



YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

IPS Academy, Institute of
Engineering and Science

- Name of the Head of the institution **Dr. Archana Keerti Chowdhary**
- Designation **Principal**
- Does the institution function from its own campus? **Yes**

- Phone No. of the Principal **07314014601**
- Alternate phone No. **07314014618**
- Mobile No. (Principal) **9424000460**
- Registered e-mail ID (Principal) **director.ies@ipsacademy.org**
- Address **Knowledge Village, Rajendra Nagar, A.B. Road**
- City/Town **Indore**
- State/UT **Madhya Pradesh**
- Pin Code **452012**

2.Institutional status

- Autonomous Status (Provide the date of conferment of Autonomy) **31/08/2020**
- Type of Institution **Co-education**
- Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. A. G. Kothari**
- Phone No. **07314014639**
- Mobile No: **9822360887**
- IQAC e-mail ID **iqac.ies@ipsacademy.org**

3. Website address (Web link of the AQAR (Previous Academic Year)) <https://ies.ipsacademy.org/naac2021-22/>

4. Was the Academic Calendar prepared for that year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: <https://ies.ipsacademy.org/academics/academic-calendar/>

5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B+	2.62	2021	28/12/2021	27/12/2026

6. Date of Establishment of IQAC **01/07/2019**

7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
IPS Academy, Institute of Engineering and Science	Mission Amrit Sarovar - Jal Dharohar Sanrakshan	AICTE, New Delhi	01/07/2022	400000

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI [View File](#)

9.No. of IQAC meetings held during the year **4**

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? **Yes**

- If No, please upload the minutes of the meeting(s) and Action Taken Report No File Uploaded

10.Did IQAC receive funding from any 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)

Improve Industry Institute Interaction

Enhanced International/National Collaborations

Internal & External Program wise Academic Audit was conducted

Introduce the Entry & Exit Policy in line with NEP 2020

Introduce Interdisciplinary Foundation Courses

12.Plan of action chalked out by IQAC at 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
Industry Institute Interaction	68 industries visited by the faculties and 21 visits organized for the students. 12 MOUs Signed with industries. 32 sessions delivered by the industry persons and 07 sessions delivered by the faculty in industries.
Improvement in R&D Activities	The faculty members are interacting with the experts of their domain and writing proposals in collaboration with experts. So far, 12 Project Proposals are already submitted to SERB.
Filing Patent	The presentation of Mr Chirag Tanna, Patent Attorney from Pune was arranged for all the faculty members & PG students on October 4th 2022.
Innovation / Entrepreneurship	All the departments are conducting sessions on innovation and entrepreneurship exclusively by the entrepreneurs. Few alumni were involved for the same. The proposals for Atal Incubation Centre (AIC) & AICTE-IDEA Lab were accepted in first phase and the presentation for second phase was also successfully completed. Result is awaited.
Introduce Interdisciplinary Foundation Courses	Introduced 02 Interdisciplinary Foundation Courses & 02 Interdisciplinary Open Courses
International/National Collaborations	MOU signed-03 , Projects Submitted -05, Research Papers published -01 , Research Papers under review -05 , Shared Lecture Series -02

Academic & Administrative Audit	As per the UGC notification dated 12th February 2018 for an autonomous colleges the Academic & Administrative Audit (AAA) was conducted during 26-27th December 2022 focusing Curricular Aspects, Teaching - Learning and Evaluation, Research, Innovation & Extension, Infrastructure & Learning Resources, Internet Connectivity, Amenities and Sports Facilities, Placements and Higher Education, Alumni Engagement, Administrative Procedures, Social Service & Extension Activities, Governance, Leadership and Management, IQAC & Best Practices by the external experts Dr B B Ahuja, Former Director COE, Pune & Dr L M Gupta, Prof & Head Applied Mechanics Deptt, VNIT, Nagpur along with the internal members Dr A G Kothari, Coordinator IQAC & Prof Nitesh Parmar Co-coordinator IQAC
To introduce the Entry & Exit Policy in line with NEP 2020	Successfully implemented and approves in Governing Body meeting held on 11th February 2023.
Activities schedule during silver jubilee year 2023-24	04 International Conference was successfully conducted by Department of Civil Engg., Chemical Engg., Mechanical Engg. and Fire Technology & Safety Engg. and the preparation of other International Conference is in progress. Three SERB, DST sponsored workshops were also successfully conducted.

13. Was the AQAR placed before the statutory Yes

body?

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
IQAC	29/04/2023

14. Was the institutional data submitted to AISHE ? **Yes**

- Year

Part A

Data of the Institution

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• Name of the Head of the institution	Dr. Archana Keerti Chowdhary
• Designation	Principal
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<p>10. Did IQAC receive funding from any funding agency to support its activities during the year?</p>	<p>No</p>	
<ul style="list-style-type: none"> If yes, mention the amount 		
<p>11. Significant contributions made by IQAC during the current year (maximum five bullets)</p>		
<p>Improve Industry Institute Interaction</p>		
<p>Enhanced International/National Collaborations</p>		
<p>Internal & External Program wise Academic Audit was conducted</p>		
<p>Introduce the Entry & Exit Policy in line with NEP 2020</p>		
<p>Introduce Interdisciplinary Foundation Courses</p>		
<p>12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</p>		
Empty space for the plan of action and outcome		

Plan of Action	Achievements/Outcomes
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14. Was the institutional data submitted to AISHE ?	Yes				
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<table border="1"> <thead> <tr> <th data-bbox="102 853 758 920">Year</th> <th data-bbox="758 853 1437 920">Date of Submission</th> </tr> </thead> <tbody> <tr> <td data-bbox="102 920 758 976">2022-2023</td> <td data-bbox="758 920 1437 976">26/03/2024</td> </tr> </tbody> </table>	Year	Date of Submission	2022-2023	26/03/2024	
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2022-2023	26/03/2024				
15. Multidisciplinary / interdisciplinary					
<p>The institution intends to offer the essential and foundational courses needed to create the groundwork for pursuing any discipline of engineering. These courses will cover the material in-depth enough to enable practically any engineering discipline's real-world applications. Students will have the option to select courses from a variety of disciplines. However, a learner cannot receive a UG or PG degree in the relevant discipline without completing some required core and foundational courses. To accommodate the level of students from other disciplines who are keen to sample different fields, many interdisciplinary courses have been established. To achieve this, a set of electives referred to as Open electives was developed. According to the AICTE Model Curriculum and NEP, value-added courses are available that address topics not covered in the disciplines' recommended curricula but add value by introducing students to ideas like entrepreneurship, design thinking, etc. to help them become better professionals. In addition, many multidisciplinary courses are offered that develop managerial abilities, such as Principles of Management and Managerial Economics, Soft Skill & Interpersonal Communication, etc., related to handling finances, language and soft skill instruction, and making students good at interpersonal and professional communication. In addition, each student shall have to complete the requirements of Mandatory Learning Course (MLC),</p>					

such as, Professional Laws, Ethics, Values and Harmony, Constitution of India, Environmental Studies and Intellectual Property Rights, etc.

16.Academic bank of credits (ABC):

Institute aim to enroll Academic Bank of Credits system after implementation of NEP at the institute. We are in the process of discussion with the other esteemed institutes like CoE Pune, IIT Indore, and IET DAVV etc. At the beginning of the first semester of the UG Programme in the IPS Academy, Institute of Engineering & Science, every student shall be required to register his/her profile on the Institute Campus Active portal and every student shall be allocated with a Unique Registration Number, which shall be used to identify a student at any time. Each student shall register for specifically prescribed credits (minimum 16 & maximum 28) per semester as per the respective UG Programme during his/her studentship at the Institute. The exact number of credits to be registered by a student in a semester in a particular Department shall be decided by his/her Faculty Advisor based on the student's academic performance in the preceding semesters. However, the minimum credit requirement shall not be applicable to the student for registration during the final semester of the respective program. The total minimum credits for the award of B. Tech degree in any branch shall lie between 160-170. Minimum credits required to earn B. Tech degree in a particular branch shall be decided by the concerned Board of Studies (BoS), adhering a broad distribution of credits among various categories of courses as per guidelines in AICTE Model Curriculum 2018. All the theory as well as laboratory courses in the B. Tech Curriculum will have 1-5 credits and a student shall acquire these credits after he/she completes its teaching-learning-evaluation process successfully. Brighter students transiting to the third year shall be permitted for Honors and Minors certification scheme as an additional avenue for passionate learners. Students are entitled to enroll either for Honors or Minors or not for both simultaneously. A student shall opt for a certificate in Honors for Vertical/Specialization in his/her own Program for higher studies/ research orientation. He/she shall opt for Minors certificate in any other Program for improving employability. Every department shall offer 4 additional courses and/or equivalent MOOC courses of minimum 3 credits each for the respective Honors and Minors scheme. A student may voluntarily drop the scheme at any time. However, no Certificate/Semester Grade Report shall be awarded for such a partial completion. Students shall have to earn a minimum "C"

grade for each course in the scheme. A student failing in any of the Minors or Honors courses, at any stage shall be discontinued from the Scheme. The scores of these additional courses shall not be accounted towards CGPA calculations at the end of each semester. An additional Semester Grade Report shall indicate the additional courses learnt along with the grades.

17.Skill development:

The institute has taken initiatives for capacity building and skill enhancement by organizing events on Software trainings on Auto CAD, Primavera, Staad Pro, COMSOL etc. and Training Programs on JAVA, Angular 8+ Node JS, PLC Scada, etc., Life Skills (like Yoga and Meditation Session), on regular basis for students. Programs are organized regularly for enhancing the Soft Skills and Communication Skills of the students. Regular classes are organized in order to guide the students for Competitive Exams like GATE, etc. The institute has Board of Student Welfare (BSW) which includes various student committees in which students display their leadership skills through participation in academic, co-curricular and extra-curricular activities. Life Skills allow a person to be ready for life as an adult - specifically for students transitioning from campus to corporate life and independent living. In order to nurture the life skill qualities (Employability, Easy transition from student to corporate/work life, Professional Growth and Personal well-being) and make student multidimensional successful engineer, the Institute encourages students to take active part in various co curricular & extra- curricular activities held on/off campus. In order to make most of the students to take part in the Co-curricular (Group A) and Extra-curricular (Group B) activities of interest, the participation of the students shall get evaluated and get its reflection in the final Activity Grade Report. All UG students shall choose every year at least one activity/event each from the group of Co-curricular and Extra-curricular activities happening on campus or off campus. The student may take an active part in more than one activity from Group A and/or Group B, take part in competitions and earn grade points. In such a case, the activity with the maximum score shall be considered while evaluating the final grade point.

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

The promotion of Indian languages is only possible if they are utilized regularly and for teaching and learning purposes. Our institute organizes the events and competitions like essay

writing, Hindi Diwas, Debate competition, elocution competitions etc. in the regional languages. The institute offering "Essence of Indian Traditional Knowledge" and "Constitution of India" courses to upgrade the knowledge of students about Indian tradition and culture. Based on the AICTE initiatives, institute also offered a UG program in Computer Science Engineering in "Regional language". The institute also offers Massive Open Online Course (MOOC) as a mandatory course in our curriculum to train and skill students in a digital learning platform. Video lectures, books, animations, quizzes, simulation construction, and other activities are used to cover different courses. Technical query resolution forum and peer discussion forum. The institute organized Ek Bharat Shreshtha Bharat program which aims to enhance interaction & promote mutual understanding between people of different states/UTs through the concept of state/UT pairing. The institute is selected as receiver institute among all the technical institute of Madhya Pradesh by AICTE for this program, in which students of the Manipur visits IPS Academy, Institute of Engineering & Science for cultural exchange, tourism and food exchange of Madhya Pradesh.

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

The Institute clearly defines vision, mission, objectives, outcomes and strategies. The IQAC implements Outcome Based Education (OBE) based learning in all the programs by defining respective program objectives, program outcomes and program specific outcomes. All the courses in each program are defined with a set of course objectives and outcomes. Each faculty will prepare course file for each course which contains department vision, mission, course syllabus, individual time table, program objectives, program outcomes, various mapping matrices, unit plan, lesson plan, course plan, unit wise material, direct and indirect assessments, student grading sheet, surveys/feedbacks collected from students and CO-PO attainment sheet. Each faculty takes responsibility as a mentor, counselor, facilitator, guide, assessor, evaluator, learner, and finally as a teacher in OBE system. The faculty, industry and alumni are actively involved in preparing program outcomes, program specific outcomes and course outcomes of all programs in the college. Orientation program for all the new students is conducted every year at the beginning of the academic year to educate about all course outcomes. At the beginning of the academic year all the faculty members will prepare the course files and laboratory manuals. IQAC emphasizes in promoting the students as well as the teachers to help the rural people through various extension activities.

20.Distance education/online education:

So far as per the AICTE-Approval Process Handbook, individual institutes are not permitted to offer on line distance learning (ODL) courses. If the AICTE-APH has affirmative provision we are willing to offer ODL courses. However, online classes have been conducted during COVID-19 lockdown period from March 2020 to June 2020. As a part of best practices, the institute has developed its own ERP which helps in monitoring the features like student related academic data such as admissions internal assessment marks, student feedback on teaching learning process & facilities at institute & department level, conduction of online exams, etc.

Extended Profile**1.Programme**

1.1	22
Number of programmes offered during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.Student

2.1	3477
Total number of students during the year:	

File Description	Documents
Institutional data in Prescribed format	View File

2.2	717
Number of outgoing / final year students during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	730
Number of students who appeared for the examinations conducted by the institution during the year:	

File Description	Documents
Institutional Data in Prescribed Format	View File
3.Academic	
3.1 Number of courses in all programmes during the year:	667
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	198
File Description	Documents
Institutional Data in Prescribed Format	View File
3.3 Number of sanctioned posts for the year:	200
4.Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	663
4.2 Total number of Classrooms and Seminar halls	97
4.3 Total number of computers on campus for academic purposes	2380
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	1991.03539
Part B	
CURRICULAR ASPECTS	

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

Curricula Development

Institutethoroughly carries out its mandate to develop relevant and comprehensive curriculum for all its programs and keep them up to date through regular revisions; considering not only the national and global developments but also the local and regional needs. As an autonomous Institution, the following factors are also considered in curriculum development:

1. Model curriculum prescribed by AICTE
2. Curriculum of IITs, NITs and other reputed institutions
3. Guidelines of UGC, affiliating university, and other professional bodies
4. Syllabi of GATE, IES, and other similar competitive exams
5. Suggestions/Inputs from academicians, industry experts, employers and alumni.

The prepared draft curriculum were discussed and finalized by the BoS (Board of Studies) of respective departments, which include academic and industry experts, both internal and external.

Relevance to Local, National, Regional, and Global Developmental Needs

The curricula is designed in a way that takes into account the specific needs and challenges of the local community, the country as a whole, the broader region, and the global context. The curriculum is tailored to address the unique requirements of these different levels of society. The prepared curriculum is in line with NEP 2020 & AICTE model curriculum 2018.

File Description	Documents
Upload additional information, if any	View File
Link for additional information	https://ies.ipsacademy.org/#page

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

11

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	View File
Details of syllabus revision during the year	View File
Any additional information	No File Uploaded

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

57

File Description	Documents
Curriculum / Syllabus of such courses	View File
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	View File
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year**

57

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

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

22

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	View File
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	View File

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The Institution believes that integrating cross cutting issues with the curriculum would create positive effect on the student in both in terms of his/her education and societal commitment. The curriculum include 01 course & 01 Activity on gender issue, 07 courses on professional ethics, 08 courses & 02 Activities on human values and 20 courses & 07 Activities on Environment & Sustainability . The details are as follows:

Activities on Environmental Awareness-

1. Five Days National Workshop On "Save Water Save Life: Recent Trends and Advancement in Water Management and its Treatment
2. One week National Workshop on "Waste to wealth-Recent Trends and Technological advancement in Treatment of waste water" Sponsored by SERB during
3. Environmental Awareness Program on World Environmental Day
4. Five Days National Workshop on "Carbon Neutrality for Sustainable Development: Challenges and Advances"

5. Five Days National Workshop on Contemporary Techno-economics Advancement in Waste Mitigation
6. One week high end workshop on early diagnosis of oral cancer biomarkers of saliva in oral cancer- A non invasive diagnosis of oral cancer in a microfluidic platform
7. Celebration of World Water Day (WWD 2023) with theme of "Accelerating the change to solve the water and sanitation crisis"

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	View File
Any additional information	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

18

File Description	Documents
List of value-added courses	View File
Brochure or any other document relating to value-added courses	View File
Any additional information	No File Uploaded

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

251

File Description	Documents
List of students enrolled	View File
Any additional information	View File

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

483

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	View File
Any additional information	View File
1.4 - Feedback System	
1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni	A. All 4 of the above
File Description	Documents
Provide the URL for stakeholders' feedback report	https://ies.ipsacademy.org/feedback-analysis-action-taken/
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	No File Uploaded
1.4.2 - The feedback system of the Institution comprises the following	A. Feedback collected, analysed and action taken made available on the website
File Description	Documents
Provide URL for stakeholders' feedback report	https://ies.ipsacademy.org/feedback-analysis-action-taken/
Any additional information	View File
TEACHING-LEARNING AND EVALUATION	
2.1 - Student Enrollment and Profile	
2.1.1 - Enrolment of Students	
2.1.1.1 - Number of students admitted (year-wise) during the year	
1064	

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

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

521

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 students' learning levels and organises special programmes for both slow and advanced learners.

The students are tracked during their academic journey in the institute and special efforts are made to enhance the performance of slow learners. Students with good academic background and skills are guided to higher levels of achievements and encouraged towards challenging goals.

Before the commencement of the classes, institute hosts induction program for the first year students. Principal address the students and elaborates academic facilities like library, laboratories, computer center and cultural activities. Head of First Year Engineering details out academic calendar, rules and regulations of University and examination pattern. Students are informed about placements and career opportunities by Training and Placement Officer.

Identification of Students by class & subject coordinators

Advanced Learner Slow Learner

Attendance in class (? 85%) (? 50%)

Previous semester results (? 7.5 CGPA) (? 5 CGPA)

Performance in MST & Assignment (? 65%) (? 40%)**Action Taken****Slow Learners**

1. Remedial /Make up classes/extra classes
2. Personal attention in teaching
3. Recommend minimum credits registration (16)
4. Additional practice problems

Advance Learners

1. Encourage maximum credits registration (28)
2. Minor/ Honors certification courses
3. Encourage for Competitive examinations viz., GATE/CAT/GRE/Civil Services etc
4. Paper writings and participation in conferences/seminars, hackathon

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2023	3477	198

File Description	Documents
Upload 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:

Experiential Learning Methods

- Field based experiential learning like Internship, industrial tour/visits, industrial training.
- Experiential learning tutorials are conducted which includes proactive teaching learning methods.
- Multimedia teaching methods like animated videos, demo videos, ppts are incorporated in the day
- Today teaching process enhances students understanding of the subjects.
- Expert lectures, seminars, workshops, paper presentation and case studies are arranged for Students in every semester to give hands on experience to students.

Participative learning

- Students are encouraged for participative learning
- Institute collegiate events are organized to bring out the potential of the students.
- Faculty and students are motivated to participate in different technical paper presentation, conferences and workshops.
- Students are encouraged and guided to undertake industry sponsored project.
- Institute organizes various technical competitions such as paper presentation, project competition, science exhibition, Quiz competition etc.

Problem solving Methodology

- Soft skill trainings are organized periodically where expert guides the students regarding presentation & communication skills.
- Numericals are solved in the tutorial period earmarked in the time table for each subject.
- Institute has appointed consultant for imparting soft skill to the students.
- A mentor is assigned for every 15-20 student.

File Description	Documents
Upload any additional information	View File
Link for additional Information	https://ies.ipsacademy.org/category/upcoming/page/2/

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

The following ICT- enabled tools including online resources used by teachers for effective teaching and learning process

- Information & Communications Technology (ICT) enabled teaching methodologies and advanced technologies are being followed by the faculty members in class rooms.
- The use of multimedia teaching aids like, LCD projectors are usually in use in classroom.
- The electronic resource packages like Mc Graw Hill, ASCE, ASME, DELNET, NPTEL and Digital Library of various other e-resources are available.
- The faculty members effectively utilize Audio Visual aids to demonstrate the concepts to the students
- Sufficient number of books, Journals, e-journals and e-books are available in the library.
- All the departments conduct seminars, workshops and guest lectures, for effective teaching and learning by the faculty members and students in each semester.
- Auditoriums are equipped with multimedia facilities using ICT tools for conducting various expert lectures, seminars and workshops and webinars are.
- Online feedback on faculty and institute infrastructure is taken.

CAMPUS ACTIVE

The college has developed an integrated Enterprise Resource Planning Software for faculty, students and administrators to overcome the challenges in the process of assessment of various parameters of Outcome Based education system.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	https://ies.ipsacademy.org/e-learning/
Upload any additional information	View File

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

198

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	View File
Circulars with regard to assigning mentors to mentees	View File

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Institute prepares its own academic calendar, Based on Institute's academic calendar, department prepares its academic calendar showcasing events planned by individual department.

The academic activities in a semester shall normally include course registration, teaching-learning process comprising of course work, Continuous In-semester Evaluation (CIE), dropping/withdrawal from courses, End Semester Examination (ESE), Perusal of answer books and declaration of results.

Teaching plan is prepared by each teacher which adheres to the academic calendar of institute. Attendance of student is daily observed, students and parents also can view attendance of their wards on Campus Active (ERP of the institute) daily.

The course files are prepared for each course by the respective faculty with the detailed lesson plan based on the academic calendar in the beginning of the semester itself. This includes lesson plan/handouts, lecture notes, quizzes, model question

papers, mini projects, topics for seminars etc. The course file contains course objectives, syllabus, and mapping of CO with PO, detailed lesson plan, assessment planning and teaching methodologies. This helps in effective delivery of the course content to the students in the stipulated period.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	View File

2.4 - Teacher Profile and Quality

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

198

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	View File
List of the faculty members authenticated by the Head of HEI	View File
Any additional information	No File Uploaded

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

51

File Description	Documents
List of number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	View File
Any additional information	No File Uploaded

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

1584

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	View File
Any additional information	View File

2.5 - Evaluation Process and Reforms

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

8

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	View File
Any additional information	View File

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

Institute follows AICTE exam reform policy for the internal assessment of the theory and laboratory. In addition, institute has carefully designed and implemented the parallel mechanism to ensure preparedness of the students.

Transparency in internal assessment

Complete transparency is maintained in all forms of internal

evaluations.

- Mid-sem answer sheets are distributed and discussed with students
- Remedial test is planned for students having unsatisfactory performance
- Examination results are displayed on notice boards and CMS

As institute got the Autonomy a new module is needed for the smooth conduction of end semester examination that can perform all the basic tasks from student exam, form fee, submission to result declaration along with marksheet printing. Hence, institution examination module has developed and running successfully.

Institute Examination module

1. Exam Time Table
2. Student exam form forwarding and online exam form fee submission
3. Student Admit Card
4. RABA for Student records
5. Filling marks & calculating results
6. Generating TR (Tabular Results)
7. Declaration of Result
8. Generating Physical Marksheets
9. Generating PD (Provisional Degrees)& Migrations
10. Reprinting
11. ATKT
12. Transcrip
13. Renumeration

1. Remuneration Agreement/Contract
2. Rate Sheet/Remuneration Table
3. Invoice Template
4. Confidentiality Agreement
 - Summer Term

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	http://cms1.ipsacademy.net/

2.6 - Student Performance and Learning Outcomes

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

Institute has well defined Program outcomes (PO), program specific outcomes (PSO) and course outcomes (CO) for all programs.

Teachers are conversant with POs, PSOs of the programs as they are involved in PO, PSO evaluation process. Vision and mission of the college is discussed in meetings. Head of the department and teachers discuss POs and frame PSOs of the programs which are in line with Graduate Attributes and Vision, Mission of the Institute.

POs and PSOs are displayed for teachers and students at following locations:

- Institute web site
- HOD cabins
- Notice Boards
- Department laboratories
- Department Library
- Faculty Cabins

Principal delivers address to all newly admit first year students in the induction program. During this address institute vision, mission and program objectives are stated. Every course teacher discusses expected course outcomes with students at the beginning of each semester in his/her first lecture. POs, PSOs and COs are mandatory part of course file prepared by course teacher. These are attached in course files of each subject.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	No File Uploaded
Link for additional Information	https://ies.ipsacademy.org/ce-po-peo/

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

As per the philosophy of Outcome Based Education (OBE), COs/POs/PSOs/ are evaluated using Campus Active software developed by the institute.

Attainment of Course Outcomes (CO)

Instruments used for CO assessment

MSTs, Home assignments, TQs, Tutorials, Lab performance/viva-voce, Presentations/seminars etc.

Attainment Levels

L1 x% students scoring (?) y% marks

L2 (x + ?x) % students scoring (?) y% marks

L3 (x + 2 ?x) % students scoring (?) y% marks

CO Attainment through internal assessments (COI)

Direct Assessment

(CODI- CO assessment (direct) through internals)

Indirect Assessment

(COII- CO assessment (indirect) through Course End Survey)

$COI = 0.8 \times (CODI) + 0.2 \times (COII)$

CO Attainment through University exams (COU)

$Final\ CO\ Attainment = 0.7\ COU + 0.3\ COI$

Attainment of Program Outcomes

Direct attainment (POD)

Average of entries in the columns corresponding to each PO in the program articulation matrix.

Indirect attainment (POI)

Based on the Student Exit Surveys, Alumni Surveys, Employer Surveys

Final PO attainment = 0.8 x POD + 0.2 x POI

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

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

717

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	View File
Upload any additional information	View File
Paste link for the annual report	https://ies.ipsacademy.org/wp-content/uploads/2024/02/annual%20reportexam%20%202022-2023.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://ies.ipsacademy.org/student-satisfaction-survey/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

Institute has been constantly encouraging faculty, researchers and students towards research-based activities and achievements. Since the inception, the mission of IPSA, Institute of Engineering &

Science has been to instigate sponsored research and provide consultancy services in technical, educational and industrial areas.

The Research and Development division has its major focus in promoting the research culture in the institution. Policies pertinent to research and related activities are devised and focus on the promotion of research among Student and Faculty.

The institute aims at providing, promoting research, development, consultancy and such other profession - promotional activities, involving the faculty at various levels.

Such of those faculty, who exhibit initiative and drive by getting substantial grants for R & D works or for strengthening the infrastructure in the institute will be suitably encouraged and receive special appreciation.

Policies for Promotion of Research

Category 1: Funded R&D Projects from the Government / Industry

Category 2: Consultancy / Testing Projects from the Government / Industry / NGO

Category 3: Organizing funded Seminars / Conferences / Workshops / STTP /other

Category 4: Research Publications, Book Chapters, Book Publications and Patents

Category 5: PhD and Master's Guidance

Category 6: Review Books/ Papers (SCI, ESCI, SCIE, Scopus)

Category 7: Attending Seminars / Conferences / Workshops

Category 8: Study Online Course in Advanced Domain Area

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View File
Provide URL of policy document on promotion of research uploaded on the website	https://ies.ipsacademy.org/research-development/
Any additional information	View File

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

85.81

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	View File
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	View File
List of teachers receiving grant and details of grant received	View File
Any additional information	View File

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year

3

File Description	Documents
e-copies of the award letters of the teachers	View File
List of teachers and details of their international fellowship(s)	View File
Any additional information	No File Uploaded

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)**

4

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	View File
List of projects and grant details	View File
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	View File
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

3

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	View File
Institutional data in Prescribed format	View File

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

Institute is recognized as Band Performer in AtalRankingof Institutions on Innovation Achievements (ARIIA 21) by Ministry of Education (MoE), Govt. of India.

The details of Patents and Copyrights of the institute are as follows:

S. No.

Patent/Copyright

Name

Year

Status

1

Device for electricity generation from wastewater treatment

387460-001

Dr. Devaanshi Jagwani

2023

Design Accepted and Published

01/06/2023

2

Artificial intelligence for ventilator management and optimization in intensive care units 202341040672 A

Dr. Vaishali Gupta

2023

Patent published 30/06/2023

3

Machine Learning Based Approaches for Rainfall Prediction System for Smart Cities 202341041525 A

Dr. Swati Mehra

2023

Patent published

07/07/2023

4

IoT controlled Charger for Electric Vehicles 379558-001

Dr. Manish Sahajwani, Mr. Manoj Gupta, Mr. Namrata Nebhnani

2023

Design Accepted and Published

03/02/2023

5

Machine learning and image processing base approaches for lung tumor classification and prediction 202341037702

Dr. Ranjana C. Ahirwar

2023

Patent published 16/06/2023

6

Analysing the impact of copper and bismuth incorporated cations perovskite solar cells by one solution 202311004699A

Dr. Ranjana C. Ahirwar

Dr. Smita B. Karmankar

2023

Patent published 10/02/23

7

Machine vision based colorimetric test kit for arsenic identification in water

389145-001

Dr. Devaanshi Jagwani

2023

Applied

8

A Microchannel Multiorgan-on-a-chip

Dr. J.Ponmozhi

2023

Applied

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

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual

Property Rights (IPR), Entrepreneurship and Skill Development during the year

9

File Description	Documents
Report of the events	View File
List of workshops/seminars conducted during the year	View File
Any additional information	No File Uploaded

3.4 - Research Publications and Awards

3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	View File
Any additional information	View File

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors provided in Metric No. 3.2.3) during the year

3.4.2.1 - Number of PhD students registered during the year

0

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	View File
Any additional information	No File Uploaded

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

32

File Description	Documents
List of research papers by title, author, department, and year of publication	View File
Any additional information	View File

3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

5

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ies.ipsacademy.org/wp-content/uploads/2024/02/3.4.4%20scanned%20(1)%20(2022-2023).pdf

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed**3.4.5.1 - Total number of Citations in Scopus during the year**

8

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University**3.4.6.1 - h-index of Scopus during the year**

2

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	No File Uploaded

3.5 - Consultancy

3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

0

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	No File Uploaded
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

Institute cultivated youth engagement in community within the students. It involves creating meaningful and interactive experiences that not only educate but also inspire young individuals to take an active role in their communities and care for the environment. The students of the institute come from diverse backgrounds with varying levels of prior knowledge, interests, and experiences related to community and environmental issues. It was challenging to maintain the momentum and enthusiasm for community and environmental initiatives over the long term amongst the students.

Extension activities

- Ghar Ghar Tiranga Har Ghar Tirnga:
- Ncc Combined Annual Trg Camp (CATC-III)
- Swachh Bharat Abhiyan Puneet Sagar Scheme
- 75th NCC Day Celebration
- Eye Checkup Camp
- Rural Outreach Program
- World Environmental Day
- Free Eye Checkup Camp
- Hygiene:
- Trenching Ground Visit
- Safety:
- Free Dental Checkup Camp
- The Joy of Giving Week
- Gyan Vistar
- Haryali Mahotsava
- Sankranti Happiness with Children
- Awareness of Cyber Crimes & Prevention
- Mission Amrit Sarovar - Jal Dharohar Sanrakshan
- Ek bharat Shrestha Bharat (EBSB)

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

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

9

File Description	Documents
Number of awards for extension activities in during the year	View File
e-copy of the award letters	View File
Any additional information	View File

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)

13

File Description	Documents
Reports of the events organized	View File
Any additional information	View File

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year

3321

File Description	Documents
Reports of the events	View File
Any additional information	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work

1

File Description	Documents
Copies of documents highlighting collaboration	View File
Any additional information	View File

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

4

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

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 equipments, etc.

IPS Academy, Institute of Engineering & Science has developed high-tech campus with modern facilities/learning resources as per the curriculum requirements and norms of statutory/regulatory bodies. The Institute provides resources and infrastructure for academic excellence according to its Vision and Strategic Objectives. The infrastructure facilities and learning resources are categorized as under:

(a) Learning Resources: This includes resources and infrastructure required for library, laboratories, class room teaching, events, meetings, workshops, etc.

(b) Support facilities includes cafeterias, hostels, auditoriums, seminar halls, etc.

(c) Utilities like safe drinking water, washroom, Heat Ventilation & Air Conditioning (HVAC), Power Generators, etc.

Details regarding the infrastructure and Learning resources are described below:

Instructional Area: Administrative Area: Amenities Area:

Room Type

Nos.

Additional Workshop

1

Classroom

72

Drawing Hall

03

Laboratory

127

Research Laboratory

1

Seminar Hall

06

Tutorial Room

15

Workshop

1

Room Type

Nos.

Directors Office

1

Cabin for Head of Dept

12

Faculty Room

230

Exam Control Office

1

ADMIN OFFICE

1

Board Room

1

Central Store

1

Department Office

8

Pantry for Staff

1

Placement Office

1

Reception Area

1

Room Type

Nos.

Auditorium

4

Boys Common Room

4

Cafeteria

1

First aid cum Sick Room

1

Girls Common Room

3

Sports Club

1

Stationery Store

1

Computing Equipments: For Internet access and computing purpose, the institute has massive network of 2380 computers with 1 Gbps band width. Centralized firewall Cyber-roam is used to monitor the usage of Internet by individuals. All computers are connected by LAN and Internet. Some computer laboratories are equipped with high end servers and computers with high end processors. The institute also provides computing facilities to promote R&D activities.

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

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

The Institute has always encouraged and supported the co-curricular and extracurricular activities in the institutes. As part of this endeavor we have a well-established Sports Club and Cultural Activity Club for effective and better coordination of

various sports and cultural activities which is headed by Sports In charge & Cultural In charge respectively and supported by the student sports and cultural committees. The college has following Outdoor and Indoor sports facilities:

- Outdoor Games: Cricket, Football, Netball, Kho-kho, Volleyball, Kabbadi and Hockey, Shot-put etc.
- Indoor games: Table tennis, Chess, Badminton, Taekwondo, RifleShooting, Swimming Pool, Carrom, etc.

Our students have earned applauds in the various competitions at University, State and National level sports and cultural competitions. The student achievement is also acknowledged by felicitating them at Institute level Annual functions. The institute provides all sports material to students. Apart from participation at various sports and cultural event, the institute also organizes following events every year:

- Swaranjali - Cultural Fest
- The VOICE of IES- Singing Competition.
- Inter departmental Sports events.

The student's sports and cultural committees are actively involved in organizing the above events and we are proud to say that the above events are organized by the students and for the students. The Institute support and encourage various sports and cultural activities with the motto that every student should, not only be academically fit but also physically fit to face the challenges of the society after they complete their education from the institute.

File Description	Documents
Geotagged pictures	View File
Upload any additional information	No File Uploaded
Paste link for additional information	https://ies.ipsacademy.org/sports-facilities/

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

97

File Description	Documents
Upload any additional information	View File
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View File

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

194.31767

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	View File
Any additional information	No File Uploaded

4.2 - Library as a Learning Resource

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

The library of the institute spanning over an area of 1150 square meter including reading room. Library is equipped with Software for University Libraries (SOUL) is an state-of-the-art integrated library management software designed and developed by the INFLIBNET Centre based on requirements of college and university libraries. The institute has the latest version of the software i.e. SOUL 2.0.

Name of ILMS software: SOUL

Nature of automation: Fully

Version: 2.0

Year of Automation: 2010

The Library is automated with several terminals available in the library. The Library of the institute has an excellent knowledge providing facility for the benefit of students, faculties and researchers. The central Library has a large collection of books

covering various branches of Engineering and Technology, Basic Sciences, and Humanities and its related fields.

Library has more than 39583 books including reference books. The institution has subscription for the e resources like e-journals, e-ShodhSindhu, Shodhganga Membership and e-books.

The library has wide range of Engineering, Technology and Science resources. It includes-

- Number of Books : 39583
- Number of e-Books : 48155
- Number of Print Journals (Indian/International/ Periodical) : 12
- Local News Papers in English and Hindi : 12
- Magazines : 09
- CD/DVDs : 2623
- NPTEL courses : 1068
- Ethical Books : 603
- e-journals : 59322

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

**4.2.2 - Institution has access to the following:
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources**

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals

during the year (INR in lakhs)**26.71152**

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	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 - Usage of library by teachers and students (footfalls and login data for online access)**4.2.4.1 - Number of teachers and students using the library per day during the year****213**

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

4.3 - IT Infrastructure

4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

In this electronic communication era, the internet communication is very important in teaching learning process. To fulfill the norms of AICTE and University, the institute has very strong IT infrastructure. The Institute is currently subscribed with the service provider "Bharti -Airtel" for the internet services. The internet is available via LAN exclusively in labs for performing practical. The same network is used for institute's intra-mail. The network is secure in that it has its own firewalls and antivirus/ worm programs to protect vital institute information and database apart from confidential emails of all its users. Application Software such as MATLAB, ANSYS, Auto CAD Civil 3D, AFT, Micro wind 3.5, ABAQUS, SAP 2000, Etab, PRIMAVERA, COMSOL Multiphysics, Target 3001, EDSA, Windows Vista, Business OS etc. are available at institute level. Software is updated continuously. Institute has well established language lab to enhance communication skills of student and faculty. Faculty members have provided with the computer and Internet connection at

their respective locations. All the Computer laboratories and facilities are connected with the Internet and are made available to the faculties and students for their academic needs in their respective departments.

The details of the Internet facility are as follows:

- Name of the internet provider: AIRTEL
- Available band width 1 Gbps
- Institute's own-mail facility to faculty/students: Yes
- Security/privacy to e-mail/internet users: Yes

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3477	2030

File Description	Documents
Upload any additional information	View File

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A. 50 Mbps

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

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	https://ies.ipsacademy.org/e-learning/
List of facilities for e-content development (Data Template)	View File

4.4 - Maintenance of Campus Infrastructure

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

663.13461

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	View File

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

There are institute level committees that look after the various aspects of the utilization and maintenance of the physical, academic and support facilities.

Laboratory Maintenance

Repair and Maintenance of laboratory equipments/instruments are initiated by the respective Laboratory In charge as and when required.

Central Library

Prof. in-charge of library along with library staff conducts stock verification every year. To ensure the return of books, 'no dues' from the library are mandatory for students at the end of the program.

Sports complex

The sports materials issued to the students are recorded in the issue/return register which reflects the utility and demand of the

items along with the student's interests.

Computers Maintenance

For Internet access and computing purpose, the institute has massive network of 2066 computers with 1 Gbps band width.

Maintenance of other support systems:

- The housekeeping staff of the institute maintaining regular cleanliness.
- Greenery is maintained by the gardeners with the usage of modern tools.
- The maintenance of EPABX system, Lifts and Air conditioners in the institute is carried by store & maintenance department.
- Minor maintenance of furniture items and metal fixtures is carried out by the workshop department and the minor electrical maintenance is looked after by the Store and Maintenance department.

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 freeships provided by the Government during the year

1051

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	View File
Upload any additional information	No File Uploaded

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

54

File Description	Documents
Upload any additional information	View File
Institutional data in prescribed format	View File

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	https://ies.ipsacademy.org/wp-content/uploads/2024/02/5.1.3%20combined.pdf
Details of capability development and schemes	View File
Any additional information	View File

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

524

File Description	Documents
Any additional information	View File
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	View File

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and

A. All of the above

ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	View File
Details of student grievances including sexual harassment and ragging cases	No File Uploaded
Upload any additional information	View File

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

452

File Description	Documents
Self-attested list of students placed	View File
Upload any additional information	View File

5.2.2 - Number of outgoing students progressing to higher education

10

File Description	Documents
Upload supporting data for students/alumni	View File
Details of students who went for higher education	View File
Any additional information	No File Uploaded

5.2.3 - Number of students qualifying in state/ national/ international level examinations

during the year

5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

12

File Description	Documents
Upload supporting data for students/alumni	View File
Any additional information	View File

5.3 - Student Participation and Activities

5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (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

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of the institution

The institute has different student committees in which students show their leadership skills in academic, co-curriculum and extra-curriculum activities. Students are participating actively not only in various clubs for conducting extra-curricular activities but also on the panel of Anti Ragging Committee and few other committees. They contribute as an active member in curriculum design and development of the institute as a BoS member and advisory board members of each department respectively.

Institute also has the Board for Student Welfare (BSW), it is primarily a student body consisting of student representatives from each year and a few faculty members. The BSW has been constituted to formulate various welfare initiatives. BSW organizes and monitors various extracurricular activities of students like planning forum, sports, debate and elocution, preparation of college magazine, cultural programmes, NSS, NCC

etc. in collaboration with Dean Student Welfare. Apart from this, Alumni Association is there in Institute.

Following are the committees/ club/ Events in which students are members or coordinators for events.

1. Academic Activities
2. Discipline & Anti-Ragging:
3. Technical Activities:
4. Extension Activities
5. Organization of Special Events
6. Cultural & Sports:
7. Various Student Clubs

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

5.3.3 - Number of sports and cultural events / competitions organised by the institution

19

File Description	Documents
Report of the event	View File
List of sports and cultural events / competitions organised per year	View File
Upload any additional information	No File Uploaded

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

There is a registered Alumni Association (Reg.No.-03/27/01/23952/21) which contributes significantly to the development of the institution. The important contributions are:

- To promote and foster mutually beneficial interaction between Alumni and the Institute.
- To encourage the Alumni to take abiding interest in the process and development of Institute.
- To arrange and support in placement activities for the students of Institute.
- To mentor the students of the Institute for higher education and development of character.
- Promote the Industry-Institute interaction

The Following are the activities carried out with the help of Alumni

Curriculum Enrichment: Alumni are involved in departmental BoS (Board of Studies) for curriculum enrichment .

Administration: Alumni are members in IQAC and provide inputs for imparting quality system adaptive to recent trends and requirements of industry.

Interactive Sessions: The alumni association helps in holding interactive sessions to motivate current students about the employability and educational opportunities abroad.

Industry connect: The alumni those who are entrepreneurs arranges industrial visits to the students and provide inputs on how to start a new venture to turning them in to job providers.

Placements/ References: Alumni can help students in referring to companies and get placed at their respective organizations.

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

5.4.2 - Alumni's financial contribution during the year

E. <2 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 an effective leadership in tune with the vision and mission of the Institution	
<p>VISION:</p> <p>To be the fountainhead of novel ideas & innovations in science & technology and persist to be a foundation of pride for all Indians.</p> <p>MISSION:</p> <ul style="list-style-type: none"> • To provide value based broad Engineering, Technology and Science education where in students are urged to develop their professional skills. • To inculcate dedication, hard work, sincerity, integrity and ethics in building up overall professional personality of our student and faculty. • To inculcate a spirit of entrepreneurship and innovation in passing out students. • To instill sensitivity amongst the youth towards the community and environment. • To instigate sponsored research and provide consultancy services in technical, educational and industrial areas. <p>Vision and Mission of the Institute focuses on the needs of social and corporate world by providing quality education. The organization structure comprising of Board of Governance (BOG), Internal Quality Assurance Cell (IQAC), Advisory Board Committee (ABC), Head of the Departments (HoDs), Departmental Development Committee (DDC) and Class Co-Ordinator Committee (CCC) etc. plays significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stake holders.</p>	

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

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

The institution is practicing decentralization and participative management in all its activities. The Governing body is the highest decision-making body which formulates/ amends rules and regulations, policies, and delegate's powers, responsibilities to various Committees, Principal, Deans, Heads of the Departments [HoDs], and provides necessary support for the overall development of the institution. The constitution of statutory committees such as Academic Council, Finance Committee, and Board of Studies are systematically carried out with specified functions and responsibilities as per the requirements to the regulatory/statutory bodies. The institute has achieved the coveted status of Autonomous from UGC and got accredited by NBA for many of its UG programs.

Committees and Cells with active participation from faculty & students

- Institute Development Committee
- IQAC Cell
- Extension Activity Committee
- Technical Skill Development Cell
- Cultural Committee
- Innovation & Entrepreneurship Development Cell
- Academics Committee
- Research & Development Cell
- Sports Committee
- International Affairs & Outreach Cell

- DARC Committee
- Training & Placement Cell
- Internal Complaint Committee
- Grievance Cell
- Library Committee
- Wellness Cell
- Alumni Committee
- Admission Cell
- Safety Committee
- Purchase Committee/Finance Committee
- Maintenance Committee & Utilization of Resources
- College Magazine / News Letter Committee

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	https://ies.ipsacademy.org/about-ies/future-plans/

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

The Strategic Plan identifies some broad areas to focus upon:

- Enhancement in the quality of teaching-learning - evaluation through accreditation processes (NBA/NAAC) & academic autonomy.
- Enhancement in faculty qualification with Ph.D.
- Establishment of research centre leading to Ph.D. degree.
- More emphasis on International R & D collaborations in thrust areas of Science & Technology
- Establishment of technological business incubator with financial assistance from Management to the tune of Rs 1 cr.
- Mobilization of funds through R & D sponsored projects to achieve excellence in research
- Organize International /National conferences.
- Introduction of new UG/PG & certification courses in cutting edge technology.
- Enhancement in active participation from all stake holders: Society, Students, Parents, Alumni, Employers, etc.
- Twinning program. In this connection we have made a modest beginning with UC Berkley for certification courses.
- It is proposed to prepare modified structure of the programs, to facilitate an additional degree in two to three years to the deserving & interested candidates, as per AICTE circular, dated 9th August, 2021.
- Deemed to be university status.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	https://ies.ipsacademy.org/about-ies/future-plans/
Upload any additional information	No File Uploaded

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

Institute has a well-defined organization structure. The Governing Body steers the organization's management systems, their implementation and continuous improvement.

The Governing Body of the institute consists of the following

- President of the Society - Chairman
- One Nominee of the All India Council for Technical Education

- An Industrialist/Technologist/Educationist from the region to be nominated by the Chairman.
- Nominee of the University
- Nominee of the Director of Technical Education/State Government
- Principal/Director of the concerned technical institution (as nominee of the society /Trust) - Member Secretary.
- Two to five members to be nominated by Management
- Two faculty members to be nominated from amongst the regular faculty.

Administrative setup:

The administrative rules and regulations covering all cadres of staff employed and the information relating to roles, powers and administration are available on the institute web site (ies.ipsacademy.org). The rules and regulations cover general administration, recruitment of staff, Service conditions, duties, promotion policies, increments, awards and disciplinary actions etc.

Service rules: All the staffs are oriented about the Service rules available in the institution.

Recruitment: The qualification, teaching experience and other eligibility for recruitment is as prescribed by state Government / UGC / AICTE/affiliating University. Selection of the candidate shall be by a selection committee.

File Description	Documents
Paste link to Organogram on the institution webpage	https://ies.ipsacademy.org/organizational-structure/
Upload any additional information	View File
Paste link for additional Information	Nil

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

A. All of the above

Support Examination

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

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institute has variety of welfare schemes for teaching as well as non-teaching staff as follows:

1) IPS Sakh Sahakari Santha Matyadit: The loan facilities are given to all employees working in the institute.

1. Uniform for Faculties
2. Maternity leave
3. Medical facility within the Institution
4. Deputation of faculty for research
5. Other Welfare Schemes:

- Day care centre for infant babies of the employees.
- The staff on official work is compensated for the conveyance expenses.
- Staff deputed for any outstation programs is reimbursed the amount by the administration.
- Educational loan for higher studies is available in eligible cases.
- Institute arranges get-together every year for non-teaching and technical staff along with their family members.
- For local transport Bus Facilities is available to all faculties at minimum expenses.
- In the event of death of an employee, while in service his/her dependant will be considered for employment on compassionate grounds, depending upon the merit of the case, limited to the cadre Junior Assistant, subject to eligibility of the individual concerned and the availability of vacant posts.
- Financial assistant of Rs. 5000/- to class D employees for

exigencies.

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

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

105

File Description	Documents
Upload any additional information	View File
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 programmes organized by the Institution for its teaching and non-teaching staff during the year

22

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	View File

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

111

File Description	Documents
Summary of the IQAC report	View File
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	View File
Upload any additional information	No File Uploaded

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

Financial audits to be conducted on regular basis. Institution follows dual audit system where one audit is to be done by the internally appointed auditor and the other audit is to be performed by external audit agency.

Internal Audit: Management of the institution has appointed Chartered accountant Mr. Amit Choudhary as an internal auditor. Whatever submission are proposed by the internal auditor are to be incorporated in the accounting system of the institution. There is regular practice for periodical internal audit in the institution. Opinions and remarks made by internal auditor are taken into account for correction, if any.

External Audit: Institution has appointed an external auditor for further audit of the accounts, voucher and other documents. Associated external auditor is Chartered accountant Mr. Basant Jain & Company FRN NO 0051286 and membership no- 073966.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

The institute has a well formulated financial policy which ensures effective and optimal utilization of finances for academic, administrative and development purpose which help ultimately in realizing the institute's vision and mission.

Institute has made the necessary provision in the books of account towards efficient use of available fund for each academic year. As per the guidelines of the management and Principal, report of sanctioned budget and actual expenditure are regularly maintained.

The Management has given complete support to Principal for organization of various co-curricular & extracurricular activities like technical events, sponsoring of faculty & staff for various skill development programs, providing financial support for attending conferences, workshops, pursuance of higher education etc. Financial support is also provided for various R&D activities of students and faculties.

The Institute has constituted a separate purchase Committee comprising of Management representative, Principal & college concerned staff. The purchase procedure such as calling quotation, technical bid, preparing comparative statement, negotiation meetings are followed for effective and efficient use of available financial resources. The committee ensures that suitable equipment with right specification is procured at competitive and optimal prices.

Financial audits are conducted by a chartered accountant every financial year to verify the compliance with established processes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

The establishment of Internal Quality Assurance Cell (IQAC) by the institution is for establishing long term quality standards. IQAC will be responsible to initiate, plan and supervise various activities that are necessary to increase the quality of the education imparted in the institute. The general roles of IQAC are as follows:

- To ensure focus in institutional functioning towards quality enhancement.
- To develop a system for Improvement in the academic and administrative performances of the Institution.
- To inculcate quality culture in the institute.
- To enhance the integration amongst the various activities and suggest good practices.
- To enhance better internal communication.
- Improvement in digital education
- Improvement in student's centric activities.
- Implementation of relative grading
- NBA Accreditation /Re-accreditation

In IQAC meeting the main objective which is discussed and implemented is the process of making student industry ready. Awareness is created in students and is motivated for Internship, Entrepreneurship as well as for working on research projects.

1. Implementation of NEP 2020

2. Outcome Based Education System (OBES)

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ies.ipsacademy.org/iqac/

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

IQAC has played a vital role in improving practices in teaching-learning process and methodologies. IQAC has suggested many reforms in teaching learning process so far. However, a few of them are as below:

1. Promoting usage of ICT in teaching
2. Campus recruitment training to be provided to students
3. Conducting FDPs
4. Skill based training programs for students and faculties
5. Gap identification for assessment of Cos/POs/PSOs
6. Analysis of feedback collected & Action taken
7. Organizing expert lectures, industrial visits.
8. Conducts academic & administrative audit

The institution reviews the teaching learning processes through IQAC committee members.

Example-1 Industry Institute Interaction - The following initiatives are taken:

- 68 industries visited by the faculty members of the institute
- Institute organized 21 visits to industries
- 09 MOU Signed with industries
- 32 lectures delivered by the industry persons in the institute for enhancing the learning experience of students

and provided insights into current industry trends and practices.

- 07 lectures delivered by the faculty in industries

Example-2 Appraisal System for Teaching Staff - As per the appraisal norms of AICTE, New Delhi, the institute follows well-defined appraisal system for teaching staff i.e. the 360 degree feedback Score.

File Description	Documents
Upload any additional information	View File
Paste link for additional information	https://ies.ipsacademy.org/igac/

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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

Safety and Security:-

- **CCTV Cameras:** Institute has installed 151 CCTV Cameras, 04 HD DVR, 09 NVR at different locations such as Institute Entrance, Library, Workshop, Student Section, Principal's Office, Parking Canteen and all corridors.
- Security guards are available for twenty-four hours. Nearby police station contact numbers and toll free help line numbers are displayed on notice boards at strategic locations.

Counseling: - The institute has established Counseling/ Wellness Cell for the overall development of the students through interaction. In order to maintain safety and security to the girls and women, a women grievance cell has been constituted for redressal of grievances. Our women grievance cell stays alert all the time to prevent any sexual abuse towards the students and female workers.

Common Room: -

Girl's common room is available with essential facilities like first aid box, wash basin, Sanitary Napkin Wending Machine, Incinerator Machine etc.

Day care center for young children:-

The Institute administration understands that child care is not just the responsibility of women and families but also of institutions. College has provided facility for the Day Care Centre on the campus so that all staff can access its services.

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

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

C. Any 2 of the above

power-efficient equipment	
File Description	Documents
Geotagged Photographs	View File
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

The institute has implemented various initiatives for waste management, surrounding solid waste management, wastewater treatment, and more. It actively promotes a zero-waste policy, ensuring that all waste is directed to the designated waste management zone. Here, plastic waste is sent to the agglomeration plant, while biodegradable waste is processed in the composting unit. The institute operates an in-house sewage treatment plant for grey-water treatment. Additionally, the washrooms are equipped with automatic taps and toilet flushes to minimize water consumption. Furthermore, a rainwater harvesting facility is in place, and the institute is actively pursuing the principles of green building construction.

a) Solid Waste Management:

- Waste Plastic & Polythene:
- Organic/Biodegradable Waste:
- Sanitary Waste:
- Non-Biodegradable Waste:

b) Wastewater Management:

c) E-Waste Management:

d) Composting Unit:

e) Agglomerator (Polyethylene to Poly-granule Unit):

f) Sewage Treatment Plant:

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	View File
Geotagged photographs of the facilities	View File
Any other relevant information	No File Uploaded
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
Geotagged photographs / videos of the facilities	View File
Any other relevant information	No File Uploaded
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	A. Any 4 or All of the above
File Description	Documents
Geotagged photos / videos of the facilities	View File
Various policy documents / decisions circulated for implementation	View File
Any other relevant documents	No File Uploaded
7.1.6 - Quality audits on environment and energy undertaken by the institution	

<p>7.1.6.1 - The institution’s initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3.Environment audit 4.Clean and green campus recognitions/awards 5.Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	View File
Certification by the auditing agency	View File
Certificates of the awards received	No File Uploaded
Any other relevant information	View File

<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>
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File Description	Documents
Geotagged photographs / videos of facilities	View File
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

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

The institute has Board for Student Welfare (BSW), NCC and NSS wing to imbibe discipline, harmony, and unity at ease. There is no segregation of students on the basis of their lingual or communal background and they feel safe and secured throughout.

Anti-ragging cell exerts to keep up harmony, tolerance and are ready to take any measures. All-round vigilance and surveillance prevail within the campus. Gender equality is ascertained and encouraged through mixed team sports, events, and leadership roles as well participation in all acts of cultural, and social services to an extent of all most events.

Institute celebrates commemorates days like Sri Mokshagundam Visvesvarayya's birth anniversary, honoring teachers on Teachers Day by reminding the great guru Dr.Sarvepalli Radhakrishnan, Yoga Day. Etc. Women's Day celebrations are encouraged every year among the women and girl students to take up leadership roles and participate actively in all student activities. etc.

Extension activities

- Ghar Ghar Tiranga Har Ghar Tirnga
- Ncc Combined Annual Trg Camp (CATC-III)
- Swachh Bharat Abhiyan Puneet Sagar Scheme
- 75th NCC Day Celebration
- Eye Checkup Camp
- Rural Outreach Program

- World Environmental Day
- Free Eye Checkup Camp
- Hygiene
- Trenching Ground Visit
- Safety
- Free Dental Checkup Camp

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View File

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

The Institute takes pride in the fact that apart from preparing a sound academic foundation of the student community; the Institute constantly works upon to develop them as better citizens of the country. In this regard, apart from imparting professional technical education Institute of Engineering & Science undertakes different initiatives by organizing various activities to sensitize students and employees to the constitutional obligations i.e. values, rights, duties and responsibilities of citizens through celebrations of Republic day, Independence Day, Workshops/ Seminars/ Expert Talks on Universal Human Values and Professional Ethics. On all important occasions and functions, National Anthem is played to inculcate the feelings of respect for our nation & its constitution.

The Institute ensures that the students participate very enthusiastically in all such activities. The Institute has strived forward with great effort to increase the level of awareness and appropriate practices amongst the students with regard to the following areas:

1. National Identities and Symbols
2. Constitutional Obligations, Duties and Responsibilities of citizens
3. The various courses are introduced like Professional Ethics & Human Values & Constitution of India, which are also responsible for sensitizing the students and employees of the Institute to the constitutional obligations.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	View File
Any other relevant information	No File Uploaded

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization 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 Annual awareness programmes on the Code of Conduct are organized

A. All of the above

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 programmes, 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

Institute organizes various commemorative days which are as follows:

Republic Day and Independence Day -Institute celebrates Republic Day and Independence Day every year.

Azadi Ka Amrat Mahotsav - Azadi Ka Amrat Mahotsav was celebrated during August, 17-18, 2022 with various activities like Multi Media Exhibition by Ministry of Information & Broadcasting, Government of India, singing & dancing etc.

Teachers Day -The Institute celebrates the Teacher's Day on September 05 every year.

Engineers Day - 15th September is celebrated as Engineers Day every year. On the occasion of Engineer's Day, Expert Lectures are organized.

World Ozone Day - World Ozone Day is observed on 16 September every year to spread awareness about the depletion of Ozone Layer and possible solutions to preserve it.

National Safety Day - On March 4, various Fire and Safety Activities are organized by the Department of Fire Technology and Safety Engineering.

Computer Literacy Day Organizes Computer Literacy Day on 2 December every year.

Hindi Diwas - Various activities like debate, essay and recitation competitions are organized.

National Science Day - National Science Day is celebrated by the institute on 28th Feb every year.

National Mathematics Day- Institute celebrates National Mathematics Day on December 22 every year.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	View File
Geotagged photographs of some of the events	View File
Any other relevant information	No File Uploaded

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

BEST PRACTICE-1

Title : Cultivating Youth Engagement in Community and Environmental Awareness

Objectives of the Practice

- Encourage youth to develop a strong connection with their local communities.
- Increase environmental consciousness
- Empower youth to take an active role in community and environmental initiatives
- Promote collaboration and teamwork among young participants, fostering a sense of collective responsibility and the ability to work together to address community and environmental issues.

Evidence of Success

Swachh Bharat Abhiyan under Puneet Sagar Scheme, Nutrition & Health Problems in villages, Water and waste management, Sanitation, World Environmental Day Celebration & Eye checkup camp in association with SRJ Netralaya etc.

BEST PRACTICE-2

Title : Fostering a Culture of Entrepreneurship and Innovation

Objectives of the Practice

- To create and strengthen the culture of Innovation and entrepreneurship ecosystem
- To foster innovative ideas, inculcate Entrepreneurship spirit and to promote Start-Ups
- To engage, encourage and channel the creative energy and entrepreneurial potential of youths to build innovations and enterprises.

5. Evidence of Success

AICTE Appointed the IIC to mentor five IICs of the CRO Region:

1. LD College of Engineering (Gujarat)
2. School of Planning & Architecture, SPA (MP)
3. VITM (MP)
4. Symbiosis University of Applied Sciences (MP)
5. SISTech (MP)

File Description	Documents
Best practices in the Institutional website	https://ies.ipsacademy.org/
Any other relevant information	https://ies.ipsacademy.org/wp-content/uploads/2024/04/Best-Practice-2022-2023.pdf

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)

The Institute is distinctive in its priority and thrust of establishing cutting-edge research laboratories with state-of-the-art facilities.

Microfluidics Research Laboratory:

Institute established the microfluidics research laboratory with articulated multidisciplinary objectives and flexibility to accommodate evolving research needs.

Institute has funded for three R&D project proposals:

1. Drug diffusion studies on skin-on-a-chip: Influence of shear stress
2. Effect of biofertilizer on different Rhizosphere microbes in a microfluidic platform
3. Adhesion studies of the pathogenic salivary microbes in a microfluidic platform

Heavy Structure Lab:

Heavy Structure Lab of the institute is a state-of-the-art facility incorporating seismic testing methodologies, and is engaged in basic and applied researches that resolve critical seismic engineering issues.

HIGHLIGHTS OF THE STATE OF ART LAB ARE:-

- Received Grants of Rs 12, 86,000 for "Strengthening of RC Column using GFRP and CFRP under MODROBS scheme from AICTE.
- Received Grant of Rs 14, 50,000/- for "Dynamic Analysis of

SDOF Frame Structures" under MODROBS scheme from AICTE.

- Received Grant of 3, 50,000/- for Earthquake Mitigation & Risk Analysis. (Six Days ATAL FDP)
- Working in collaboration with Dr. Vasily Golubev (Moscow Institute of Physics and Technology, Russia)
- Working in collaboration with Dr. Ilia Nikitin (Institute for Computer Aided Design of RAS Moscow, Russia)

File Description	Documents
Appropriate link in the institutional website	https://ies.ipsacademy.org/wp-content/uploads/2024/04/Institute-Distinctiveness-2022-2023.pdf
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

Strengthen Research & Development in the institute

Institute has been constantly encouraging faculty and students towards research-based activities and achievements. The institute aims at providing, promoting research, development, consultancy and such other profession - promotional activities, involving the faculty at various levels. Such of those faculty, who exhibit initiative and drive by getting substantial grants for R & D works or for strengthening the infrastructure in the institute will be suitably encouraged and receive special appreciation.

Accreditation of PG Programs

The following PG programs are eligible for accreditation as per the condition mention above

1. Structural Engineering
2. Construction Planning & Management

Establishment of Research Centre leading to Ph.D. Degree

The institute is in existence for last 22 years & it has enough credentials for conduct of research activities, such as, state of art laboratories, good number of faculty with PhDs & research publications in SC/ referred journals and patents.

