty undertakes individual grievances with a student on the paper if required by the student. At the end of the semester the average marks of both the unit-tests are calculated and verified with the students. If any discrepancies are reported by the students, then they are resolved by the faculty immediately.

Faculty evaluates assignments based on the rubric which is also shared with the students. The evaluated assignments are given back to students thus maintaining the transparency of the marks assigned to resolve grievances if any.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

The college has clearly stated learning outcomes of the Programs and Courses. The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students.

1. The HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors, course coordinators, program coordinators also inform the students and create awareness and emphasize the need to attain the outcomes.
2. Hard Copy of syllabi and POs, PSOs and COs are available in the departments for ready reference to the teachers and students.
3. The importance of the learning outcomes has been communicated to the teachers in department and College meetings.
4. The students are also made aware of the same through classroom interactions.
5. Workshops have also been conducted for developing the Programme Educational Objectives and Learning outcomes at college level.
6. Program Outcomes and Program Specific Outcomes are displayed on College Website (<http://www.sipnaengg.ac.in>), departmental notice boards, Laboratories notice boards, departmental entrance gate for students' access.
7. The detail guidelines of Program Outcomes and Program Specific Outcomes are given to students through departmental orientation events.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://sipnaengg.ac.in/wp-content/uploads/2019/11/PEOPOPSOAll-Brabches.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The Institute is affiliated to the Sant Gadge Baba Amravati University and follows the syllabus prescribed by University. The syllabus is framed and reformed regularly after discussions amongst industry and subject experts in meeting conducted by conducted by Board of Studies. Each subject faculty defines course objectives and course outcomes which are made available to the students by the course teacher at the beginning of each semester. The Program Specific Outcomes are defined through discussion by head of the department and faculty members and submitted to IQAC for approval. The Graduate attributes identified by National Board of Accreditation (NBA) for engineering program are used as Program outcomes. Faculty members correlates each course outcome with each Program Outcome. The Correlation level is defined as follows Slight (Low), Moderate (Medium), Substantial (High) & No relation.

An Attainments of COs are calculated by using internal and external (university) exam result. The Attainment levels are finalized in faculty meeting at institute level which depends on marks in University/internal examination.

For calculation of total Attainment for all courses, university and internal examination result given 80% & 20% weightage respectively. Finally, PO and PSO attainments are calculated by using total attainment and correlation level of course.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year**2.6.3.1 - Total number of final year students who passed the university examination during the year****628**

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Annual_Report_of_Pass_percentage_of_Students_during_the_year_2021-22.pdf

2.7 - Student Satisfaction Survey**2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)**

https://sipnaengg.ac.in/wp-content/uploads/2020/09/Student-Satisfaction-Survey-2021-22_compressed.pdf

RESEARCH, INNOVATIONS AND EXTENSION**3.1 - Resource Mobilization for Research****3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****2.94**

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**3.1.2.1 - Number of teachers recognized as research guides**

18

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://education.icar.gov.in/Univ_Details_New.aspx?Univ=IPJVGIMlufjxcnyaX4nEVhSrhbAKWssR https://msme.gov.in/

3.2 - Innovation Ecosystem**3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge**

Institute has created an ecosystem for Research and Innovation by recruiting and developing desirable human resource, taking initiative for creation and dissemination of knowledge, and establishing state of the art infrastructure. Faculty members are encouraged to undergo professional development programmes and to organize and participate in Conferences, Seminars, Workshops & Publishing Papers & Books. Leave is granted and financial support is provided to participate in India and abroad. Teaching and non-teaching staff are encouraged to enhance their qualifications and pursue part-time PhD programs. The institute has a well-defined

and published research promotion policy. Faculty members are encouraged and financially supported to guide research. Central facilities and Research Centres and Laboratories have been established that are accessible to all.

The institute has created an Entrepreneurship Development Cell (ED) for promoting innovation & entrepreneurship activities. Industry-Institute Interaction & Placement Cell facilitates interaction with industries and corporate establishments and organises campus placement activities for the eligible students. In addition to this institute has a Technology & innovation Club to create awareness, educate, nurture, and inculcate a culture of innovation amongst the engineering students. Thus, the Institution nurtures the eco-system created for innovations and incubates ideas for transferring knowledge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/entrepreneurshipdevelopment-cell/ https://sipnaengg.ac.in/i-i-i-c-r-cell/ https://sipnaengg.ac.in/in-house-projectdevelopment/ https://sipnaengg.ac.in/technology-innovation-club/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

10

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

17

File Description	Documents
URL to the research page on HEI website	https://sipnaengg.ac.in/phd-cell/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year

3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year

164

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year

3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year

56

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institute organizes several extension activities to promote institute-neighbourhood community to sensitize the students towards community needs. The college runs effectively National Service Scheme Unit, Social Activity Club & Nature Club. Through these units, the college undertakes various extension activities in the neighbourhood community.

NSS organizes a residential seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness , tree plantation ,water conservation through construction of Bandhara,road construction, Shramdan,Social interaction, Group discussion Eradication of superstition, Beti Bachao Beti Padhao, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Health check-up camp, Dental check-up camp, Personality development workshops, Veterinary guidance ,Farmers meet, Food and clothes distribution during natural calamity, Road Safety programs at different places of the city, Pan-Card, Passport Camp, Awareness about farmer's suicide etc. Social Activity Club is working with an objective to generate awareness about the contemporary social and environmental issues in the context of sustainability and social responsibility. Sipna nature Club provides platform for the students at institute to explore their love and care for nature and to make aware about the environmental harms and its importance among the society.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/social-activityclub/ https://sipnaengg.ac.in/nss/ https://sipnaengg.ac.in/nature-club/
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

47

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

8875

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

130

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

4

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institute encompasses a well maintained lush green campus spread over 11.25 acres of land ensuring adequate availability and optimal utilization of state-of-the-art infrastructure and

facilities for Teaching Learning process. The entire campus is Wi-Fi enabled and having internet facilities with available bandwidth of 520 MBPS.

Institute holds well-furnished, well ventilated, spacious classrooms equipped with LCD projectors & LAN connection for conducting theory classes. Separate tutorial rooms are there for tutorial lecture, doubt clarification and special remedial classes. All laboratories are well equipped with state-of-the-art equipment and facilities which are established as per AICTE norms. These labs are utilized for conducting practical classes as per the requirements of the curriculum. Labs are also utilized for technology learning & training as a part of teaching contents beyond the syllabus. Labs have sufficient licensed software and open-source tools to cater the requirements of curriculum & industry enabled teaching. The institute has multiple seminar halls which are regularly used for conducting seminars at the institute.

Institute holds a customized and configured MOODLE based Learning Management System which is used to distribute course material to the students. The central library is air-conditioned, spacious, and well-furnished. Excellent Resources are available for self-learning at Central library.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/computer-science-engineering/ https://sipnaengg.ac.in/electronics-telecommunication-engineering/ https://sipnaengg.ac.in/information-technology/ https://sipnaengg.ac.in/civil-engineering/ https://sipnaengg.ac.in/mechanical-engineering/ https://sipnaengg.ac.in/science-humanities/ https://sipnaengg.ac.in/library/

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Along with core courses and the continuous evaluation, the institute integrates sports and extra-curricular activities as

essential components. This is done not only for participation but also to motivate them as proactive students. The Institute has adequate facilities for indoor and outdoor sports and games. The total area of playground for the outdoor games is 10100.00 Sq.M and for indoor games is 273.20 Sq.M. In addition to this institute holds Stadium with seating capacity of 800. Intra college and inter college games and sports competitions are organized regularly every year for the students. Many students have represented at the University, National & International level competitions of various sports & are honored as the color coat holders. The institute also has well-equipped multi gym facility which is equipped with all the modern fitness instruments. NSS Unit and Yoga Centre also exists in the institute.

Institute has well equipped seminar halls for organizing annual functions and cultural events. Major cultural events are organized at the Auditorium which equipped with the most modern and acoustically designed audio-visual facilities having seating capacity of 600. Every year students participate in institute's Annual Social gathering and University level Youth festival in cultural events.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/gym-sport/ https://sipnaengg.ac.in/auditorium/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/computer-science-engineering/ https://sipnaengg.ac.in/electronics-telecommunication-engineering/ https://sipnaengg.ac.in/information-technology/ https://sipnaengg.ac.in/civil-engineering/ https://sipnaengg.ac.in/mechanical-engineering/ https://sipnaengg.ac.in/science-humanities/ https://sipnaengg.ac.in/library/
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year (INR in Lakhs)

4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)

315.6447

File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template)	View File

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Institute's Library plays an important role in acquiring, organizing, and disseminating of information. It is spread up in to two floors having a carpet area of 1244.53 Sqm. The central library is air-conditioned, spacious, and well-furnished. Excellent Resources are available for self-learning at Central

library. Library is segmented in Reference Section, Journal Section, Reading Hall, Digital library, etc. The library has collection of Textbooks, Reference, General and Rare-books, Journals, e-journal and CDs, LED TV etc. The Central Library has a rich collection of Textbooks, Reference Books and National/International Journals. Books are classified as per the Dewey Decimal Classification system (DDC 22nd Ed.). The Central Library is fully automated with SOUL 2.0 version, which is a local area network (LAN) based software containing modules such as, Administration, Acquisition, Catalogue, Circulation, OPAC. Automation was done with SOUL 1.0 version software which is updated with SOUL 2. in 2010-11.

Library have subscribed DELNET database which covers full text e-Journals, e-books, e-Thesis & Dissertation and many other online databases. Earlier the college was having the subscription of Elsevier Science Direct database which covered 275 full text e-Journals. Elsevier Science Direct provides access to e-Journals of Computer Science Engineering, Civil Engineering, Mechanical Engineering etc.

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://sipnaengg.ac.in/library/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e- journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

6.40004

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)**4.2.4.1 - Number of teachers and students using library per day over last one year****126.2**

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure**4.3.1 - Institution frequently updates its IT facilities including Wi-Fi**

Institute has state of the art IT infrastructure in campus with 7 Servers which are used to host Learning Management System, College ERP, Feedback Management System etc. Institute holds 1086 Computers and 26 Laptops for students and staff. Out of 1086 desktop computers, 750 Computers are used exclusively for students. The entire campus including labs, classrooms, library, offices of all Departments and hostels is Wi-Fi enabled and having 24/7 internet facilities with available band width of 520 MBPS out of which, 100 Mbps leased line from BSNL, 300 Mbps from Airtel and 120 Mbps is from supernet broadband . All classrooms and seminar halls are equipped with LCD Projector & LAN connectivity. Separate AV Hall with internet connectivity is available for webinars and live video lectures.

Institute carry out timely upgradation of IT Infrastructure. Every year budgetary provision is made for updating and upgradation of IT Infrastructure. As per the directions of AICTE institute is promoting the use of open-source software. During Covid pandemic all academic activities were completed in Online mode using IT

infrastructure. University Examinations during pandemic were taken using own LMS. Institute was physically closed but IT infrastructure was live 24X7 and hence all our students and staff achieved their academic goals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/computer-scienceengineering/ https://sipnaengg.ac.in/information-technology/

4.3.2 - Number of Computers

1086

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution A. ? 50MBPS

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)

4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)

294.25395

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

4.4.1 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. Care has been taken to keep the equipment's, machine 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 classrooms 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 incharge 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

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION**5.1 - Student Support****5.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year****5.1.1.1 - Number of students benefitted by scholarships and free ships provided by the Government during the year****2076**

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefitted by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year**5.1.2.1 - Total number of students benefitted by scholarships, free ships, etc provided by the institution / non- government agencies during the year****287**

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://lms.sipnaengg.ac.in/ https://sipnaengg.ac.in/audio-video-learning/ https://sipnaengg.ac.in/japanese-language-forum/ https://sipnaengg.ac.in/gym-sport/
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

4398

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

4398

File Description	Documents
Any additional information	No File Uploaded
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

350

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

9

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

2

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

15

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Students constitute a major stakeholder in the institutional growth. Utilization of the support and ideas of the students is the paramount requirement for the prosperity and well-being of the institute. Institute always strives to build a relation of mutual respect and inculcate a sense of pride amongst the students for their own institute. Students have active representation on academic and administrative bodies and committees of the Institute. Students are given exposure to involve in administrative, co-curricular and extracurricular activities by including them as members of the committees. They actively participate in committee meetings.

The following is the list of Committees having student representation and engagement.

1. Internal Quality Assurance Cell
2. Library Committee
3. Internal Complaints Committee
4. Canteen Committee
5. National Service scheme Committee
6. Sports Committee
7. Cultural Committee
8. Hostel Committee

9. Student Clubs

10. Departmental Student Forums

Institute has five Engineering disciplines & MBA program. Each branch in the institute has Student Forums whose representatives actively participate in various activities. They help in coordinating the events related to academics and other cocurricular & Extra-curricular activities, as per the directives of teaching faculty. They motivate other students to take part in the activities conducted by the Institute.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/art-craft-club/ https://sipnaengg.ac.in/cultural-club/ https://sipnaengg.ac.in/nature-club/ https://sipnaengg.ac.in/personality-development-club/ https://sipnaengg.ac.in/fitness-club/ https://sipnaengg.ac.in/technology-innovation-club/ https://sipnaengg.ac.in/entrepreneur-club/ https://sipnaengg.ac.in/competitive-exam-club/ https://sipnaengg.ac.in/readers-club/ https://sipnaengg.ac.in/social-activity-club/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

598

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Sipna Alumni Association, established in 2007, maintains a long-lasting connection between the institute and its strong alumni base spread across the world. It is run by an Executive Body consisting of President, Vice-President, Secretary, Joint-Secretary, Treasurer and Alumni members. A centralized Alumni Incharge carries out all the alumni activities in collaboration with different departmental alumni coordinators. This association has conducted various webinars and interaction sessions for students at institute, in order to bridge the gap between the university curriculum and expected company requirements and also organized various mock interviews with the help of alumni to enhance their interview facing skills. Alumni association also contributes to off-campus and in-campus placements by arranging various referral and placement drives through messages and mails received from various companies and sharing the same with alumni and students.

Dedicated volunteers work with the Alumni Association to develop an active alumni network which adds phenomenal value to institute. This helps to preserve its position as one of the world's premier institutes. The Alumni Association continues to seek innovative ways to serve alumni by providing social, educational, and professional opportunities that will appeal to our alums, their peers and extended network.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/alumni-association/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year D. 1 Lakhs - 3Lakhs (INR in Lakhs)

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision

To provide quality professional education and conducive environment to emerge as a model proficient institute.

Mission

- To create scholarly and vibrant environment for professional excellence.
- To contribute to advancement of knowledge in basic and applied areas of engineering and technology & management.
- To be an institute of choice in the region by developing, managing, and transferring contemporary technologies.
- To build mutually valuable terms with society, industry, and Alumni.

This is being translated through effective governance. Institute administration is headed by the Principal and is involved in coordinating the functions of the institute. HODs are authorized to monitor the routine functions at the departmental level.

Teachers carry out an important role in implementing the vision and mission of the institute and plays a proactive part in the

decision-making process. There are teacher representatives in various decision-making committees for curricular and cocurricular affairs and administrative functions of the institution. Teachers, through their interaction on these Committees can contribute in a significant way to the participatory ethos of the institution. Additionally, teachers discharge an energetically pervasive role as motivators and spearheads of cultural and socially conscious activities in the institution by steering the NSS unit, and different Students Clubs in the institute.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The Principal nominates incharge for Gymkhana portfolio who nominates the incharge for various sub-committees 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 deposes staff members for various sports events as team managers who call 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 also arrange match practice sessions for the selected team members of their respective sports events .

Incharge for NSS selects a unit of 200 students from amongst the aspirant students. The unit undertakes various activities during academic year. Annual Social Gathering 'UMANG' is a mega event conducted every year in the college. The incharge distributes responsibilities of various events to different faculty members for smooth organization.

One of the activities under Gymkhana is College Magazine; published by the Magazine Committee, 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.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/organizationchart/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Improvement in Placement Activities:

The Industry Institute Interaction & Corporate Relation Cell(III&CR) prepared an Action Plan to improve the placement activities which includes:

- Extracurricular activities like Mock Practices & Demonstrations on Group Discussion, Interview Techniques, Communication Skill, Personality Development & Aptitude Development is carried out throughout the year for third and final year students with the help of respective students' committees of the different Departments.
- Industry Institute Interaction is done through this IIICR cell which provides Industrial exposure to the students.
- In vacation period, implant training & industrial tour are organized by the cell through which the students get practical industrial experience.
- To fulfil the technical human resource demand of industry this cell continuously interacts with the industry and Alumina and organizes campus placement activities for the eligible students, through which students get final placement in the industry.
- To conduct Expert lectures by Industry to know the updates of the technology.

Institute has conducted 30 Expert lectures by Industry persons in online mode. Our students have achieved appreciation by getting pivoted positions in the corporate world. 350+ students got placed in different MNC's, 160+ company visited for campus drive, 360+ students got opportunity of internship in industry.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://sipnaengg.ac.in/placementinformation/ https://sipnaengg.ac.in/i-i-i-c-r-cell/
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Governing Body: A visionary Governing Body of the institute ensures the fulfillment of the policy statements and action plans in accordance with vision & mission of the institution. The Executive Committee decides broad policies about development of the institute. Moreover, the minutes of the local management committee are approved by the committee. The Governing Body ensures the fulfillment of the policy statements and action plans in accordance with Vision & Mission of the Institution and takes all executive decisions related to the institution through its Subcommittees.

Administrative Setup: The work environment in the institute is basically student centric, that makes each element highly responsible in the system. Involvement of each and everyone in the decision-making at their respective levels is ensured. Hence there are various institutional committees consisting of faculty and staff members. Transparency associated therein also forms an important feature of the work culture. The College administrative setup is headed by the Principal. The Principal is assisted by the Registrar & Office Administration, Degree Program Coordinators (BE, ME, MBA, PhD), Dean (Academics, Students Affair, Development & Planning, IIIC&R), HODs, Librarian, IQAC Coordinator & Publicity officer. The college has a Grievance redressal committee to address the grievances of all stakeholders.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Policy-Book-Sipna-COET-revised.pdf
Link to Organogram of the institution webpage	https://sipnaengg.ac.in/organization-chart/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user inter faces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc(Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Existing welfare measures for teaching and non- teaching staff

- Group Insurance scheme for Teaching and Non-Teaching Members.
- Gratuity Scheme implemented for Teaching and Non-Teaching Members.
- Paper presentation in International Conferences (Abroad) -50% of actual expenses including registration fee or Rs.15,000/- whichever less is paid.
- Paper presentation in International Conferences (India)-100% TA, 100% registration fee is provided (Max. Rs.5000/-).
- Paper presentation in National Conferences-50% TA, 100% registration fee is provided (Max. Rs.5000/-).

- Textbooks – The faculty who have written the textbooks (and also published) are rewarded by Rs. 5,000/-.
- Cash reward for faculty members who got more than 95% result in university examinations and by taking into consideration students' feedback.
- 100% Registration fee contribution for membership in one professional society.
- Salary advance, bank loans for health & education.
- College staff Credit Co-Op. 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.
- Maternity/Paternity/Study/Special Leave (in case of death of father/mother) for Teaching and Non-teaching staff Members
- Medical Clinic is available in the Campus. Free Consultations are provided by the Medical Officers and free treatment is also given including free medicines.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Policy-Book-Sipna-COET-revised.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

4

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year

6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)

6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the year

140

File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File

6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff

The performance appraisal is done at the end of every academic year based on the confidential report and parameters mentioned in the prescribed format for Performance Appraisal like engaging lectures, attendance of students, students' result, classroom planning & control, laboratory works, guidance & counseling, evaluation, learning resources development, participation in seminars/training, co-curricular activities, administrative functions (handling of portfolio).

The head of the department submits the self-appraisal form with his/her remarks to the Principal. The information (parameter-wise performance details) is furnished by the staff members. The Principal goes through the forms thoroughly and carefully and can change grading given by the HOD, if he feels so. The Principal initiates corrective measures, where necessary, for improvement in performance.

The performance appraisal of non-teaching staff is done based on his attendance, intelligence and understanding, discipline, devotion, punctuality, honesty & integrity, initiative, efficiency, etc. The head of the department furnishes his/her observations and submits the appraisal form to the Principal along with his/her remarks. The Principal goes through the HOD observations thoroughly and carefully and endows his remarks. The Principal initiates corrective measures, where necessary, for improvement in performance.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Self Appraisal Form -Faculty Staff 2020-21.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Financial audit of the accounts is an important process and is strictly followed by the institute. The college undergoes an internal audit conducted by the Chartered Accountant appointed by the institute. They verify and confirm all finance related

document. In case of query, documents are sent to IQAC of institute for clarification. All the process in the college is strictly monitored by the principal. The copies of the audit are also preserved in the college for records.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Audit-Report-2021-22_compressed.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

Nil

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Students' fee is the only source of revenue generation for the institution. Money grossed from the students' fees is utilized for salary expenditure and non- salary expenditure like repayment of liabilities, expansion of infrastructure, purchase of books and equipment, recurring expenditure, provision of funds for new courses or additional intake. Budgetary provisions are made for above expenditure heads based on priority by taking into consideration the accrued revenue available i.e., repayment of loan, salary expenditure, books and equipment, recurring expenditure etc. Provision of funds is made through bank loan in case funds accumulated through students' fess are found to be insufficient for budgetary provision.

Every financial year budgetary provision of ten percent additional fund for salary expenditure and recurring expenditure than preceding financial year is made. Requirement of equipment and books is submitted to the Principal every academic year by the heads of the departments and librarian. List of required equipment and books is put forth for discussion in the purchase committee meeting, where approval to purchase is obtained. Consolidated budget for all expenditure heads is prepared by the accounts section. Approval to the budget is granted by the Local Management Committee in its meeting and funds sanctioned are allocated.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Audit-Report-2021-22_compressed.pdf
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Following two practices are the results of IQAC initiatives.

1. **Academic Audit:** To enhance the quality of education the institute takes academic audit of each department every year through IQAC. At the beginning of academic session, IQAC takes the review of execution of academic activities of even semester for previous academic year and prepares the academic plan including seminar, workshop, training programs, placement activities, extension activity, collaboration, innovative and best practices, assignment, ICT based activity, students' competition, supposed to organize for better performance in the current academic session. The Committee evaluates plan submitted by the departments, twice in an academic session as per the academic plan & review their academic progress. The report of the committee is submitted to the IQAC and in the College Development Committee for discussion, suggestion, and approval.

2. **Implementation of Green practices in the campus:** The IQAC proposed to initiate various green practices to maintain eco-friendly college campus through the activities like Tree Plantation, Paperless Work, Plastic Eradication, Clean and Beautiful Campus, No Vehicle Day, Save Power, Paper Bag Workshop,

Awareness Program on Renewable Energy, and e- Waste Management. For the better implementation of green practices, IQAC distributed these activities to Nature Club in the institute.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/nature-club/ https://sipnaengg.ac.in/nss/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institution reviews it's teaching learning process, structure and methodologies of operations and learning outcomes at periodic intervals. Following are the two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC:

1. Student's feedback: Student's feedback on teaching learning process and evaluation significantly shows the quality of teaching learning process. The student's feedback is conducted as per the following norms:

a. All the students are allowed to give feedback on faculty, teaching learning process evaluation & infrastructure so that actual picture is ascertained.

b. After evaluating the feedback from students, the teacher if evaluated with low performance is instructed accordingly.

c. The whole process is being operated through IQAC. Suggestion boxes are also available for anonymous feedback to improve on the system practices.

2. Academic monitoring: The academic monitoring committee conducts regular visit to the classes regarding the regularity and punctuality of class work, keeps vigil on the completion of syllabus and ascertains information regarding the quantum syllabus completed and the teachers are informed to conduct the remedial classes and revision for the students wherever needed. The Committee is headed by Principal and comprises of HOD, Dean Academics, and Department Academic Coordinators (DAC).

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://sipnaengg.ac.in/wp-content/uploads/2020/09/AQAR_modified_Version_.pdf https://sipnaengg.ac.in/wp-content/uploads/2020/09/AQAR_2019-20.pdf https://sipnaengg.ac.in/wp-content/uploads/2020/09/AQAR_2020-21.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender Equity is the process of allocating resources, programs, and decision making fairly to both males and females without any discrimination based on sex and addressing any imbalances in the benefits available to males and females. The institute is totally unbiased in providing the opportunities in every sector to the personals. There is no discrimination done between male and female

students. Women's Grievance Committee considers complaints related to any sexual discrimination/harassment of women faculty or student in the institute. It also provides counselling and supportive services in the campus and promotes awareness about sexual harassment through educational initiatives that encourages and fosters a respectful and safe campus environment.

Annual gender sensitization action plan: The institute believes in the principle of equality. To promote the same message among the students and staff, Annual Gender Sensitization Action Plan is prepared in the beginning of the academic year. During the induction program, Girl Students are made aware about health, sanitation & hygiene and boys are also counselled. They are also made aware about the gender equality and the sense of being together for humanity is encouraged. Because of Pandemic institute was unable to conduct the regular activities for the promotion of gender equity.

File Description	Documents
Annual gender sensitization action plan	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Annual_gender_sensitization_action_plan_compressed.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.1.1_Specific_facilities_provided_for_women_compressed.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste

management Biomedical waste management E-waste management Waste recycling system
Hazardous chemicals and radioactive waste management

Solid Waste Management:

The solid waste in the campus is generated from various potential sources, such as Academic Buildings, Hostels, Canteen, Garden, etc. All the waste is managed by cleaning staff of the institute. Dustbins are placed at different locations in the campus, class rooms and laboratories. The waste is collected in hand carts and transported to the disposal sites. The sensitive solid waste such as invalid answer sheets of students are transported to the local vendor for shredding purpose under the supervision. Solid waste from canteen and campus is dumped in Municipal Corporation garbage box. Degradable waste is dumped into a pit which can be further used as manure for garden itself.

Liquid Waste Management:

Chemicals used for practical purpose are purchased as per requirement and are consumed during academic session itself. Solutions of the chemicals are prepared at maximum diluted level and are drained into the sink under running tap water.

E -waste Management:

The electronic components such as old invalid projects of final year students and damaged or old electronic circuits/kits/models are reused for making the new electronic devices/projects by the students. Damaged computers are sold to scrap vendor. UPS Batteries are exchanged with the suppliers.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting
Bore well /Open well recharge Construction

**of tanks and bunds Waste water recycling
Maintenance of water bodies and distribution
system in the campus**

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

B. Any 3 of the above

- 1.Restricted entry of automobiles**
- 2.Use of bicycles/ Battery-powered vehicles**
- 3.Pedestrian-friendly pathways**
- 4.Ban on use of plastic**
- 5.Landscaping**

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities

A. Any 4 or all of the above

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms.

Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment

5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Policy documents and information brochures on the support to be provided	View File
Details of the Software procured for providing the assistance	No File Uploaded
Any other relevant information	View File

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. To build a nation of youth who are noble in their attitude and morally responsible, the institute organizes and

conducted several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. To develop the emotional and religious feelings among the students and the faculty, commemorative days are celebrated on the campus with the initiative and support of the management to generate the feeling of oneness and social harmony. Motivational lectures of eminent persons of the field are arranged for all-round development of the students to make them responsible citizens.

Besides academic and cultural activities, institute has a strong infrastructure for a variety of sports activities for the physical development of the students. In this way the institute's efforts/initiatives in providing an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, and other diversities. NSS Unit of our college is always having a leading role in organising various programmes related to social issues organized by college

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Institute sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct as a responsible citizen. The institute hoists the flag during national festivals and patriotic songs are rendered by the students which inspire students and staff to emphasize the duties and responsibilities of citizens. The college establishes policies that reflect core values. Code of conduct is prepared for students and staff, and everyone should obey the conduct rules. The institution encourages participation of students in Sports and Games, and NSS at National level to strengthen nationwide bond and relation.

The institution takes many initiatives like conducting awareness

campaigns, organizing orientation programmes, training programmes, seminars, and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations. Ethical Values, rights, duties, and responsibilities of citizens are some of the topics that are enlisted in Elocution/ Debates activities. NSS unit is actively involved in conducting several activities for inculcating values for being responsible citizens. The affiliating University curriculum is framed with mandatory courses like Professional ethics and human values, Constitution of India, as a small step to inculcate constitutional obligations among the students.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.1.9_Sensitization_of_students_and_employees_of_the_Institution_to_the_constitutional_obligations_compressed.pdf
Any other relevant information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.1.9_Sensitization_of_students_and_employees_of_the_Institution_to_the_constitutional_obligations_compressed.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website. There is a committee to monitor adherence to the Code of Conduct. Institution organizes professional ethics programmes for students, teachers, administrators and other staff.

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

To maintain harmony and healthy work atmosphere and to make the learners aware of the national pride and rich cultural heritage, the National/International commemorative days like Republic day, Independence Day, Gandhi Jayanti, Dr Babasaheb Ambedkar Jayanti, Constitution Day, International Yoga day, Voters Day, National Youth Day etc, are regularly being celebrated and observed in the institute. Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these occasions and spread the message of Unity,

Peace, Love and Happiness throughout. NSS Unit of our college is always having a leading role in organising various programmes related to celebrating /organizing national and international commemorative days, events, and festivals in the institute. Due to the covid pandemic, the institute is closed for students. However, still, efforts have been made to conduct various important events either through skeletal staff or on virtual mode.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

1. TEJOMAY: 220 KW On-Grid Solar Power Plant:

As the yearly power consumption of the institute was more than Rs 40 lacs, we need to search for an idea which minimize the expenses on electricity as well as environment friendly. For the same we have planned for the on-grid solar power plant which not only cut down the electricity bill from MSEDC, but it also contributes towards the ecofriendly environment. The institute has installed 220 KW on-grid photo-voltaic Solar Power Plant at the rooftop of the buildings. TEJOMAY- Solar Power Plant was inaugurated at the brilliant hands of Hon. Shri Madanji Yerawar, Energy Minister of State.

2. Teacher Guardian Scheme:

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, keeps the trail of every student's day-to-day activity, 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.

File Description	Documents
Best practices in the Institutional website	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.2.1_Best_Practices_compressed.pdf
Any other relevant information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.2.1_Best_Practices_compressed.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 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. This is the only institute in the region, having certification for Environment Management System.

Since the initial days institute has followed the policy not to cut any tree while constructing the buildings. Existing trees are protected, and 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 roof-top solar electricity generation unit. Institute started with 60 kW on grid solar power plant and currently expanded to its capacity to 190 kW. No vehicle day" is observed every year in institute. Institute organizes an exhibition and sale of Clay Ganesha Idols to spread importance of having Eco friendly Ganesh idols. Students at institute delivered various environmental awareness lectures at various schools to make children aware about the environment.

Part B

CURRICULAR ASPECTS

1.1 - Curricular Planning and Implementation

1.1.1 - The Institution ensures effective curriculum delivery through a well planned and documented process

Since the institute is affiliated to Sant Gadge Baba Amravati University, institute implements the curriculum of the University. Dean Academics prepares the academic calendar in line with academic calendar notified by University for effective implementation and delivery of curriculum.

HOD allots academic workload in consultation with the faculty, Dean Academics and Principal. Time table incharge of the department prepares the timetable as per workload for the academic session. Every faculty prepares the course file, teaching plan and gets it approved from HOD before the commencement of the semester. Attendance of the students during Theory and Practical sessions is recorded by respective subject faculty members.

All HODs make sure about conduction of classes and practical sessions of the department as per scheduled timetable. Sessional exams are conducted periodically, and its results is displayed and discussed with the students in the class room. Periodical meetings of HODs are held with the Principal to take review and discuss the curriculum delivery. Assignments, seminars, and project are given to the students under the supervision of the faculty. Learning beyond syllabus is achieved by arranging guest lectures. Remedial coaching is given to slow learners. Academic progress is reviewed by HOD, Dean Academics and Principal periodically.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://sgbau.ac.in/pages/pdf/Extra-Ordinary%20Notification%20%20No.%2079%20of%202021.pdf https://sipnaengg.ac.in/wp-content/uploads/2020/09/Academic-Calendar-2021-22.pdf

1.1.2 - The institution adheres to the academic calendar including for the conduct of Continuous Internal Evaluation (CIE)

Since the institute is affiliated to Sant Gadge Baba Amravati University, institute implements the curriculum of the University. Before the commencement of each semester, University notifies an academic calendar for all the programs, which contains the date of commencement, last working day of the semester, and dates for semester-end examinations. Dean Academics compiles the inputs received from the various departments and a comprehensive plan is prepared at the beginning of each semester in line with the University's calendar consisting of various curricular, extra, and co-curricular activities. The calendar is uploaded on college website, displayed on notice boards, and is communicated to students & teachers. It is updated and revised with respect to any changes suggested by the university. All the classes and examinations are planned as per the calendar, thus ensuring complete adherence.

The students' academic progress is monitored regularly by adopting the strategy of continuous internal evaluation, seminars, project work, unit test and semester examinations. The review of internal assessment is taken by the Principal regularly. Every department has to submit the compliance of the academic calendar as part of their annual submissions. In addition, the internal audit conducted which ensures the compliance to verify with documentary evidence.

File Description	Documents
Upload relevant supporting document	View File
Link for Additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Academic-Calendar-2021-22.pdf https://sgbau.ac.in/pages/pdf/Extra-Ordinary%20Notification%20%20No.%2079%20of%202021.pdf

1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year. Academic

B. Any 3 of the above

**council/BoS of Affiliating University
Setting of question papers for UG/PG
programs Design and Development of
Curriculum for Add on/ certificate/
Diploma Courses Assessment /evaluation
process of the affiliating University**

File Description	Documents
Details of participation of teachers in various bodies/activities provided as a response to the metric	View File
Any additional information	View File

1.2 - Academic Flexibility

1.2.1 - Number of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

1.2.1.1 - Number of Programmes in which CBCS/ Elective course system implemented

11

File Description	Documents
Any additional information	No File Uploaded
Minutes of relevant Academic Council/ BOS meetings	View File
Institutional data in prescribed format (Data Template)	View File

1.2.2 - Number of Add on /Certificate programs offered during the year

1.2.2.1 - How many Add on /Certificate programs are added during the year. Data requirement for year: (As per Data Template)

9

File Description	Documents
Any additional information	View File
Brochure or any other document relating to Add on /Certificate programs	View File
List of Add on /Certificate programs (Data Template)	View File

1.2.3 - Number of students enrolled in Certificate/ Add-on programs as against the total number of students during the year**396**

File Description	Documents
Any additional information	View File
Details of the students enrolled in Subjects related to certificate/Add-on programs	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

Our Institution integrates Cross-cutting issues of the society like Moral Values, Human Values, Professional Ethics, Ethical Values Gender Equality, Environmental Awareness, which are inseparable part of our curriculum. The courses on environment and sustainability, human values and professional ethics are embedded in the curriculum of all programs.

1.Values & Ethics (HS):

A course on human values, "Values & Ethics" is offered as Subject to the students during the programme of study to create an awareness on Engineering Ethics and Human Values, to understand social responsibility of an engineer & to appreciate ethical dilemma while discharging duties in professional life.

2.Environment studies:

The course "Environment studies" related to ecosystem, its balance & sustainability is an integral part of the curriculum of the second year. University prescribed this course for creating awareness and developing the importance of environment and the importance of ecosystem to human life among students. Institute has a nature club which conducts number of activities on various aspects of environment sustainability

3.Business Ethics:

The course "Business Ethics" is included in the curriculum of MBA to acquaint the students with ethical values and practices with emphasis on Indian Values and Culture.

File Description	Documents
Any additional information	View File
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View File

1.3.2 - Number of courses that include experiential learning through project work/field work/internship during the year

11

File Description	Documents
Any additional information	View File
Programme / Curriculum/ Syllabus of the courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	No File Uploaded
MoU's with relevant organizations for these courses, if any	View File
Institutional Data in Prescribed Format	View File

1.3.3 - Number of students undertaking project work/field work/ internships

854

File Description	Documents
Any additional information	View File
List of programmes and number of students undertaking project work/field work/ /internships (Data Template)	View File

1.4 - Feedback System

1.4.1 - Institution obtains feedback on the	A. All of the above
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syllabus and its transaction at the institution from the following stakeholders
Students Teachers Employers Alumni

File Description	Documents
URL for stakeholder feedback report	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Student-Satisfaction-Survey-2021-22_compressed.pdf
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management	View File
Any additional information	View File

1.4.2 - Feedback process of the Institution may be classified as follows

B. Feedback collected, analyzed and action has been taken

File Description	Documents
Upload any additional information	View File
URL for feedback report	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Student-Satisfaction-Survey-2021-22_compressed.pdf

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment Number Number of students admitted during the year

2.1.1.1 - Number of students admitted during the year

812

File Description	Documents
Any additional information	View File
Institutional data in prescribed format	View File

2.1.2 - Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year (exclusive of

supernumerary seats)	
2.1.2.1 - Number of actual students admitted from the reserved categories during the year	
514	
File Description	Documents
Any additional information	View File
Number of seats filled against seats reserved (Data Template)	View File
2.2 - Catering to Student Diversity	
2.2.1 - The institution assesses the learning levels of the students and organizes special Programmes for advanced learners and slow learners	
<p>Institute has a streamlined mechanism for continuous monitoring and evaluation of the students. We identify students as slow learners and advanced learners on the basis of class interaction & Sessional Exam performances. Through a mentor-mentee system also we are identifying the slow learners & advance learners.</p> <p>Strategies adopted for facilitating Slow Learners: We at the institute, give emphasis on improving the performance of slow learners by providing remedial classes. Extra classes are conducted for students who have failed in the exam where the faculty spares time to sit with those students individually to cope up with the subject. Through a mentor-mentee system also all kinds of support are provided to the slow learners.</p> <p>Strategies adopted for facilitating Quick Learners: Quick learners are identified through their performance in examinations, interaction in class room and laboratory, their fundamental knowledge, concept understanding and articulation abilities etc. Advanced learners are given opportunities to be part of innovative projects and other technical initiatives of the institute. The toppers of each class are appointed as Class Representatives. They are given the opportunity to participate in Hackathons, Paper Presentations, Project Competitions and participate in Summer Projects and Internships. We encourage advanced learners to conduct workshops and seminars.</p>	

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

2.2.2 - Student- Full time teacher ratio (Data for the latest completed academic year)

Number of Students	Number of Teachers
2709	140

File Description	Documents
Any additional information	View File

2.3 - Teaching- Learning Process

2.3.1 - Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

In addition to traditional teaching-learning methods, the institute is highly interested in providing innovative methods for enriching the learning experience. Institute provides an effective platform for students to develop latest skills, knowledge, attitude, values to shape their behavior in the correct manner which stimulate the creative ability of students. The institute organizes annual technical fest, "VIDYOTAN" in which students showcase their learning in the form of innovative projects. Also, students are motivated to participate in inter college as well as national level competitions. Faculty members make efforts in making the learning activity more interactive by adopting the below-mentioned student-centric methods.

1. **Experiential Learning:** Each department conducts Laboratory Sessions, add-on programs, Certification Courses, Industrial Visits, Summer Internship to support students in their experiential learning.

2. **Participatory Learning:** Students are encouraged to participate in various activities such as seminar, group discussion, wall papers, projects, and the skill based add on courses where they can use their specialized technical or management skills.

3. Problem-solving methods: Departments encourage students to acquire and develop problem-solving skills. For this, institute organizes expert lectures on various topics, motivate students to join MOOC courses, participate in various inter-college and intracollege technical fests and other competitions.

File Description	Documents
Upload any additional information	View File
Link for additional information	Nil

2.3.2 - Teachers use ICT enabled tools for effective teaching-learning process. Write description in maximum of 200 words

Institute has state of the art IT infrastructure in campus with 5 Servers which are used to host Learning Management System, College ERP, Feedback Management System etc. The entire campus including labs, classrooms, library, offices of all Departments and hostels is Wi-Fi enabled. All classrooms and seminar halls are equipped with LCD Projector & LAN connectivity. The faculty uses various ICT enabled tools to enhance the quality of teaching-learning like:

1. Google classroom is used to manage and post course related information- learning material, quizzes, lab submissions and evaluations, assignments, etc.

2. Virtual labs are used to conduct labs through simulations.

3. Lab manuals are mailed to students well in advance the experiment is performed.

4. To teach analytical subjects in online mode, teachers have used various online tools like- whiteboard.

5. The PPTs are enabled with animations and simulations to improve the effectiveness of the teaching- learning process.

6. Students are counseled with the help of Zoom / Google meet applications.

7. Recording of video lectures is made available to students

for long term learning and future referencing.

8. Institute holds LMS to distribute course materials and conduction of online test. Students can discuss their difficulties with their Teachers and share information using LMS

File Description	Documents
Upload any additional information	View File
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View File

2.3.3 - Ratio of mentor to students for academic and other related issues (Data for the latest completed academic year)

2.3.3.1 - Number of mentors

140

File Description	Documents
Upload, number of students enrolled and full time teachers on roll	View File
Circulars pertaining to assigning mentors to mentees	View File
Mentor/mentee ratio	View File

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers against sanctioned posts during the year

140

File Description	Documents
Full time teachers and sanctioned posts for year (Data Template)	View File
Any additional information	No File Uploaded
List of the faculty members authenticated by the Head of HEI	View File

2.4.2 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.B Superspeciality / D.Sc. / D.Litt. during the year (consider only highest degree for count)

2.4.2.1 - Number of full time teachers with Ph. D. / D.M. / M.Ch. /D.N.C Superspeciality / D.Sc. / D.Litt. during the year

48

File Description	Documents
Any additional information	No File Uploaded
List of number of full time teachers with Ph. D. / D.M. / M.Ch./ D.N.B Super specialty / D.Sc. / D.Litt. and number of full time teachers for year (Data Template)	View File

2.4.3 - Number of years of teaching experience of full time teachers in the same institution (Data for the latest completed academic year)

2.4.3.1 - Total experience of full-time teachers

1530

File Description	Documents
Any additional information	No File Uploaded
List of Teachers including their PAN, designation, dept. and experience details(Data Template)	View File

2.5 - Evaluation Process and Reforms

2.5.1 - Mechanism of internal assessment is transparent and robust in terms of frequency and mode. Write description within 200 words.

To ensure transparency in an internal assessment, the mechanism of internal assessment is communicated with the students well in time. The Principal holds meetings of the faculties and directs them to ensure effective implementation of the evaluation process.

The Students are assessed continuously through various evaluation processes at institute and University level. The Continuous evaluation is made through Group Discussion, Sessional examinations, Oral Examinations, Assignments Submission, Field Visit / Field Work and Seminars Presentation. The Sessional examinations are conducted regularly, and the performance of the students is exhibited on the Notice board and communicated to the students.

The schedule of internal assessment for laboratory courses, seminars, and projects are conveyed through the notices to the students well in advance. The question papers for theory assessment are prepared at the department level. The quality of question papers is checked and approved by concerned department advisory committee. The result of sessional exam being analyzed and discussed with concern faculty by respective authorities and comparative evaluation of student's performance is carried out. For assessment of seminars and project, faculty coordinator prepares a schedule of presentation of students in slots in consultation with the Head of Department and is communicated to students.

File Description	Documents
Any additional information	View File
Link for additional information	Nil

2.5.2 - Mechanism to deal with internal examination related grievances is transparent, time-bound and efficient

A transparent, time-bound, and efficient method is being followed in terms of dealing with internal examination related grievances. The Various internal examinations such as Sessional Test Exams are being carried out throughout the semester, also continuous evaluation being done through Assignments, Seminars, Presentations, and viva etc. The Project evaluations are also being carried out periodically After conducting the unit test,

the solution of the test along with question wise marking scheme is displayed on notice board to maintain transparency and uniformity in the assessment of the internal tests. The faculty evaluates the papers within a week of conduction of test. The evaluated answer sheets are shown to students in class and faculty undertakes individual grievances with a student on the paper if required by the student. At the end of the semester the average marks of both the unit-tests are calculated and verified with the students. If any discrepancies are reported by the students, then they are resolved by the faculty immediately.

Faculty evaluates assignments based on the rubric which is also shared with the students. The evaluated assignments are given back to students thus maintaining the transparency of the marks assigned to resolve grievances if any.

File Description	Documents
Any additional information	No File Uploaded
Link for additional information	Nil

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

The college has clearly stated learning outcomes of the Programs and Courses. The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students.

1. The HODs create awareness on POs, PSOs and COs. The faculty members, class teachers, mentors, course coordinators, program coordinators also inform the students and create awareness and emphasize the need to attain the outcomes.

2. Hard Copy of syllabi and POs, PSOs and COs are available in the departments for ready reference to the teachers and students.

3. The importance of the learning outcomes has been communicated to the teachers in department and College

meetings.

4. The students are also made aware of the same through classroom interactions.

5. Workshops have also been conducted for developing the Programme Educational Objectives and Learning outcomes at college level.

6. Program Outcomes and Program Specific Outcomes are displayed on College Website (<http://www.sipnaengg.ac.in>), departmental notice boards, Laboratories notice boards, departmental entrance gate for students' access.

7. The detail guidelines of Program Outcomes and Program Specific Outcomes are given to students through departmental orientation events.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	https://sipnaengg.ac.in/wp-content/uploads/2019/11/PEOPOPSOAll-Branches.pdf
Upload COs for all Programmes (exemplars from Glossary)	View File

2.6.2 - Attainment of Programme outcomes and course outcomes are evaluated by the institution.

The Institute is affiliated to the Sant Gadge Baba Amravati University and follows the syllabus prescribed by University. The syllabus is framed and reformed regularly after discussions amongst industry and subject experts in meeting conducted by conducted by Board of Studies. Each subject faculty defines course objectives and course outcomes which are made available to the students by the course teacher at the beginning of each semester. The Program Specific Outcomes are defined through discussion by head of the department and faculty members and submitted to IQAC for approval. The Graduate attributes

identified by National Board of Accreditation (NBA) for engineering program are used as Program outcomes. Faculty members correlates each course outcome with each Program Outcome. The Correlation level is defined as follows Slight (Low), Moderate (Medium), Substantial (High) & No relation.

An Attainments of COs are calculated by using internal and external (university) exam result. The Attainment levels are finalized in faculty meeting at institute level which depends on marks in University/internal examination.

For calculation of total Attainment for all courses, university and internal examination result given 80% & 20% weightage respectively. Finally, PO and PSO attainments are calculated by using total attainment and correlation level of course.

File Description	Documents
Upload any additional information	View File
Paste link for Additional information	Nil

2.6.3 - Pass percentage of Students during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

628

File Description	Documents
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View File
Upload any additional information	View File
Paste link for the annual report	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Annual_Report_of_Pass_percentage_of_Students_during_the_year_2021-22.pdf

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire) (results and details need to be provided as a weblink)

https://sipnaengg.ac.in/wp-content/uploads/2020/09/Student-Satisfaction-Survey-2021-22_compressed.pdf

RESEARCH, INNOVATIONS AND EXTENSION**3.1 - Resource Mobilization for Research****3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)****3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)**

2.94

File Description	Documents
Any additional information	No File Uploaded
e-copies of the grant award letters for sponsored research projects /endowments	View File
List of endowments / projects with details of grants(Data Template)	View File

3.1.2 - Number of teachers recognized as research guides (latest completed academic year)**3.1.2.1 - Number of teachers recognized as research guides**

18

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	View File

3.1.3 - Number of departments having Research projects funded by government and non government agencies during the year**3.1.3.1 - Number of departments having Research projects funded by government and non-government agencies during the year**

1

File Description	Documents
List of research projects and funding details (Data Template)	View File
Any additional information	No File Uploaded
Supporting document from Funding Agency	View File
Paste link to funding agency website	https://education.icar.gov.in/Univ_Details_New.aspx?Univ=IPJVGIMlufjxcnyaX4nEVhSrhbAKWssR https://msme.gov.in/

3.2 - Innovation Ecosystem

3.2.1 - Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Institute has created an ecosystem for Research and Innovation by recruiting and developing desirable human resource, taking initiative for creation and dissemination of knowledge, and establishing state of the art infrastructure. Faculty members are encouraged to undergo professional development programmes and to organize and participate in Conferences, Seminars, Workshops & Publishing Papers & Books. Leave is granted and financial support is provided to participate in India and abroad. Teaching and non-teaching staff are encouraged to enhance their qualifications and pursue part-time PhD programs. The institute has a well-defined and published research promotion policy. Faculty members are encouraged and financially supported to guide research. Central facilities and Research Centres and Laboratories have been established that are accessible to all.

The institute has created an Entrepreneurship Development Cell (ED) for promoting innovation & entrepreneurship activities. Industry-Institute Interaction & Placement Cell facilitates interaction with industries and corporate establishments and organises campus placement activities for the eligible students. In addition to this institute has a Technology & innovation Club to create awareness, educate, nurture, and inculcate a culture of innovation amongst the engineering students. Thus, the Institution nurtures the eco-system created for innovations and incubates ideas for transferring knowledge.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/entrepreneurshipdevelopment-cell/ https://sipnaengg.ac.in/i-i-i-c-r-cell/ https://sipnaengg.ac.in/in-house-projectdevelopment/ https://sipnaengg.ac.in/technology-innovation-club/

3.2.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the year

3.2.2.1 - Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during the year

10

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
List of workshops/seminars during last 5 years (Data Template)	View File

3.3 - Research Publications and Awards

3.3.1 - Number of Ph.Ds registered per eligible teacher during the year

3.3.1.1 - How many Ph.Ds registered per eligible teacher within the year

17

File Description	Documents
URL to the research page on HEI website	https://sipnaengg.ac.in/phd-cell/
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template)	View File
Any additional information	View File

3.3.2 - Number of research papers per teachers in the Journals notified on UGC website during the year**3.3.2.1 - Number of research papers in the Journals notified on UGC website during the year****164**

File Description	Documents
Any additional information	No File Uploaded
List of research papers by title, author, department, name and year of publication (Data Template)	View File

3.3.3 - Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during the year**3.3.3.1 - Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during year****56**

File Description	Documents
Any additional information	No File Uploaded
List books and chapters edited volumes/ books published (Data Template)	View File

3.4 - Extension Activities

3.4.1 - Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the year

The institute organizes several extension activities to promote institute-neighbourhood community to sensitize the students towards community needs. The college runs effectively National Service Scheme Unit, Social Activity Club & Nature Club. Through these units, the college undertakes various extension activities in the neighbourhood community.

NSS organizes a residential seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness , tree plantation ,water conservation through construction of Bandhara,road construction, Shramdan,Social interaction, Group

discussion Eradication of superstition, Beti Bachao Beti Padhao, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Health check-up camp, Dental check-up camp, Personality development workshops, Veterinary guidance ,Farmers meet, Food and clothes distribution during natural calamity, Road Safety programs at different places of the city, Pan-Card, Passport Camp, Awareness about farmer's suicide etc. Social Activity Club is working with an objective to generate awareness about the contemporary social and environmental issues in the context of sustainability and social responsibility. Sipna nature Club provides platform for the students at institute to explore their love and care for nature and to make aware about the environmental harms and its importance among the society.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/social-activityclub/ https://sipnaengg.ac.in/nss/ https://sipnaengg.ac.in/nature-club/
Upload any additional information	View File

3.4.2 - Number of awards and recognitions received for extension activities from government / government recognized bodies during the year

3.4.2.1 - Total number of awards and recognition received for extension activities from Government/ Government recognized bodies year wise during the year

0

File Description	Documents
Any additional information	No File Uploaded
Number of awards for extension activities in last 5 year (Data Template)	View File
e-copy of the award letters	No File Uploaded

3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs) during the year

3.4.3.1 - Number of extension and outreach Programs conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the year

47

File Description	Documents
Reports of the event organized	View File
Any additional information	No File Uploaded
Number of extension and outreach Programmes conducted with industry, community etc for the during the year (Data Template)	View File

3.4.4 - Number of students participating in extension activities at 3.4.3. above during year

3.4.4.1 - Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year wise during year

8875

File Description	Documents
Report of the event	View File
Any additional information	No File Uploaded
Number of students participating in extension activities with Govt. or NGO etc (Data Template)	View File

3.5 - Collaboration

3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

3.5.1.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year wise during the year

130

File Description	Documents
e-copies of related Document	View File
Any additional information	No File Uploaded
Details of Collaborative activities with institutions/industries for research, Faculty	View File

3.5.2 - Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the year

3.5.2.1 - Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the year

4

File Description	Documents
e-Copies of the MoUs with institution./ industry/corporate houses	View File
Any additional information	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other universities etc during the year	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

The institute encompasses a well maintained lush green campus spread over 11.25 acres of land ensuring adequate availability and optimal utilization of state-of-the-art infrastructure and facilities for Teaching Learning process. The entire campus is Wi-Fi enabled and having internet facilities with available band width of 520 MBPS.

Institute holds well-furnished, well ventilated, spacious classrooms equipped with LCD projectors & LAN connection for conducting theory classes. Separate tutorial rooms are there for tutorial lecture, doubt clarification and special remedial classes. All laboratories are well equipped with state-of-the-

art equipment and facilities which are established as per AICTE norms. These labs are utilized for conducting practical classes as per the requirements of the curriculum. Labs are also utilized for technology learning & training as a part of teaching contents beyond the syllabus. Labs have sufficient licensed software and open-source tools to cater the requirements of curriculum & industry enabled teaching. The institute has multiple seminar halls which are regularly used for conducting seminars at the institute.

Institute holds a customized and configured MOODLE based Learning Management System which is used to distribute course material to the students. The central library is air-conditioned, spacious, and well-furnished. Excellent Resources are available for self-learning at Central library.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/computer-science-engineering/ https://sipnaengg.ac.in/electronics-telecommunication-engineering/ https://sipnaengg.ac.in/information-technology/ https://sipnaengg.ac.in/civil-engineering/ https://sipnaengg.ac.in/mechanical-engineering/ https://sipnaengg.ac.in/science-humanities/ https://sipnaengg.ac.in/library/

4.1.2 - The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.

Along with core courses and the continuous evaluation, the institute integrates sports and extra-curricular activities as essential components. This is done not only for participation but also to motivate them as proactive students. The Institute has adequate facilities for indoor and outdoor sports and games. The total area of playground for the outdoor games is 10100.00 Sq.M and for indoor games is 273.20 Sq.M. In addition to this institute holds Stadium with seating capacity of 800. Intra college and inter college games and sports competitions are organized regularly every year for the students. Many students have represented at the University, National & International level competitions of various sports &

are honored as the color coat holders. The institute also has well-equipped multi gym facility which is equipped with all the modern fitness instruments. NSS Unit and Yoga Centre also exists in the institute.

Institute has well equipped seminar halls for organizing annual functions and cultural events. Major cultural events are organized at the Auditorium which equipped with the most modern and acoustically designed audio-visual facilities having seating capacity of 600. Every year students participate in institute's Annual Social gathering and University level Youth festival in cultural events.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/gym-sport/ https://sipnaengg.ac.in/auditorium/

4.1.3 - Number of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc.

39

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/computer-science-engineering/ https://sipnaengg.ac.in/electronics-telecommunication-engineering/ https://sipnaengg.ac.in/information-technology/ https://sipnaengg.ac.in/civil-engineering/ https://sipnaengg.ac.in/mechanical-engineering/ https://sipnaengg.ac.in/science-humanities/ https://sipnaengg.ac.in/library/
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

4.1.4 - Expenditure, excluding salary for infrastructure augmentation during the year

(INR in Lakhs)	
4.1.4.1 - Expenditure for infrastructure augmentation, excluding salary during the year (INR in lakhs)	
315.6447	
File Description	Documents
Upload any additional information	No File Uploaded
Upload audited utilization statements	View File
Upload Details of budget allocation, excluding salary during the year (Data Template	View File
4.2 - Library as a Learning Resource	
4.2.1 - Library is automated using Integrated Library Management System (ILMS)	
<p>Institute's Library plays an important role in acquiring, organizing, and disseminating of information. It is spread up in to two floors having a carpet area of 1244.53 Sqm. The central library is air-conditioned, spacious, and well-furnished. Excellent Resources are available for self-learning at Central library. Library is segmented in Reference Section, Journal Section, Reading Hall, Digital library, etc. The library has collection of Textbooks, Reference, General and Rare-books, Journals, e-journal and CDs, LED TV etc. The Central Library has a rich collection of Textbooks, Reference Books and National/International Journals. Books are classified as per the Dewey Decimal Classification system (DDC 22nd Ed.). The Central Library is fully automated with SOUL 2.0 version, which is a local area network (LAN) based software containing modules such as, Administration, Acquisition, Catalogue, Circulation, OPAC. Automation was done with SOUL 1.0 version software which is updated with SOUL 2. in 2010-11.</p> <p>Library have subscribed DELNET database which covers full text e-Journals, e-books, e-Thesis & Dissertation and many other online databases. Earlier the college was having the subscription of Elsevier Science Direct database which covered 275 full text e-Journals. Elsevier Science Direct provides access to e-Journals of Computer Science Engineering, Civil Engineering, Mechanical Engineering etc.</p>	

File Description	Documents
Upload any additional information	View File
Paste link for Additional Information	https://sipnaengg.ac.in/library/

4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources

A. Any 4 or more of the above

File Description	Documents
Upload any additional information	No File Uploaded
Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template)	View File

4.2.3 - Expenditure for purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

4.2.3.1 - Annual expenditure of purchase of books/e-books and subscription to journals/e-journals during the year (INR in Lakhs)

6.40004

File Description	Documents
Any additional information	No File Uploaded
Audited statements of accounts	View File
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	View File

4.2.4 - Number per day usage of library by teachers and students (foot falls and login data for online access) (Data for the latest completed academic year)

4.2.4.1 - Number of teachers and students using library per day over last one year

126.2

File Description	Documents
Any additional information	No File Uploaded
Details of library usage by teachers and students	View File

4.3 - IT Infrastructure

4.3.1 - Institution frequently updates its IT facilities including Wi-Fi

Institute has state of the art IT infrastructure in campus with 7 Servers which are used to host Learning Management System, College ERP, Feedback Management System etc. Institute holds 1086 Computers and 26 Laptops for students and staff. Out of 1086 desktop computers, 750 Computers are used exclusively for students. The entire campus including labs, classrooms, library, offices of all Departments and hostels is Wi-Fi enabled and having 24/7 internet facilities with available band width of 520 MBPS out of which, 100 Mbps leased line from BSNL, 300 Mbps from Airtel and 120 Mbps is from supernet broadband . All classrooms and seminar halls are equipped with LCD Projector & LAN connectivity. Separate AV Hall with internet connectivity is available for webinars and live video lectures.

Institute carry out timely upgradation of IT Infrastructure. Every year budgetary provision is made for updating and upgradation of IT Infrastructure. As per the directions of AICTE institute is promoting the use of open-source software. During Covid pandemic all academic activities were completed in Online mode using IT infrastructure. University Examinations during pandemic were taken using own LMS. Institute was physically closed but IT infrastructure was live 24X7 and hence all our students and staff achieved their academic goals.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://sipnaengg.ac.in/computer-scienceengineering/ https://sipnaengg.ac.in/information-technology/

4.3.2 - Number of Computers

1086

File Description	Documents
Upload any additional information	View File
List of Computers	View File

4.3.3 - Bandwidth of internet connection in the Institution**A. ? 50MBPS**

File Description	Documents
Upload any additional Information	View File
Details of available bandwidth of internet connection in the Institution	No File Uploaded

4.4 - Maintenance of Campus Infrastructure**4.4.1 - Expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the year (INR in Lakhs)****4.4.1.1 - Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component during the year (INR in lakhs)****294.25395**

File Description	Documents
Upload any additional information	No File Uploaded
Audited statements of accounts	View File
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View File

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

4.4.1 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. Care has been taken to keep the equipment's, machine 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 classrooms 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 incharge 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

File Description	Documents
Upload any additional information	View File
Paste link for additional information	Nil

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

5.1.1.1 - Number of students benefited by scholarships and free ships provided by the Government during the year

2076

File Description	Documents
Upload self attested letter with the list of students sanctioned scholarship	View File
Upload any additional information	No File Uploaded
Number of students benefited by scholarships and free ships provided by the Government during the year (Data Template)	View File

5.1.2 - Number of students benefitted by scholarships, free ships etc. provided by the institution / non- government agencies during the year

5.1.2.1 - Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies during the year

287

File Description	Documents
Upload any additional information	View File
Number of students benefited by scholarships and free ships institution / non- government agencies in last 5 years (Date Template)	View File

5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life skills (Yoga, physical fitness, health and hygiene) ICT/computing skills

A. All of the above

File Description	Documents
Link to Institutional website	https://lms.sipnaengg.ac.in/ https://sipnaengg.ac.in/audio-video-learning/ https://sipnaengg.ac.in/japanese-language-forum/ https://sipnaengg.ac.in/gym-sport/
Any additional information	No File Uploaded
Details of capability building and skills enhancement initiatives (Data Template)	View File

5.1.4 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

4398

5.1.4.1 - Number of students benefitted by guidance for competitive examinations and career counseling offered by the institution during the year

4398

File Description	Documents
Any additional information	No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organization wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

A. All of the above

File Description	Documents
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View File
Upload any additional information	View File
Details of student grievances including sexual harassment and ragging cases	View File

5.2 - Student Progression

5.2.1 - Number of placement of outgoing students during the year

5.2.1.1 - Number of outgoing students placed during the year

350

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	No File Uploaded
Details of student placement during the year (Data Template)	View File

5.2.2 - Number of students progressing to higher education during the year

5.2.2.1 - Number of outgoing student progression to higher education

9

File Description	Documents
Upload supporting data for student/alumni	View File
Any additional information	No File Uploaded
Details of student progression to higher education	View File

5.2.3 - Number of students qualifying in state/national/ international level examinations during the year (eg: JAM/CLAT/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State

government examinations)

5.2.3.1 - Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations) during the year

2

File Description	Documents
Upload supporting data for the same	View File
Any additional information	View File
Number of students qualifying in state/ national/ international level examinations during the year (Data Template)	View File

5.3 - Student Participation and Activities

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

5.3.1.1 - Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national / international level (award for a team event should be counted as one) during the year.

15

File Description	Documents
e-copies of award letters and certificates	View File
Any additional information	View File
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template)	View File

5.3.2 - Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities (student council/ students representation on various bodies as per established processes and norms)

Students constitute a major stakeholder in the institutional growth. Utilization of the support and ideas of the students is

the paramount requirement for the prosperity and well-being of the institute. Institute always strives to build a relation of mutual respect and inculcate a sense of pride amongst the students for their own institute. Students have active representation on academic and administrative bodies and committees of the Institute. Students are given exposure to involve in administrative, co-curricular and extracurricular activities by including them as members of the committees. They actively participate in committee meetings.

The following is the list of Committees having student representation and engagement.

1. Internal Quality Assurance Cell
2. Library Committee
3. Internal Complaints Committee
4. Canteen Committee
5. National Service scheme Committee
6. Sports Committee
7. Cultural Committee
8. Hostel Committee
9. Student Clubs
10. Departmental Student Forums

Institute has five Engineering disciplines & MBA program. Each branch in the institute has Student Forums whose representatives actively participate in various activities. They help in coordinating the events related to academics and other cocurricular & Extra-curricular activities, as per the directives of teaching faculty. They motivate other students to take part in the activities conducted by the Institute.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/art-craft-club/ https://sipnaengg.ac.in/cultural-club/ https://sipnaengg.ac.in/nature-club/ https://sipnaengg.ac.in/personality-development-club/ https://sipnaengg.ac.in/fitness-club/ https://sipnaengg.ac.in/technology-innovation-club/ https://sipnaengg.ac.in/entrepreneur-club/ https://sipnaengg.ac.in/competitive-exam-club/ https://sipnaengg.ac.in/readers-club/ https://sipnaengg.ac.in/social-activity-club/
Upload any additional information	View File

5.3.3 - Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions)

5.3.3.1 - Number of sports and cultural events/competitions in which students of the Institution participated during the year

598

File Description	Documents
Report of the event	View File
Upload any additional information	No File Uploaded
Number of sports and cultural events/competitions in which students of the Institution participated during the year (organized by the institution/other institutions (Data Template)	View File

5.4 - Alumni Engagement

5.4.1 - There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Sipna Alumni Association, established in 2007, maintains a long-lasting connection between the institute and its strong alumni

base spread across the world. It is run by an Executive Body consisting of President, Vice-President, Secretary, Joint-Secretary, Treasurer and Alumni members. A centralized Alumni Incharge carries out all the alumni activities in collaboration with different departmental alumni coordinators. This association has conducted various webinars and interaction sessions for students at institute, in order to bridge the gap between the university curriculum and expected company requirements and also organized various mock interviews with the help of alumni to enhance their interview facing skills. Alumni association also contributes to off-campus and in-campus placements by arranging various referral and placement drives through messages and mails received from various companies and sharing the same with alumni and students.

Dedicated volunteers work with the Alumni Association to develop an active alumni network which adds phenomenal value to institute. This helps to preserve its position as one of the world's premier institutes. The Alumni Association continues to seek innovative ways to serve alumni by providing social, educational, and professional opportunities that will appeal to our alums, their peers and extended network.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/alumni-association/
Upload any additional information	View File

5.4.2 - Alumni contribution during the year (INR in Lakhs) **D. 1 Lakhs - 3Lakhs**

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of and in tune with the vision and mission of the institution

Vision

To provide quality professional education and conducive environment to emerge as a model proficient institute.

Mission

- To create scholarly and vibrant environment for professional excellence.
- To contribute to advancement of knowledge in basic and applied areas of engineering and technology & management.
- To be an institute of choice in the region by developing, managing, and transferring contemporary technologies.
- To build mutually valuable terms with society, industry, and Alumni.

This is being translated through effective governance. Institute administration is headed by the Principal and is involved in coordinating the functions of the institute. HODs are authorized to monitor the routine functions at the departmental level.

Teachers carry out an important role in implementing the vision and mission of the institute and plays a proactive part in the decision-making process. There are teacher representatives in various decision-making committees for curricular and cocurricular affairs and administrative functions of the institution. Teachers, through their interaction on these Committees can contribute in a significant way to the participatory ethos of the institution. Additionally, teachers discharge an energetically pervasive role as motivators and spearheads of cultural and socially conscious activities in the institution by steering the NSS unit, and different Students Clubs in the institute.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/
Upload any additional information	View File

6.1.2 - The effective leadership is visible in various institutional practices such as decentralization and participative management.

The Principal nominates incharge for Gymkhana portfolio who nominates the incharge for various sub-committees 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 who call 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 also arrange match practice sessions for the selected team members of their respective sports events .

Incharge for NSS selects a unit of 200 students from amongst the aspirant students. The unit undertakes various activities during academic year. Annual Social Gathering 'UMANG' is a mega event conducted every year in the college. The incharge distributes responsibilities of various events to different faculty members for smooth organization.

One of the activities under Gymkhana is College Magazine; published by the Magazine Committee, 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.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/organizationchart/
Upload any additional information	View File

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

Improvement in Placement Activities:

The Industry Institute Interaction & Corporate Relation Cell(III&CR) prepared an Action Plan to improve the placement activities which includes:

- Extracurricular activities like Mock Practices & Demonstrations on Group Discussion, Interview Techniques, Communication Skill, Personality Development & Aptitude

Development is carried out throughout the year for third and final year students with the help of respective students' committees of the different Departments.

- Industry Institute Interaction is done through this IIICR cell which provides Industrial exposure to the students.
- In vacation period, implant training & industrial tour are organized by the cell through which the students get practical industrial experience.
- To fulfil the technical human resource demand of industry this cell continuously interacts with the industry and Alumina and organizes campus placement activities for the eligible students, through which students get final placement in the industry.
- To conduct Expert lectures by Industry to know the updates of the technology.

Institute has conducted 30 Expert lectures by Industry persons in online mode. Our students have achieved appreciation by getting pivoted positions in the corporate world. 350+ students got placed in different MNC's, 160+ company visited for campus drive, 360+ students got opportunity of internship in industry.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://sipnaengg.ac.in/placementinformation/ https://sipnaengg.ac.in/i-i-i-c-r-cell/
Upload any additional information	View File

6.2.2 - The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Governing Body: A visionary Governing Body of the institute ensures the fulfillment of the policy statements and action plans in accordance with vision & mission of the institution. The Executive Committee decides broad policies about development of the institute. Moreover, the minutes of the local management committee are approved by the committee. The Governing Body ensures the fulfillment of the policy statements and action plans in accordance with Vision & Mission of the Institution and takes all executive decisions related to the institution through its Subcommittees.

Administrative Setup: The work environment in the institute is basically student centric, that makes each element highly responsible in the system. Involvement of each and everyone in the decision-making at their respective levels is ensured. Hence there are various institutional committees consisting of faculty and staff members. Transparency associated therein also forms an important feature of the work culture. The College administrative setup is headed by the Principal. The Principal is assisted by the Registrar & Office Administration, Degree Program Coordinators (BE, ME, MBA, PhD), Dean (Academics, Students Affair, Development & Planning, IIIC&R), HODs, Librarian, IQAC Coordinator & Publicity officer. The college has a Grievance redressal committee to address the grievances of all stakeholders.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Policy-Book-Sipna-COET-revised.pdf
Link to Organogram of the institution webpage	https://sipnaengg.ac.in/organization-chart/
Upload any additional information	View File

6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Document	View File
Screen shots of user interfaces	View File
Any additional information	View File
Details of implementation of e-governance in areas of operation, Administration etc (Data Template)	View File

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non- teaching staff

Existing welfare measures for teaching and non- teaching staff

- Group Insurance scheme for Teaching and Non-Teaching Members.
- Gratuity Scheme implemented for Teaching and Non-Teaching Members.
- Paper presentation in International Conferences (Abroad) -50% of actual expenses including registration fee or Rs.15,000/- whichever less is paid.
- Paper presentation in International Conferences (India)-100% TA, 100% registration fee is provided (Max. Rs.5000/-).
- Paper presentation in National Conferences-50% TA, 100% registration fee is provided (Max. Rs.5000/-).
- Textbooks - The faculty who have written the textbooks (and also published) are rewarded by Rs. 5,000/-.
- Cash reward for faculty members who got more than 95% result in university examinations and by taking into consideration students' feedback.
- 100% Registration fee contribution for membership in one professional society.
- Salary advance, bank loans for health & education.
- College staff Credit Co-Op. 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.
- Maternity/Paternity/Study/Special Leave (in case of death of father/mother) for Teaching and Non-teaching staff Members
- Medical Clinic is available in the Campus. Free Consultations are provided by the Medical Officers and free treatment is also given including free medicines.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Policy-Book-Sipna-COET-revised.pdf
Upload any additional information	View File

6.3.2 - Number of teachers provided with financial support to attend conferences/ workshops and towards membership fee of professional bodies during the year

6.3.2.1 - Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the year

4

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	View File

6.3.3 - Number of professional development /administrative training programs organized by the institution for teaching and non-teaching staff during the year
6.3.3.1 - Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff during the year

6

File Description	Documents
Reports of the Human Resource Development Centres (UGCASC or other relevant centres).	No File Uploaded
Reports of Academic Staff College or similar centers	View File
Upload any additional information	View File
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff (Data Template)	View File

6.3.4 - Number of teachers undergoing online/face-to-face Faculty development Programmes (FDP) during the year (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc.)
6.3.4.1 - Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course during the

year	
140	
File Description	Documents
IQAC report summary	View File
Reports of the Human Resource Development Centres (UGCASC or other relevant centers)	No File Uploaded
Upload any additional information	No File Uploaded
Details of teachers attending professional development programmes during the year (Data Template)	View File
6.3.5 - Institutions Performance Appraisal System for teaching and non- teaching staff	
<p>The performance appraisal is done at the end of every academic year based on the confidential report and parameters mentioned in the prescribed format for Performance Appraisal like engaging lectures, attendance of students, students' result, classroom planning & control, laboratory works, guidance & counseling, evaluation, learning resources development, participation in seminars/training, co-curricular activities, administrative functions (handling of portfolio).</p> <p>The head of the department submits the self-appraisal form with his/her remarks to the Principal. The information (parameter-wise performance details) is furnished by the staff members. The Principal goes through the forms thoroughly and carefully and can change grading given by the HOD, if he feels so. The Principal initiates corrective measures, where necessary, for improvement in performance.</p> <p>The performance appraisal of non-teaching staff is done based on his attendance, intelligence and understanding, discipline, devotion, punctuality, honesty & integrity, initiative, efficiency, etc. The head of the department furnishes his/her observations and submits the appraisal form to the Principal along with his/her remarks. The Principal goes through the HOD observations thoroughly and carefully and endows his remarks. The Principal initiates corrective measures, where necessary, for improvement in performance.</p>	

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Self Appraisal Form -Faculty Staff 2020-21.pdf
Upload any additional information	View File

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the mechanism for settling audit objections within a maximum of 200 words

Financial audit of the accounts is an important process and is strictly followed by the institute. The college undergoes an internal audit conducted by the Chartered Accountant appointed by the institute. They verify and confirm all finance related document. In case of query, documents are sent to IQAC of institute for clarification. All the process in the college is strictly monitored by the principal. The copies of the audit are also preserved in the college for records.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Audit-Report-2021-22_compressed.pdf
Upload any additional information	View File

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

6.4.2.1 - Total Grants received from non-government bodies, individuals, Philanthropers during the year (INR in Lakhs)

Nil

File Description	Documents
Annual statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the year (Data Template)	View File

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization of resources

Students' fee is the only source of revenue generation for the institution. Money grossed from the students' fees is utilized for salary expenditure and non- salary expenditure like repayment of liabilities, expansion of infrastructure, purchase of books and equipment, recurring expenditure, provision of funds for new courses or additional intake. Budgetary provisions are made for above expenditure heads based on priority by taking into consideration the accrued revenue available i.e., repayment of loan, salary expenditure, books and equipment, recurring expenditure etc. Provision of funds is made through bank loan in case funds accumulated through students' fess are found to be insufficient for budgetary provision.

Every financial year budgetary provision of ten percent additional fund for salary expenditure and recurring expenditure than preceding financial year is made. Requirement of equipment and books is submitted to the Principal every academic year by the heads of the departments and librarian. List of required equipment and books is put forth for discussion in the purchase committee meeting, where approval to purchase is obtained. Consolidated budget for all expenditure heads is prepared by the accounts section. Approval to the budget is granted by the Local Management Committee in its meeting and funds sanctioned are allocated.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Audit-Report-2021-22_compressed.pdf
Upload any additional information	No File Uploaded

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Following two practices are the results of IQAC initiatives.

1. **Academic Audit:** To enhance the quality of education the institute takes academic audit of each department every year through IQAC. At the beginning of academic session, IQAC takes the review of execution of academic activities of even semester for previous academic year and prepares the academic plan including seminar, workshop, training programs, placement activities, extension activity, collaboration, innovative and best practices, assignment, ICT based activity, students' competition, supposed to organize for better performance in the current academic session. The Committee evaluates plan submitted by the departments, twice in an academic session as per the academic plan & review their academic progress. The report of the committee is submitted to the IQAC and in the College Development Committee for discussion, suggestion, and approval.

2. **Implementation of Green practices in the campus:** The IQAC proposed to initiate various green practices to maintain eco-friendly college campus through the activities like Tree Plantation, Paperless Work, Plastic Eradication, Clean and Beautiful Campus, No Vehicle Day, Save Power, Paper Bag Workshop, Awareness Program on Renewable Energy, and e- Waste Management. For the better implementation of green practices, IQAC distributed these activities to Nature Club in the institute.

File Description	Documents
Paste link for additional information	https://sipnaengg.ac.in/nature-club/ https://sipnaengg.ac.in/nss/
Upload any additional information	View File

6.5.2 - The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities

The institution reviews it's teaching learning process, structure and methodologies of operations and learning outcomes at periodic intervals. Following are the two examples of institutional reviews and implementation of teaching learning reforms facilitated by the IQAC:

1. Student's feedback: Student's feedback on teaching learning process and evaluation significantly shows the quality of teaching learning process. The student's feedback is conducted as per the following norms:

a. All the students are allowed to give feedback on faculty, teaching learning process evaluation & infrastructure so that actual picture is ascertained.

b. After evaluating the feedback from students, the teacher if evaluated with low performance is instructed accordingly.

c. The whole process is being operated through IQAC. Suggestion boxes are also available for anonymous feedback to improve on the system practices.

2. Academic monitoring: The academic monitoring committee conducts regular visit to the classes regarding the regularity and punctuality of class work, keeps vigil on the completion of syllabus and ascertains information regarding the quantum syllabus completed and the teachers are informed to conduct the remedial classes and revision for the students wherever needed. The Committee is headed by Principal and comprises of HOD, Dean Academics, and Department Academic Coordinators (DAC).

File Description	Documents
Paste link for additional information	Nil
Upload any additional information	View File

6.5.3 - Quality assurance initiatives of the institution include: Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analyzed and used for improvements Collaborative quality initiatives with other institution(s) Participation in NIRF any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. All of the above

File Description	Documents
Paste web link of Annual reports of Institution	https://sipnaengg.ac.in/wp-content/uploads/2020/09/AQAR_modified_Version_.pdf https://sipnaengg.ac.in/wp-content/uploads/2020/09/AQAR_2019-20.pdf https://sipnaengg.ac.in/wp-content/uploads/2020/09/AQAR_2020-21.pdf
Upload e-copies of the accreditations and certifications	View File
Upload any additional information	No File Uploaded
Upload details of Quality assurance initiatives of the institution (Data Template)	View File

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

Gender Equity is the process of allocating resources, programs, and decision making fairly to both males and females without any discrimination based on sex and addressing any imbalances in the benefits available to males and females. The institute

is totally unbiased in providing the opportunities in every sector to the personals. There is no discrimination done between male and female students. Women's Grievance Committee considers complaints related to any sexual discrimination/harassment of women faculty or student in the institute. It also provides counselling and supportive services in the campus and promotes awareness about sexual harassment through educational initiatives that encourages and fosters a respectful and safe campus environment.

Annual gender sensitization action plan: The institute believes in the principle of equality. To promote the same message among the students and staff, Annual Gender Sensitization Action Plan is prepared in the beginning of the academic year. During the induction program, Girl Students are made aware about health, sanitation & hygiene and boys are also counselled. They are also made aware about the gender equality and the sense of being together for humanity is encouraged. Because of Pandemic institute was unable to conduct the regular activities for the promotion of gender equity.

File Description	Documents
Annual gender sensitization action plan	https://sipnaengg.ac.in/wp-content/uploads/2020/09/Annual_gender_sensitization_action_plan_compressed.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.1.1_Specific_facilities_provided_for_women_compressed.pdf

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power efficient equipment

C. Any 2 of the above

File Description	Documents
Geo tagged Photographs	View File
Any other relevant information	View File

7.1.3 - Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

Solid Waste Management:

The solid waste in the campus is generated from various potential sources, such as Academic Buildings, Hostels, Canteen, Garden, etc. All the waste is managed by cleaning staff of the institute. Dustbins are placed at different locations in the campus, class rooms and laboratories. The waste is collected in hand carts and transported to the disposal sites. The sensitive solid waste such as invalid answer sheets of students are transported to the local vendor for shredding purpose under the supervision. Solid waste from canteen and campus is dumped in Municipal Corporation garbage box. Degradable waste is dumped into a pit which can be further used as manure for garden itself.

Liquid Waste Management:

Chemicals used for practical purpose are purchased as per requirement and are consumed during academic session itself. Solutions of the chemicals are prepared at maximum diluted level and are drained into the sink under running tap water.

E -waste Management:

The electronic components such as old invalid projects of final year students and damaged or old electronic circuits/kits/models are reused for making the new electronic devices/projects by the students. Damaged computers are sold to scrap vendor. UPS Batteries are exchanged with the suppliers.

File Description	Documents
Relevant documents like agreements / MoUs with Government and other approved agencies	No File Uploaded
Geo tagged photographs of the facilities	View File

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus

A. Any 4 or all of the above

File Description	Documents
Geo tagged photographs / videos of the facilities	View File
Any other relevant information	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

- 1.Restricted entry of automobiles**
- 2.Use of bicycles/ Battery-powered vehicles**
- 3.Pedestrian-friendly pathways**
- 4.Ban on use of plastic**
- 5.Landscaping**

B. Any 3 of the above

File Description	Documents
Geo tagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	View File

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

7.1.6.1 - The institutional environment and energy initiatives are confirmed through the following 1.Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities	A. Any 4 or all of the above										
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Reports on environment and energy audits submitted by the auditing agency</td><td>No File Uploaded</td></tr> <tr> <td>Certification by the auditing agency</td><td>View File</td></tr> <tr> <td>Certificates of the awards received</td><td>No File Uploaded</td></tr> <tr> <td>Any other relevant information</td><td>View File</td></tr> </tbody> </table>	File Description	Documents	Reports on environment and energy audits submitted by the auditing agency	No File Uploaded	Certification by the auditing agency	View File	Certificates of the awards received	No File Uploaded	Any other relevant information	View File	
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Reports on environment and energy audits submitted by the auditing agency	No File Uploaded										
Certification by the auditing agency	View File										
Certificates of the awards received	No File Uploaded										
Any other relevant information	View File										
7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment 5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading	A. Any 4 or all of the above										
<table border="1"> <thead> <tr> <th>File Description</th><th>Documents</th></tr> </thead> <tbody> <tr> <td>Geo tagged photographs / videos of the facilities</td><td>View File</td></tr> <tr> <td>Policy documents and information brochures on the support to be provided</td><td>View File</td></tr> <tr> <td>Details of the Software procured for providing the assistance</td><td>No File Uploaded</td></tr> <tr> <td>Any other relevant information</td><td>View File</td></tr> </tbody> </table>	File Description	Documents	Geo tagged photographs / videos of the facilities	View File	Policy documents and information brochures on the support to be provided	View File	Details of the Software procured for providing the assistance	No File Uploaded	Any other relevant information	View File	
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Policy documents and information brochures on the support to be provided	View File										
Details of the Software procured for providing the assistance	No File Uploaded										
Any other relevant information	View File										

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 200 words).

The institution believes in equality of all cultures and traditions as is evident from the fact that students belonging to different caste, religion, regions are studying without any discrimination. To build a nation of youth who are noble in their attitude and morally responsible, the institute organizes and conducted several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. To develop the emotional and religious feelings among the students and the faculty, commemorative days are celebrated on the campus with the initiative and support of the management to generate the feeling of oneness and social harmony. Motivational lectures of eminent persons of the field are arranged for all-round development of the students to make them responsible citizens.

Besides academic and cultural activities, institute has a strong infrastructure for a variety of sports activities for the physical development of the students. In this way the institute's efforts/initiatives in providing an inclusive environment for everyone with tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic, and other diversities. NSS Unit of our college is always having a leading role in organising various programmes related to social issues organized by college

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded
Any other relevant information	View File

7.1.9 - Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens

Institute sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct as a responsible citizen. The institute hoists

the flag during national festivals and patriotic songs are rendered by the students which inspire students and staff to emphasize the duties and responsibilities of citizens. The college establishes policies that reflect core values. Code of conduct is prepared for students and staff, and everyone should obey the conduct rules. The institution encourages participation of students in Sports and Games, and NSS at National level to strengthen nationwide bond and relation.

The institution takes many initiatives like conducting awareness campaigns, organizing orientation programmes, training programmes, seminars, and workshops to sensitize the future leaders to inherit human values coping with the constitutional obligations. Ethical Values, rights, duties, and responsibilities of citizens are some of the topics that are enlisted in Elocution/ Debates activities NSS unit is actively involved in conducting several activities for inculcating values for being responsible citizens. The affiliating University curriculum is framed with mandatory courses like Professional ethics and human values, Constitution of India, as a small step to inculcate constitutional obligations among the students.

File Description	Documents
Details of activities that inculcate values; necessary to render students in to responsible citizens	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.1.9_Sensitization_of_students_and_employees_of_the_Institution_to_the_constitutional_obligations_compressed.pdf
Any other relevant information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.1.9_Sensitization_of_students_and_employees_of_the_Institution_to_the_constitutional_obligations_compressed.pdf

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard. The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff

A. All of the above

4. Annual awareness programmes on Code of Conduct are organized

File Description	Documents
Code of ethics policy document	View File
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	View File
Any other relevant information	No File Uploaded

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

To maintain harmony and healthy work atmosphere and to make the learners aware of the national pride and rich cultural heritage, the National/International commemorative days like Republic day, Independence Day, Gandhi Jayanti, Dr Babasaheb Ambedkar Jayanti, Constitution Day, International Yoga day, Voters Day, National Youth Day etc, are regularly being celebrated and observed in the institute. Our institution celebrates these events with great enthusiasm to commemorate the ideology of nationalism and to pay tribute to our great National Leaders. The Faculty, Staff and Students of the institution all come together under one umbrella to celebrate these occasions and spread the message of Unity,

Peace, Love and Happiness throughout. NSS Unit of our college is always having a leading role in organising various programmes related to celebrating /organizing national and international commemorative days, events, and festivals in the institute. Due to the covid pandemic, the institute is closed for students. However, still, efforts have been made to conduct various important events either through skeletal staff or on virtual mode.

File Description	Documents
Annual report of the celebrations and commemorative events for the last (During the year)	View File
Geo tagged photographs of some of the events	View File
Any other relevant information	View File

7.2 - Best Practices

7.2.1 - Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

1. TEJOMAY: 220 KW On-Grid Solar Power Plant:

As the yearly power consumption of the institute was more than Rs 40 lacs, we need to search for an idea which minimize the expenses on electricity as well as environment friendly. For the same we have planned for the on-grid solar power plant which not only cut down the electricity bill from MSEDCL, but it also contributes towards the ecofriendly environment. The institute has installed 220 KW on-grid photo-voltaic Solar Power Plant at the rooftop of the buildings. TEJOMAY- Solar Power Plant was inaugurated at the brilliant hands of Hon. Shri Madanji Yerawar, Energy Minister of State.

2. Teacher Guardian Scheme:

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, keeps the trail of every student's day-to-day activity, 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.

File Description	Documents
Best practices in the Institutional website	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.2.1_Best_Practices_compressed.pdf
Any other relevant information	https://sipnaengg.ac.in/wp-content/uploads/2020/09/7.2.1_Best_Practices_compressed.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 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. This is the only institute in the region, having certification for Environment Management System.

Since the initial days institute has followed the policy not to cut any tree while constructing the buildings. Existing trees are protected, and 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 roof-top solar electricity generation unit. Institute started with 60 kW on grid solar power plant and currently expanded to its capacity to 190 kW. No vehicle day" is observed every year in institute. Institute organizes an exhibition and sale of Clay Ganesha Idols to spread importance of having Eco friendly Ganesh idols. Students at institute delivered various environmental awareness lectures at various schools to make children aware about the environment.

File Description	Documents
Appropriate web in the Institutional website	View File
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- Planning to apply for NBA accreditation for Civil, Mechanical and Management Programs..
- Going to apply to the University for getting Research centres in Physics and Chemistry.
- To strengthen the implementation of Outcome Based Education in its various aspects by streamlining its processes and by use of a suitable software.
- To encourage more faculty and staff members to register more IPR products.
- Strengthen of the research activities in the institute and motivate Faculty members to undergo industrial training.
- Strengthen Industry Institute Interaction through IIICR Placement Cell.
- 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.
- Submitting research proposals to various funding agencies.
- To increase MOU with industries.
- Organization of Seminars/workshops on Personality Development of Nonteaching Staff.