# YEARLY STATUS REPORT - 2020-2021

| 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./Alternate phone no. | 07314014601 |
| • Mobile no | 9424000460 |
| • Registered e-mail | director.ies@ipsacademy.org |
| • Alternate e-mail | office.ies@ ipsacademy.org |
| • Address | Knowledge Village, Rajendra Nagar, A.B. Road |
| • City/Town | Indore |
| • State/UT | Madhya Pradesh |
| • Pin Code | 452012 |
| **2.Institutional status** | |

| | |
|---|---|
| • Affiliated /Constituent | **Affiliated** |
| • Type of Institution | **Co-education** |
| • Location | **Rural** |
| • Financial Status | **Self-financing** |
| • Name of the Affiliating University | **Rajiv Gandhi Proudyogiki Vishwavidyalaya** |
| • Name of the IQAC Coordinator | **Dr. A. G. Kothari (In place of Prof. Swatilekha Guha)** |
| • Phone No. | **07314014639** |
| • Alternate phone No. | **07314014601** |
| • Mobile | **9822360887** |
| • IQAC e-mail address | **iqac.ies@ipsacademy.org** |
| • Alternate Email address | **ag_kothari@rediffmail.com** |
| **3.Website address (Web link of the AQAR (Previous Academic Year)** | **https://ies.ipsacademy.org/wp-content/uploads/2020/12/Self-Study-Report-1.pdf** |
| **4.Whether Academic Calendar prepared during the year?** | **Yes** |
| • if yes, whether it is uploaded in the Institutional website Web link: | **https://ies.ipsacademy.org/wp-content/uploads/2022/05/academic-calender2020-21.pdf** |

**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 funds by Central / State Government UGC/CSIR/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.,**

| Institutional/Department /Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|---|---|---|---|---|
| **NIL** | **Nil** | **Nil** | **Nil** | **Nil** |

| | |
|---|---|
| **8.Whether composition of IQAC as per latest NAAC guidelines** | **Yes** |
| • Upload latest notification of formation of IQAC | **[View File](#)** |
| **9.No. of IQAC meetings held during the year** | **4** |
| • Were the minutes of IQAC meeting(s) and compliance to the decisions have been uploaded on the institutional website? | **Yes** |
| • If No, please upload the minutes of the meeting(s) and Action Taken Report | **No File Uploaded** |
| **10.Whether IQAC received funding from any of the funding agency to support its activities during the year?** | **No** |
| • If yes, mention the amount | |

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

- **Implementation of Academic Autonomy**

- **Implementation of 360 degrees feedback and AICTE examination reform**

- **Eco system Innovation & Initiatives**

- **Re-Accreditation of 02 UG Programs (FT&SE, ME)**

- **Collaborative Activity/Signing of MoUs**

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

| Plan of Action | Achievements/Outcomes |
|---|---|
| **Award of Academic Autonomy** | **UGC has awarded Academic Autonomy to the institute from the session 2020-2021** |
| **Contribution to the society during Corona pandemic** | **Manufacturing hand sanitizer & the same will be distributed to the other institute of IPS Academy & Municipal Corporation of Indore** |
| | |

| | |
|---|---|
| Implementation of Academic Autonomy | • Formation of Academic Rules & Regulations for UG & PG Programs. • Formation of Rules & Regulations for conduct of examination. • Revised Structure of the program & curriculum • Introduce Design thinking as an MLC Course • Implemented Relative Grading instead of absolute grading |
| Eco system Innovation & Initiatives | • Atal Ranking of Institution on Innovation Achievements (ARIIA-2021) • Top 5 best performing IIC institutes in Central Regional zone. • Mentoring five IICs in CRO Region |
| Collaborative Activity | • Research on |
| Signing of MoUs | • Institute signed MoU with Thakur College of Engineering & Technology, Mumbai (MH) • Moscow Institute of Physics and Tech., Russia |

| 13.Whether the AQAR was placed before statutory body? | Yes |
|---|---|

- Name of the statutory body

| Name | Date of meeting(s) |
|---|---|
| IQAC | 13/07/2021 |

## 14.Whether institutional data submitted to AISHE

| Year | Date of Submission |
|---|---|
| 2022 | 28/03/2022 |

## Extended Profile

### 1.Programme

| 1.1 <br><br> Number of courses offered by the institution across all programs during the year | 654 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

### 2.Student

| 2.1 <br><br> Number of students during the year | 2945 |
|---|---|

| File Description | Documents |
|---|---|

| Institutional Data in Prescribed Format | | View File |
|---|---|---|

| 2.2 Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | 667 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

| 2.3 Number of outgoing/ final year students during the year | 611 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

## 3.Academic

| 3.1 Number of full time teachers during the year | 210 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

| 3.2 Number of sanctioned posts during the year | 215 |
|---|---|

| File Description | Documents |
|---|---|
| Data Template | View File |

## 4.Institution

| 4.1 Total number of Classrooms and Seminar halls | 97 |
|---|---|

| 4.2 Total expenditure excluding salary during the year (INR in lakhs) | 1461.42 |
|---|---|

| 4.3 Total number of computers on campus for academic purposes | 2216 |
|---|---|

| Part B |
|---|

| CURRICULAR ASPECTS |
|---|

## 1.1 - Curricular Planning and Implementation

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

As per the prescribed syllabus of the University, individual faculty uploads unit wise course plan in Campus Management System (CMS) which is a Institute Enterprise Resource Planning developed for ensuring the effective curriculum delivery through a well planned and documented process before commencement of semester. The detailed course file with CO-PO-PSO mapping is prepared by each faculty member. Schedule of internal, external and project examinations are displayed on notice board from time to time and on the website.

Institute has adopted "outcome based approach" for the effective delivery of the curriculum with innovative and creative teaching learning process, tools and techniques by use of ICT, student centric methods, participative learning etc. for enhancing teaching and learning experience. The effective implementation of curriculum is ensured by supplementing classroom teaching with expert lectures, seminars, projects, in-house and industry supported projects, industry visits, industrial internships, hands on-training, tutorials, case studies, e-learning, NPTEL lectures, technical quiz, assignments, mid-term tests, etc. Contents beyond curriculum are identified and taught both in the classroom and in the laboratory to expose students to recent trends in the industry. Departmental Development Committee ensures the progress of syllabus coverage every month. Students' feedback is taken in each semester through CMS system. Continuous assessment for Practical, Term work, Projects, Seminars, internal examination, assignment evaluation is being continuously monitored is done with the help of CMS.

| File Description | Documents |
| --- | --- |
| Upload relevant supporting document | **View File** |
| Link for Additional information | **Nil** |

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

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. DUPC & DPPC have standard procedure

of fortnight monitoring that ensures smooth conduction of lectures and practical sessions. 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, 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 relevant supporting document | **View File** |
| Link for Additional information | **Nil** |

| 1.1.3 - Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the year.  Academic council/BoS of Affiliating University  Setting of question papers for UG/PG programs  Design and Development of Curriculum for Add on/ certificate/ Diploma Courses  Assessment /evaluation process of the affiliating University | **A. All of the above** |
|---|---|

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

## 1.2 - Academic Flexibility

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

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

**18**

| File Description | Documents |
|---|---|
| Any additional information | **View File** |

| | |
|---|---|
| Minutes of relevant Academic Council/ BOS meetings | **No File Uploaded** |
| Institutional data in prescribed format (Data Template) | **View File** |

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

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

**7**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Brochure or any other document relating to Add on /Certificate programs | **View File** |
| List of Add on /Certificate programs (Data Template ) | **View File** |

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

**558**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Details of the students enrolled in Subjects related to certificate/Add-on programs | **View File** |

## 1.3 - Curriculum Enrichment

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

**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 03 courses on professional ethics, 03 courses on human values and 13 courses on Environment & Sustainability & supplemented by 04 activities on human values & 05 activities on environment and sustainability . The details are as follows:**

**Cross Cutting Issue**

**Number**

**Addressed by courses in curriculum/activities**

**Professional Ethics**

**03 Courses**

1. **Professional Ethics (Course)**
2. **Professional Practice Law & Ethics (Course)**
3. **Disaster Management (Course)**

**Human values**

**03 Courses**

**04 Activities**

1. **Stress Management(Course)**
2. **Industrial Psychology(Course)**
3. **Rural Outreach (Course)**
4. **Workshop on Universal Human Values (Activity)**
5. **Role Play (Activity)**
6. **Elocution (Activity)**
7. **Dream to Dare (Activity)**

**Environment & Sustainability**

**13 Courses**

**05 Activities**

1. **Environmental Engineering (Course)**
2. **Environmental issue, Policy, Standard & Regulation (Course)**
3. **Power Electronics Converters for Renewable Energy (Course)**
4. **Renewable & Non-conventional Energy System (Course)**
5. **Environment Protection & Waste Management (Course)**
6. **Safety, Health & Environment Laws (Course)**
7. **Water Supply and Waste Water Engineering (Course)**
8. **Energy, Environment, Ecology & Society (Course)**
9. **Risk and Safety Management (Course)**
10. **Energy Conservation Techniques in Building Construction (Course)**
11. **Waste to Energy (Course)**
12. **Urban Planning and Sustainable Construction (Course)**
13. **Non Conventional Energy Sources and Energy converters(Course)**
14. **Workshop on Waste to Wealth (Activity)**
15. **Workshop on Advances on Waste Valorization (Activity)**
16. **Workshop on Renewable energy Sources & Technologies for Sustainable Environment (Activity)**
17. **Workshop on Pollution to Solution (Activity)**
18. **Workshop on Waste Mitigation for Cleaner & Sustainable Environment (Activity)**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum. | **View File** |

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

50

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

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

1885

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

## 1.4 - Feedback System

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

| File Description | Documents |
|---|---|
| URL for stakeholder feedback report | **https://ies.ipsacademy.org/wp-content/uploads/2022/05/1.4.1.pdf** |
| Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management | **No File Uploaded** |
| Any additional information | **No File Uploaded** |

| 1.4.2 - Feedback process of the Institution may be classified as follows | **A. Feedback collected, analyzed and action taken and feedback available on website** |
|---|---|

| File Description | Documents |
|---|---|
|  |  |

| | |
|---|---|
| Upload any additional information | **No File Uploaded** |
| URL for feedback report | **https://ies.ipsacademy.org/feedback-analysis-action-taken/** |

## TEACHING-LEARNING AND EVALUATION

**2.1 - Student Enrollment and Profile**

**2.1.1 - Enrolment Number Number of students admitted during the year**

**2.1.1.1 - Number of students admitted during the year**

817

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

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

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

341

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

**2.2 - Catering to Student Diversity**

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

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 freshers. Principal of institute address the freshers which covers the introduction of IPS Academy, Institute of Engineering & Science. Principal further 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 Good Poor**

**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. Research paper writings and participation in conferences/seminars, hackathon and other Co-curricular activities.**

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

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

| Number of Students | Number of Teachers |
|---|---|
| **2945** | **210** |

| File Description | Documents |
|---|---|
| Any additional information | **View File** |

## 2.3 - Teaching- Learning Process

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

**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
- Expert lectures, seminars, workshops, paper presentation and case studies are arranged for Students in every semester to give hands on experience to students.
- Wi-Fi facility is available in the campus to allow students to access technical resources.
- Institute Central Library is well equipped with technical magazines, journals and NPTEL lectures videos and e-books/e-journals.
- Design studio is established to develop and enhanced practical exposure and approach of students towards field of construction.

**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 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.
- Real time, society based and industry sponsored projects and community projects are allocated to students.
- Faculty and Students are motivated to participate in NPTEL Online Courses and Exams.
- Students encourage for problem solving through tutorials.
- Design thinking course introduced in first year.

**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 skills to the students.
- A mentor is assigned for every 15-20 student.
- The institute promotes social awareness in the students through different activities.
- In projects/competitions, participating students are assigned different tasks, assignments, activities in which students

engage in complex, challenging problems and collaboratively work toward their solutions by using inter-disciplinary knowledge e.g. ROBOTICS, BAJA etc.

Design Subjects such as Process Equipment Design, Reactor design, Structural Design (RCC and Steel), Machine Design, Analog Circuit Design, Computer Aided Design of Machines etc. are being taught in each discipline of Engineering. Institute also has initiated design studio in civil engineering.

| File Description | Documents |
| --- | --- |
| Upload any additional information | **View File** |
| Link for additional information | **Nil** |

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

- **Information & Communications Technology (ICT) enabled teaching methodologies and advanced technologies are being followed by the faculty members in class rooms.**
- **The academic plan, lesson plan, lab manuals and question banks with solution are made available at the very beginning of the semester.**
- **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 using the resources from National Programme on Technology Enhanced Learning (NPTEL) to enhance the learning experience. Web and video courses (offline) from NPTEL are accessible to faculty and students from the server installed in the library.**
- **Online tests are conducted.**
- **Online classes have been conducted during COVID period.**
- **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**
- **Online feedback on faculty and institute infrastructure is taken.**

**CAMPUS ACTIVE**

**The Computer Science & Engineering Department of the institute 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 (example: COs, POs and PSOs). Also, the tool is an online-platform that is meant to manage the entire procedure being it the allocation of courses to the faculty, student attendance, internal assessment, end-semester assessment etc.

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Provide link for webpage describing the ICT enabled tools for effective teaching-learning process | **No File Uploaded** |

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

## 2.3.3.1 - Number of mentors

210

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

## 2.4 - Teacher Profile and Quality

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

210

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

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

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

56

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

Template)

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

### 2.4.3.1 - Total experience of full-time teachers

1579.58

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| List of Teachers including their PAN, designation, dept. and experience details(Data Template) | **View File** |

## 2.5 - Evaluation Process and Reforms

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

Institute follows AICTE exam reforms 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.

Mechanism of internal assessment

- Two internal examinations in each semester
- Term work (TW) assessment
- Project work assessment

Transparency in internal assessment

Complete transparency is maintained in all forms of internal evaluations.

- Mid-sem valued answer sheets are distributed and discussed with students
- Remedial test is planned for students
- Examination results are displayed on notice boards and CMS (Campus Management System)
- Overall performance, attendance, feedback about the student is communicated to parents by mentor faculty

The Institute has developed an integrated Enterprise Resource Planning Software (Campus Active). The following examination activities are done using the Campus Active:

1. Online Exam Management

2. Bulk uploading of marks.

3. Result Preparation

3. Generation of semester grade card.

4. Generation of Provisional Certificates etc.

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| Link for additional information | **Nil** |

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

The institute has evolved a mechanism for redressal of grievances related to internal and external evaluation, which is as follows:

Internal Examinations:

- The marks scored by the students in the mid-term tests are displayed by the concerned teacher within 7 days of exams. The assessed mid-term test papers are shown to the students for self-assessment.

- In case of any grievances regarding internal assessment, the student is free to interact with the teacher and get it resolved.

End Semester Examination

Prior to autonomy the external examination related grievances redressed as per the RGPV university norms; following are the methods of grievance redressal:

1. The Superintendent of Examination Centre shall take action against the Examinee who is found using or attempting to use unfair means in the examination hall.

1. The candidate who appeared to university examination can apply revaluation to the university within a period of 15 days from the date of declaration of the concerned examination result.

After autonomy the external examination related grievances redressed as per the Institute Academic Rules & Regulation for Examination (ARR); following are the methods of grievance redressal:

1. The valued answer scripts of End Semester Examination shall be shown to the student and there is a mechanism for redressal to his/her grievances through faculty/HoD. A candidate who still is not satisfied, after the perusal of answer sheets, the grievances is redress by DUPC or DPPC.
2. A candidate who is not satisfied, after declaration of result, may apply to the Controller of Examination for revaluation of any of his/her answer books in the prescribed form within 20

**days of the declaration of his/her result for the revaluation any of his/her answer books.**

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| Link for additional information | **Nil** |

## 2.6 - Student Performance and Learning Outcomes

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

**Institute has well defined Program outcomes (POs), program specific outcomes (PSOs) and course outcomes (CO) for all programs.**

**Teachers are conversant with POs, PSOs of the programs and their attainments. Vision and mission of the institute 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/ Departments.**

**COs 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 admitted 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 any additional information | **No File Uploaded** |
| Paste link for Additional information | **https://ies.ipsacademy.org/ce-po-peo/** |
| Upload COs for all Programmes (exemplars from Glossary) | **View File** |

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

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

PROGRAM OUTCOMES:

These are narrower statements that describe what students are expected to know and be able to do by the time of graduation. In addition, program will specify 2-4 Program Specific Outcomes (PSOs).

COURSE OUTCOMES:

These describe the attainment of the students at the time of completion of course. While framing COs the following verbs will be used like analyse, apply, demonstrate, design, evaluate, prepare, explain, present, formulate. Each course of the program shall have 5-6 Cos.

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 ($\geq$) y% marks

L2 (x + $\Delta$x) % students scoring ($\geq$) y% marks

L3 (x + 2 $\Delta$x) % students scoring ($\geq$) 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 x (CODI) + 0.2 x (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 during the year

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

**591**

| File Description | Documents |
|---|---|
| Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template) | **View File** |
| Upload any additional information | **View File** |
| Paste link for the annual report | **Nil** |

## 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 - Resource Mobilization for Research

## 3.1.1 - Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

## 3.1.1.1 - Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the year (INR in Lakhs)

**20.26**

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| e-copies of the grant award letters for sponsored research projects | **View File** |

| /endowments | |
|---|---|
| List of endowments / projects with details of grants(Data Template) | **View File** |

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

### 3.1.2.1 - Number of teachers recognized as research guides

0

| File Description | Documents |
|---|---|
| Any additional information | **No File Uploaded** |
| Institutional data in prescribed format | **No File Uploaded** |

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

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

1

| File Description | Documents |
|---|---|
| List of research projects and funding details (Data Template) | **View File** |
| Any additional information | **No File Uploaded** |
| Supporting document from Funding Agency | **View File** |
| Paste link to funding agency website | **Nil** |

## 3.2 - Innovation Ecosystem

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

**Institute Innovation Council (IIC)**

**Ministry of Education, Govt. of India has established its "Innovation Cell" at IPS Academy, Institute of Engineering & Science, Indore for Technical Education with a purpose of systematically fostering the culture of Innovation.**

**The IIC at IPS Academy Institute of Engineering & Science was ranked as follows:**

- **Top 25 best performing IIC by MHRD GoI and felicitated at AICTE New Delhi for the academic session 2018-19.**
- **Top 5 best performing IIC institutes in Central Regional zone for the academic session 2019-20.**

**Mentoring five IICs in CRO Region**

- **L.D. College of Engg, Ahmedabad Gujrat**
- **School of Planning & Architecture, Bhopal MP**
- **Sagar Institute of Science & Technology, Bhopal MP**
- **Symbiosis University of Applied Sciences, Indore MP**

**Vikrant Institute of Technology and Management, Indore MP**

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

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

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

**9**

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

## 3.3 - Research Publications and Awards

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

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

**0**

| File Description | Documents |
|---|---|
| URL to the research page on HEI website | **Nil** |
| List of PhD scholars and their details like name of the guide , title of thesis, year of award etc (Data Template) | **No File Uploaded** |
| Any additional information | **No File Uploaded** |

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

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

**45**

| File Description | Documents |
|---|---|
| Any additional information | **View** |

| | **File** |
|---|---|
| List of research papers by title, author, department, name and year of publication (Data Template) | **View File** |

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

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

3

| File Description | Documents |
|---|---|
| Any additional information | **View File** |
| List books and chapters edited volumes/ books published (Data Template) | **View File** |

## 3.4 - Extension Activities

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

Institute follows a mechanism for students' involvement in various social activities which promote citizenship roles. Besides this, the institute organizes other activities also as per need and availability of time without affecting academics.

Extension activities

- Rural Outreach
- Science Exhibition
- Tree Plantation
- Health Checkup
- Blood Donation
- Joy of Giving,
- Weather Station
- Awareness of Swacha Bharat Abhiyan
- Yoga & Stress Management
- Gandhi Global Solar Yatra
- Teaching school children of under developed areas
- Traffic Management of cities.
- Collaboration with Sevadham ashram

Rural Outreach

The objective is to involve engineering graduates and leverage their practical knowledge for betterment of villages.

The students of the institute visit the villages to prepare detailed studies under various headings like source of water, health facilities, culture, transport, roads and connectivity from other areas, public services, agriculture, education facility etc.

**Extension Activities during COVID 19 Period**

- **Covid -19 Awareness Program**
- **Janta Annapurna Yojana (Food Distribution)**
- **Sugam Awagaman Yojana (Transportation)**
- **Mask & Sanitizer making & Distribution**

**Extension Activities Awards**

- **Certificate of Appreciation for significant contribution in "One Student One Tree" initiative by AICTE.**
- **Best Implementation Award - Unnat Bharat Abhiyan (Ministry of Education)**
- **Awarded by RGPV for Best Green Practices adopted in the field of Energy Conservation.**
- **Awarded by AICTE under USVA 2020 under the following two categories:**

1. **First Rank for its significant contributions in Category - Details of Other Support provided against the spread of COVID-19 across India.**
2. **First Rank for its significant contributions in Category- How innovatively you are conducting classes for students of your .institution during lockdown period against the spread of COVID-19 across India.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **https://ies.ipsacademy.org/wp-content/uploads/2022/05/3.4.4.pdf** |
| Upload any additional information | **No File Uploaded** |

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

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

**2**

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

**3.4.3 - Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., ( including the programmes such as Swachh**

Bharat, AIDS awareness, Gender issues etc. and/or those organized in collaboration with industry, community and NGOs ) during the year

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

5

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

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

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

146

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

**3.5 - Collaboration**

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

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

2

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

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

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

2

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

## INFRASTRUCTURE AND LEARNING RESOURCES

**4.1 - Physical Facilities**

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

The institute 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:

Room Type

Nos.

Workshop

| Room Type | Nos. |
|---|---|
| Classroom | 72 |
| Drawing Hall | 3 |
| Laboratory | 127 |
| Research Laboratory | 1 |
| Seminar Hall | 06 |
| Tutorial Room | 15 |

**Administrative Area:**

| 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

Amenities Area:

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 2216 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. Few 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, sports, games (indoor, outdoor), gymnasium, yoga centre 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 institute 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, Rifle Shooting, 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.

# Sports Facilities

## OUTDOOR GAMES

| S.NO. | Name of Sports | Specification | Area (sq. m) |
|---|---|---|---|
| 1 | FOOTBALL | GROUND 1 150 m X 120 m | |
| | | GROUND 2 180 m X 150 m | 45000 |
| 2 | VOLLEYBALL | | |
| 3 | CRICKET FIELD | | |
| 4 | HOCKEY | | |
| 5 | HANDBALL | | |
| 6 | KABADDI | | |
| 7 | KHO-KHO | | |
| 8 | ATHLETICS TRACK | | |

9

HORSE RIDING

75 m X 35 m

2625

10

BASKETBALL (2 Court)

28 m X 15 m

28 m X 15 m

1950

11

DRILL GROUND

GROUND 1

75 M x 70 M

GROUND 2

90 M x 65 M

11100

12

LAWN TENNIS (2 Court)

23 m X 13 m

23 m X 13 m

676

INDOOR GAMES

1

BADMINTON

15 m x 7 m

210

2

**TABLE TENNIS HALL**

25 m X 10 m

250

3

**JUDO ROOM**

15 m X 10 m

150

4

**TAEKWONDO**

15 m X 10 m

150

5

**SWIMMING POOL**

25 m X 10 m

250

6

**RIFLE SHOOTING**

15 m X 10 m

150

7

**GYMNASTICS**

15 m X 10 m

150

**Physical Education Instructors**

**S.NO.**

**Name**

**POST**

| | NAME | DESIGNATION | QUALIFICATION | EXP. |
|---|---|---|---|---|
| 1 | Mr. Yagnesh Pathak | Sports officer | B.P.E.,M.P.E. (PHY.EDUCATION) | 19 Yrs |
| 2 | Mrs. Pooja Pathak | Asstt.Sports officer | B.P.E., M.P.E.(PHY.EDUCATION) | 10 Yrs |
| 3 | Mr. Mahendra Yadav | Coach (Basketball) | B.A.,M.A. | 21 Yrs |
| 4 | Mr. Sachin Rathore | Coach (Horse Riding) | B. Com,LLB | 22 Yrs |
| 5 | Mr. Vikram Verma | Coach (Swimmimg) | B. Com | 14 Yrs |

**6**

**Mr. Akash Borasi**

**Coach (Yoga)**

**B. Com, Diploma (Yoga)**

**04 Yrs**

| File Description | Documents |
|---|---|
| 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 such as smart class, LMS, etc.

**97**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| Paste link for additional information | **https://ies.ipsacademy.org/wp-content/uploads/2022/05/4.1.3_Final_Proof.pdf** |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | **View File** |

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

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

**65.36**

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

## 4.2 - Library as a Learning Resource

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

The library of the institute spanning over an area of 1150 square meter including reading room. Library is equipped with Software "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. Our institute has the latest version of the software i.e. SOUL 2.0.

Name of ILMS software: SOUL

Version: 2.0

Year of Automation: 2010

The Library is automated with several terminals available in the library. The Library of the institute provides facility for the benefit of students, faculty 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 37820 books including reference books. The institution has subscription for the e resources like e-journals, e-ShodhSindhu, Shodhganga Membership and e-books.

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Paste link for Additional Information | Nil |

| 4.2.2 - The institution has subscription for the following e-resources e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access toe-resources | A. Any 4 or more of the above |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | **View File** |
| Details of subscriptions like e-journals,e-ShodhSindhu, Shodhganga Membership etc (Data Template) | **View File** |

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

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

20.59

| File Description | Documents |
|---|---|
| | |

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

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

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

44

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

## 4.3 - IT Infrastructure

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

In this electronic communication era, the internet communication is very important in teaching learning process. To fulfill the norms of AICTE, 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 secured in that it has its own firewalls and anti-virus/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 are 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 faculty and students for their academic needs in their respective departments.

- Name of the Internet provider : Airtel
- Available band width : 1 Gbps
- Access speed : Good
- Availability of internet in an exclusive lab : Yes
- Availability in most computing labs : Yes
- Availability in departments and other units : Yes

- **Availability in faculty rooms : Yes**
- **Institute's own-mail facility to faculty/students : Yes**
- **Security/privacy to e-mail/internet users : Yes**

**Institute updates the IT facilities from time to time based on technological changes. Every year the institute provides enough funds in the annual budget and spends on updating IT facilities.**

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

## 4.3.2 - Number of Computers

**1822**

| File Description | Documents |
|---|---|
| Upload any additional information | **No File Uploaded** |
| List of Computers | **View File** |

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

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

## 4.4 - Maintenance of Campus Infrastructure

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

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

**919.34**

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

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

The institute adopts an established systems and procedures for maintaining the physical, academic and support facilities. There are institute level committees as given below that look after the various aspects of the utilization and maintenance of the physical, academic and support facilities. The role and responsibilities of committees are given below.

General civil maintenance and upkeep of civil infrastructure is carried out by the institute level. Repair and Maintenance of laboratory equipments/instruments are initiated by the respective Laboratory-In-charge as and when required. The purchase committee handles the repair/maintenance/calibration request appropriately by placing order to the respective equipment experts. History cards of the equipments are maintained, which indicates the maintenance/repair/calibration of the respective equipments. As a precautionary measure laboratory in charge, along with laboratory technician, ensures proper working of all equipments at the beginning of each semester.

- A budget is annually allocated for maintenance of the physical facilities of the institute.
- The classrooms, laboratories, seminar halls, and library facilities are utilized regularly by the students for the learning processes and timetables/logbooks indicate the regular utilization of the respective facilities.
- The maintenance and housekeeping of the classrooms, laboratories, library, and the institute as a whole are taken care by non-teaching staff of the institute.
- The institute has adequate number of computers with internet connections and required software's distributed in different locales like office, laboratories, library, departments etc.
- There are computer/software laboratories for each department and a central computer laboratory with proper networking for internet access.
- The library has a reading hall and separate computers for students to access e-journals, e-books, while the subscribed e-journals can also be accessed from any networked computer in the institute.
- All the computer related facilities including hardware, computer peripherals, and UPS are maintained at institute level by computer science department.
- Anti-virus software is purchased and is renewed annually for the smooth working of all the computers in the institute.
- The maintenance of water coolers, EPABX system, and Air conditioners in the institute is carried at institutional level 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.

- **The sports facility of the institute is handled by a sports coordinator and these facilities are made available to all the students of the institute.**
- **Emergency exits and firefighting system are provided to counter situations like fire hazard and natural calamities.**

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

## STUDENT SUPPORT AND PROGRESSION

**5.1 - Student Support**

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

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

**969**

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

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

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

**20**

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

| | |
|---|---|
| **5.1.3 - Capacity building and skills enhancement initiatives taken by the institution include the following: Soft skills Language and communication skills Life** | **A. All of the above** |

**skills (Yoga, physical fitness, health and hygiene) ICT/computing skills**

| File Description | Documents |
|---|---|
| Link to Institutional website | **Nil** |
| Any additional information | **View File** |
| Details of capability building and skills enhancement initiatives (Data Template) | **View File** |

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

**494**

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

**3644**

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

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

**A. All of the above**

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

**5.2 - Student Progression**

**5.2.1 - Number of placement of outgoing students during the year**

**5.2.1.1 - Number of outgoing students placed during the year**

**266**

| File Description | Documents |
|---|---|
| Self-attested list of students placed | **View File** |
| Upload any additional information | **View File** |
| Details of student placement during the year (Data Template) | **View File** |

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

**5.2.2.1 - Number of outgoing student progression to higher education**

**25**

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

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

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

**21**

| File Description | Documents |
|---|---|
| Upload supporting data for the same | **View File** |
| Any additional information | **No File Uploaded** |
| Number of students qualifying in state/ national/ international level examinations during the year (Data Template) | **View File** |

**5.3 - Student Participation and Activities**

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

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

**3**

| File Description | Documents |
|---|---|
| e-copies of award letters and certificates | **View File** |
| Any additional information | **No File Uploaded** |
| Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national/international level (During the year) (Data Template) | **View File** |

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

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.

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

1. Academic Activities

The students contribute as an active member in curriculum design and development of the institute as special invitees on BoS member and advisory board members.

2. Discipline & Anti-Ragging:

The student representative of all the departments in the Discipline and Anti-ragging Committee confirms discipline and ragging free environment in the institute.

3. Cultural & Sports:

The student representatives of this committee, co-ordinates various cultural activities and events throughout the year. "Swaranjali"- Annual Cultural and Sports Event, "Voice of IES"- Singing Competition, Football, Cricket etc.

4. Technical Activities:

Every year various technical events are organized by the various departments of the institute like SRUJAN, ENIVSAGE, SAMEEKSHA etc, for which students are nominated to co-ordinate and conduct the events successfully.

Following are the technical events being organized by the institute:

**SRUJAN**

Civil Department organizes annually one week National Seminar on various themes. The seminar is symphony of various events including Expert lectures, Panel Discussion, Plantech, Instridge & various on the spot events.

**SAMEEKSHA**

Annual quiz event tests the normal Intelligentsia and Knowledge in general Civil Engineering.

**ENVISAGE**

Technical Fest organized by students of CSE department which is attended by approx 1800 students of all over India. The speakers who have delivered expert lectures are; Prof. Yashavant Kanetkar, Prof. Atul Kahate, Prof. E. Balagurusami and many more. The various events like paper presentation, ROBO war, LAN Gaming, Treasure Hunt, etc. have been organized.

**NEEV**

Civil Engineering Department organizes its annual event "NEEV", National Level Student's Paper Presentation every year since last 8 years in April.

**Society of Automotive Engineers, India (BAJA SAE India)**

The BAJA SAE Series is an event for the UG students to design, fabricate and validate a single seater four - wheeled off road vehicle to take part in series of events.

**Linguister Student Club**

Linguisters is a literary club, an initiative by students of Department of Electronics and\ Communcation to provide a platform for the students to foster their soft skills and to reduce their stage fear various activities are organized under the club for all students.

**4. Extension Activities**

Any education is incomplete without social awareness. Committee carrying out different activities such as Blood donation Camp, Swachchata Pakhwada, Yoga day, Tree plantation, Traffic awareness camp etc

**5. Organization of Special Events**

Students organize National Teachers day, IES Foundation day celebrations on 23 Sept. and other National celebrations like Engineers day, Science day, Hindi Diwas, Ozone day, Telecommunication day, Safety day, Computer Literacy day, Natural Disaster day, Woman's day, Energy Conservation, Fire Service day etc.

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

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

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

1

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

## 5.4 - Alumni Engagement

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

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 encourage the students of the Institute and members of the Association for research & development work in various fields like engineering, computer Industrialization etc.
- To mentor the students of the Institute for higher education and development of character.
- Promote the Industry-Institute interaction to bridge the gap between industry requirements and education offered and enhance

students' employability.

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 and development of value added course module, also involved in the curricular gap identification through feedback on curriculum.

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 who are entrepreneurs arranges industrial visits to the students and provide inputs on how to start a new venture to turn 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 |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | **View File** |

| 5.4.2 - Alumni contribution during the year (INR in Lakhs) | E. <1Lakhs |
|---|---|

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |

## GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 - Institutional Vision and Leadership

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

VISION:

To be the fountainhead of novel ideas & innovations in science & technology and persist to be a foundation of pride for all Indians.

MISSION:

- 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.

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 Governors (BOG), Internal Quality Assurance Cell (IQAC), Advisory Board Committee (ABC), Head of the Departments (HoDs), the Deans, 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.

The Principal of Institute is assisted by the Deans, HoDs and coordinators of various cells/committees in decision making process of the Institute. Faculty and staff are assigned with the roles and responsibility to work in a harmonious environment with complete transparency. Internal Quality Assurance Cell (IQAC) constituted as per NAAC guidelines has a well-developed process to ensure quality benchmarks of academic and administrative activities.

The Institute maintains the culture of retention of faculty and hence has an edge of dedicated faculty for realizing its Vision. Institute follows recruitment policies and service conditions as per the rules and regulations of regulatory authorities AICTE/UGC. Fair representation of women faculty is also ensured at all levels of organization and congenial environment is fostered.

Based on the Vision and Mission of the Institution, Quality Policies are framed and driven by the needs of the corporate world, society and stakeholders. Institute has a perspective plan developed by Principal and HoD's with advice of Internal Quality Assurance Cell (IQAC), Advisory Board

Committee (ABC) under the guidance of Governing Body (GB). Deployment of the quality policy is done by providing requisite academic infrastructure, learning environment and harmonious work culture. Student's surveys and feedback from all the stakeholders plays vital role in framing and revising the policies.

The Departmental Development Committee (DDC) formulates perspective plan taking into consideration inputs from all stake holders and the Advisory Board Committee (ABC). This plan is presented and deliberated in Internal Quality Assurance Cell (IQAC) under the Chairmanship of Principal to get consensus. This plan is forwarded to the Board of Governors (BoG) for approval.

The Institution policy believes involvement of all faculty and staff in decision making. To streamline the same, various committees (such as Advisory Board Committee, Department Development Committee, Class co-ordinator Committee etc.) at institute level are formed which looks after academic and administrative activities which leads to the realization of vision and mission of the institute.

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

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

The institute constituted various functional committees to decentralize the administration and decision making. The institute has achieved the coveted status of Autonomous from UGC and got accredited by NBA for many of its UG programs.

Committees with active participation from faculty & students

- Anti ragging & Discipline Cell
- Women Development Cell
- Internal Complaint Cell
- Grievance Redressal Committee
- Finance Committee
- Examination Committee
- Library Advisory Committee

Decentralization of financial powers

- Principal: Rs. 2 Lacs
- HoDs: Rs. 50,000

Leadership Development Program attended by faculty

- CMI Level 5 Certified in Management & Leadership under AICTE UKIERI Technical Leadership Development Program

  - Dr Archana Keerti Chowdhary Principal (2019-20)
  - Dr Sanjay Jain Head Mech Engg (2019-20)
  - Dr Namrata Tapaswi Head Computer Sc Engg (2020-21)

- Capacity Building Program under TEQIP III organized by IIM Indore

  - Dr Rajesh Kaushal Head Chemical Engg (2019-20)
  - Dr Praveen Patel Head Fire Tech & Safety Engg (2019-20)
  - Dr Rupesh Dubey Head Elex & Comm Engg (2019-20)

Faculty regularly participates in department meetings on Institutional Policies, Academic Regulations, Curriculum,

Examination pattern, Research Incentive Policies, NBA and NAAC Accreditation Process, etc. Heads of the departments in consultation with the faculty & staff submit the budget proposals to the Principal which through Finance Committee and Board of Governance are approved and expended.

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

## 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ perspective plan is effectively deployed

The strategic plan of institute is built on the Vision and Mission of the Institute. Based on the assessment of the SWOC analysis, institute has clearly defined its strategic plan. The strategic plan outlines the key steps the institute needs to take to provide quality education, career guidance on employment, entrepreneurship, research and higher education for the students and faculty. The plan identifies the need to constantly upgrade

- The teaching learning processes
- Student - faculty involvement in research and development
- Opportunities in higher education and entrepreneurial activity
- International collaboration in research, faculty and student exchanges and joint projects etc.

The Strategic Plan identifies some broad areas to focus upon:

- Establishment of Research Center leading to Ph. D. degrees.

- Establishment of Technology Business Incubators (TBI) to support the start-ups and enhancement in the entreprenurship skills amongst students.

- Enhancement in the employability skills of students through their exposure to Industries/ Internships/ Skill Based Professional courses, etc.

- Enhancement in the quality of Teaching – Learning – Evaluation through accreditation processes at National Level (NBA/ NAAC/ AICTE) and Academic Autonomy.

The deployment of the Strategic Plan in terms of the International collaboration in research, faculty and student exchanges is briefly presented below:

International Collaboration started in 2020 through the India science and research fellowship (ISRF) program 2020.

| File Description | Documents |
|---|---|

| | |
|---|---|
| Strategic Plan and deployment documents on the website | No File Uploaded |
| 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 institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

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.

Responsibilities

- To set and monitor the organization's mission, purpose, direction, priorities and strategies within the boundaries of the organizational policies and bye-laws.
- To approve the institution of new programs of study, leading to the award of Degrees and/ or Diplomas.
- To develop policies that allows the organization to serve well all its stakeholders.
- To monitor the organization's programs and services by influencing decisions and finances.
- To monitor development, the direction and growth of the institute and issue directions and recommendations.
- To perform such other functions and institute committees, as may be necessary and deemed fit for the proper development and fulfill the objectives of the institute.
- To approve appointments made by the Selection Committee.

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.

- **Awareness of staff recruitment is made utilizing Newspaper and electronic media and widely broadcasted to attract fresh talents and skills.**
- **The institute website publishes information on fresh vacancies and appointments for new posts.**
- **The academic calendar and all activities (curricular and beyond), and the same information is accessible on the institute web site.**

**The Advisory Board of the department consists of the following;**

- **Principal - Chairman**
- **Head of the concerned department.**
- **Two external members - Academicians**
- **Two external members - Industrialists**
- **Faculty members of the department**

**Responsibilities**

- **Strategic Planning (five-year plan)**
- **Monitoring of Institute performance**
- **Monitors the attainment of Vision /Mission/PEOs/POs**
- **Monitors the attainment of Five-year plan**
- **Evaluation of Departmental Five-year plan**
- **Taking suggestions from all stake holders and its sub committees.**
- **To provide the developmental and application of quality benchmarks/ parameters for the various academic and administrative activities of the institution.**
- **To monitor promotion, implementation and continuous improvement of innovations in Curriculum, Co-curricular and Extra-curricular activities and facilities of the institution.**
- **To recommend the Governing Body on any matter, which it may consider necessary for the fulfillment of the objectives of the institute for consideration and approval.**

| File Description | Documents |
|---|---|
| Paste link for additional information | **Nil** |
| Link to Organogram of the institution webpage | **https://ies.ipsacademy.org/organizational-structure/** |
| Upload any additional information | **No File Uploaded** |

| 6.2.3 - Implementation of e-governance in areas of operation Administration Finance and Accounts Student Admission and Support Examination | **A. All of the above** |
|---|---|

| File Description | Documents |
|---|---|
| ERP (Enterprise Resource Planning)Document | **No File Uploaded** |
| Screen shots of user inter faces | **View File** |
| Any additional information | **No File Uploaded** |
| Details of implementation of e-governance in areas of operation, Administration etc(Data Template) | **View File** |

## 6.3 - Faculty Empowerment Strategies

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

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

**1) IPS Sakh Sahakari Santha Matyadit: The IPS Sakh Sahakari Santha Matyadit Started by the Society of the Institute for the welfare of all employees. The loan facilities are given to all employees working in the institute.**

**2) Uniform for Faculty**

**Uniforms are provided to all faculty members once in a year.**

**3) Maternity leave: 3 Months maternity leaves are provided to women employee after completing probation of 1 years.**

**4) Medical facility within the Institution: This facility is available for all staff and students.**

- **A Qualified Medical Practitioner is available every day between 9:30-5.00 p.m on the campus health centre.**
- **He isbeing assisted by a qualified medical assistant, who is available throughout the institute working hours.**
- **Number of ambulances within the Institution:one**
- **Facility in ambulances:First Aid**

**5) Deputation of faculty for research:**

- **The faculty are sponsored Rs. 15000/- maximum twice in a year for presenting papers in seminars, attending seminars, conferences, workshops, faculty development programs etc. The amount may exceed as per the requirement of the program in special cases.**
- **Institute provides incentives of Rs. 8000/- per publication in journals indexed by web of science citation index (SCI)/Social science citation index /Arts and humanities citation index , and Rs. 3000/- per publication in peer reviewed journals national as an award to encourage the faculty in Research and development.**

- Institute provides incentives to the faculty's pursuing PhD as in terms of increment the salary.

6) Other Welfare Schemes:

- The staff on official work is compensated for the conveyance expenses (TA/DA).

- Staff deputed for any outstation programs is reimbursed the amountby the administration.

- Subsidized lunch & snacks facility is provided.

- Free lunch coupons are provided under a general scheme to help staff in times of need.

- Free medical facility is provided in the campus, apart from medical leaves and medical allowances.

- 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 faculty at minimum expenses.
- Fee subsidy for wards of the employees.

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

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

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

143

| 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 programs organized by the institution for teaching and non-teaching staff during the year**

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

22

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

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

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

142

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

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

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. The faculty has to provide the details with necessary documents as given in the 360 degree feedback.

360 degree score of faculty shall be determined on the basis of following factors:

Annexure I

1.Teaching Process

2.Student's feedback

3.Departmental activities

4.Institute activity

5.Contribution to the society

Annexure II – Research and Academic Contribution

Annexure III – Self Assessment of Participation in Research & Academic Contribution Annexure IV – Annual Confidential Report

All faculty members are required to furnish the information (along with the documentary proof) and assess their score as per formats A to E appended as annexure – I. Further they are supposed to fill the information as per annexure – II & self assess their score as per instruction given. This may be useful to the faculty at the time of promotions. The faculty is also required to self assess the score on research & Academic contribution as per guidelines given in annexure-III. This will be used for evaluating 3600 feedback score by HOD. Annexure I, II & III (duly filled & self assessed) shall be forward to HOD, at the end of every academic session. The information for item F will be filled by the respective HoDs who in turn shall evaluate the total feedback score as per format given in annexure - IV.

The annual increment is released only when the minimum 3600 feedback score on a 10 point scale is 6.5.

Appraisal System for Non Teaching Staff:

The non-teaching staff's evaluation is based on the following criteria:

- Jobs Assigned/ Areas of individual responsibility
- Highlight outstanding achievement if any

The marks as per the rubrics also have to be filled up by the non-teaching staff themselves. Based on the online Appraisal form submitted by them, the HOD of the department verifies the same and forwarded to the Principal along with CR i.e. confidential report of each non-teaching staff.

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

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly Enumerate the various internal and external financial audits carried out during the year with the

mechanism for settling audit objections within a maximum of 200 words

Financial 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 |
|---|---|
| Paste link for additional information | **Nil** |
| Upload any additional information | **View File** |

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

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

0

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

6.4.3 - Institutional strategies for mobilization of funds and the optimal utilization 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 Institute has a well defined procedure to monitor effective and efficient utilization of available financial resources for infrastructure development and academic processes. Every year, the Principal of the institute takes the approval for the sanctioned budget taking into consideration the requirement of every Department. Each Department prepares the budget based on the requirement such as equipment, computer as well as consumable required for next academic session. The budget is reviewed by the management and approved after necessary changes. As and when required, the institute makes a provision for advance additional fund. The Principal and the Head of Departments discuss the requirement and decide the priorities while allotting financial resources for various purposes; and also ensure optimum use of available financial resources. The Institute has standardized procedure for sanctioning of funds for various activities and also for settlement of advance and passing of bills for payment.

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 faculty.

The Institute has constituted a separate purchase Committee comprising of Management representative, Principal & institute 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 |
|---|---|
| Paste link for additional information | Nil |
| Upload any additional information | View File |

## 6.5 - Internal Quality Assurance System

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

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 performance 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 students centric activities.
- 

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 are motivated for Internship, Entrepreneurship as well as for working on research projects.

1. Use and enrichment of ICT infrastructure

The IQAC encouraged the faculty members to adopt innovative techniques in Teaching. To make teaching more effective, faculty are advised to use ICT modules and audio-visual aids and also encouraged to make power point presentations and make use of projectors to teach. The IQAC has advised the administration to enrich ICT infrastructure by purchasing advanced ICT tools. IQAC is also responsible for faculty training in the usage of teaching tools in multimedia and the evaluation of student feedback and effective counseling. Periodically IQAC has trained teachers and non- teaching staff to use ICT by arranging different workshop and trainings.

2. Outcome Based Education System (OBES):

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 institute. 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.

| File Description | Documents |
|---|---|
| Paste link for additional information | [https://ies.ipsacademy.org/iqac/](https://ies.ipsacademy.org/iqac/) |
| Upload any additional information | **View File** |

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

IQAC has played a very 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 faculty and students

5. Gap identification

6. Analysis of feedback collected & Action taken

7. Organizing expert lecture, industrial visits.

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

Example-1 IQAC has a well developed process quality benchmarks of academic and administrative activities. It is because of the initiative and guidance of IQAC that all eligible UG Programs of the institute got accreditated by National Board of Accreditation (NBA), New Delhi and paved us the way for autonomous status and encouraged us to apply for NAAC Accreditation. As all the eligible departments are NBA Accreditated, so Outcome Based Education is strictly followed. 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.

Example-2 Two Mid-term tests are conducted twice in a semester. Reports of analysis of results of Midterm tests are forwarded to the

IQAC. The IQAC discusses on result analysis suggests corrective measures to be initiated for improvement.

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

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

| File Description | Documents |
|---|---|
| Paste web link of Annual reports of Institution | **Nil** |
| Upload e-copies of the accreditations and certifications | **View File** |
| Upload any additional information | **No File Uploaded** |
| Upload details of Quality assurance initiatives of the institution (Data Template) | **View File** |

## INSTITUTIONAL VALUES AND BEST PRACTICES

**7.1 - Institutional Values and Social Responsibilities**

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

**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 andwomen, awomen grievance cellhas been constituted forredressalofgrievances. Ourwomen grievance cellstays alert all the time to prevent any sexual abuse towards the students andfemaleworkers.**

**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 |
|---|---|
| Annual gender sensitization action plan | **Nil** |
| Specific facilities provided for women in terms of:a. Safety and security b. Counseling c. Common Rooms d. Day care center for young children e. Any other relevant information | **https://ies.ipsacademy.org/wp-content/uploads/2022/05/7.1.1%20Proof.pdf** |

| **7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation measures   Solar energy          Biogas plant Wheeling to the Grid   Sensor-based energy conservation Use of LED bulbs/ power efficient equipment** | **C. Any 2 of the above** |
|---|---|

| File Description | Documents |
|---|---|
| Geo tagged Photographs | **View File** |
| Any other relevant information | **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 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management  Waste recycling system Hazardous chemicals and radioactive waste management

**a) Solid waste:**

   ○ **Waste plastic & polythene:**

**The institute has plastic recycling unit. It agglomerates plastic waste into useful product.**

**Organic/ biodegradable waste:**

The Biodegradable waste is composted in institute campus using Organic Waste Composter (OWC) with capacity of 8-10 kg waste per cycle. The Manure or Compost is used in campus for plantation and gardening purpose.

- Sanitary waste:

The institute has installed incineration unit for pyrolysis of sanitary waste.

- Non-biodegradable waste :

It includes cans, bottles, metal or rubber objects. It is sold to scrap collector regularly.

b) Waste water:

The institute has its own effluent treatment plant. Waste water Treatment Plant is running successfully in the institute premises with the capacity of 200 KL/Day, using aeration technology and the treated water is used for the gardening campus spread over 58 acres of lush green land . The quality parameter (COD) of treated water is also checked before discharging. The outcome of this treatment plant is lush green campus of the institute.

c) E- Waste:

E-waste is collected & sells out to junk dealers. There are some entrepreneurs who extract material from them. Most junk dealers are familiar with the network of recyclers.

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

| 7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus | A. Any 4 or all of the above |
| --- | --- |

| File Description | Documents |
| --- | --- |
| Geo tagged photographs / videos of the facilities | View File |
| Any other relevant information | 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 |
|---|---|
| Geo tagged photos / videos of the facilities | **View File** |
| Various policy documents / decisions circulated for implementation | No File Uploaded |
| Any other relevant documents | No File Uploaded |

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

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

B. Any 3 of the above

| 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 | No File Uploaded |

**7.1.7 - The Institution has disabled-friendly, barrier free environment Built environment with ramps/lifts for easy access to classrooms. Disabled-friendly washrooms Signage including tactile path, lights, display boards and signposts Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment        5. Provision for enquiry and  information :**

A. Any 4 or all of the above

| Human assistance, reader, scribe, soft copies of reading material, screen reading | |
|---|---|

| File Description | Documents |
|---|---|
| Geo tagged photographs / videos of the facilities | **View File** |
| Policy documents and information brochures on the support to be provided | **No File Uploaded** |
| Details of the Software procured for providing the 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 socioeconomic and other diversities (within 200 words).

- **Joy of Giving**

**IPS Academy, Institute of Engineering & Science organizes a social activity "JOY OF GIVING every year in which student, faculty and staff members donate any useful stuff like (cloths, toys, food items, stationary etc.). All these items are distributed to needy people by volunteers.**

- **Distribution of Sanitizer**

**In the view of COVID-19, Chemical Department of the institute is regularly manufacturing and distributing sanitizer for employees of the institute as a preventive measure in spreading the infection.**

- **Covid-19 Awareness and Help Program**

**IPS Academy, Institute of Engineering and Science with CSR/NSS is taking initiative for spreading awareness about Covid 19. CSR/NSS have been prepared hand sanitizer and mask also visited several places included villages and make awareness regarding Covid-19, how to use hand sanitizer and face mask, etc.**

- **Gyan Vistaar (Pahal)**

**Gyan Vistar is a free tuition for the children of underprivileged communities to provide knowledge, skill, and values to them. Volunteers take their classes and teach them all the subject of their interests including English and Maths.**

- **Janta Annpurna Yojana**

**Institute took initiative to full fill need of covid-19 influences people in term of food distribution.**

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

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

**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. Various faculties have always been in the practice of organizing activities that not only initiate but also motivate the students to adopt various practices that promote the "Unity in Diversity" of our motherland. 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: The Institute has always taken various direct and indirect steps which promote the awareness about various National Identities like Dr. Sarvapalli Radhakrishnan etc. The Institute celebrates the Independence Day & Republic Day with great vigor.**

**2. Constitutional Obligations, Duties and Responsibilities of citizens:**

**The mandatory learning course on Constitution of India has been introduced in fourth semester in all branches. Also the courses on Professional Ethics & Human Values are imposed on I year students during Induction Programs, are also responsible for sensitizing the students and employees of the Institute.**

| File Description | Documents |
|---|---|
| Details of activities that inculcate values; necessary to render students in to responsible citizens | **https://ies.ipsacademy.org/wp-content/uploads/2022/05/7.1.9%20proof.pdf** |
| Any other relevant information | **Nil** |

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

**programmes for students,
teachers, administrators and other staff
   4. Annual awareness programmes on
Code of Conduct are organized**

| File Description | Documents |
|---|---|
| Code of ethics policy document | **View File** |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims | **No File Uploaded** |
| 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 where all staff from Academy and School gather for Flag Hosting followed by National Anthem.

Teachers Day –The Institute celebrates the Teacher's Day on September 05.

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

World Ozone Day – World Ozone Day is observed on16 Septemberevery 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 like, Fire Drill, Fire Fighting etc by the students under the guidance of the faculties of the department.

Computer Literacy Day –, the Computer Science and Engineering Department organizes Computer Literacy Day on 2 December Online spoken tutorial classes for the Students for spreading the awareness about computer literacy.

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

Ramanujan Day: Online quiz competition was organized on the occasion of birth anniversary of eminent mathematician Srinivasa Ramanujan on date 22 December 2021

| File Description | Documents |
|---|---|

| | |
|---|---|
| Annual report of the celebrations and commemorative events for the last (During the year) | **No File Uploaded** |
| Geo tagged photographs of some of the events | **View File** |
| Any other relevant information | **No File Uploaded** |

## 7.2 - Best Practices

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

**BEST PRACTICE-1**

1. **Title of the Practice :Campus active – An online Academic Management System**
2. **Objectives of the Practice: Campus Active is a next generation Management Information System (MIS) that is transparent, flexible, paperless, and easy to use and has been designed & developed to deliver real conceivable benefits to institutes. Hence Campus Active plays an important role in making the paperless working as desired for fulfillment of all academic activities such as attendance, Sessional Marks, Mid-Sem Marks, etc.**
3. **The Context: Initially, when campus active was introduced, it was very difficult for the faculties to get acquainted with the system because of the basic fact that the entire system was dragged from offline system to online system. Also, Due to the frequent changes in the university schemes, very often modifications had to be made in the CMS.**
4. **Evidence of Success: CMS has helped maintaining the above mentioned modules in online format. Faculties can update the data anywhere in the campus. It has made the campus fully automated, transparent, flexible, paperless, and easy to use and has been designed & developed to deliver real conceivable benefits to institutes.**
5. **Problems Encountered and Resources Required**

**Training the faculties about the campus active.**

**Since the Campus active can be accessed by the parents so, it was little cumbersome to make them aware of the system.**

**Managing of Schemes- With the frequent changes in the scheme by the university, it was very difficult to manage so many different schemes at the same time.**

**BEST PRACTICE-2**

**Title of the Practice : Waste Management**

**Objectives of the Practice**

The institute is working on concept of clean energy and zero waste policy. All the waste is get collected in waste management zone, where plastic waste is sent to agglomeration plant. The biodegradable waste is sent to composting unit. The institute has in-house sewage treatment plant for grey water treatment. Also there are automatic taps & toilet flushes in washrooms to reduce water wastage. There is rain water harvesting facility. The institute is working on green building concept.

## The Context

One of the challenging issues in waste management is the segregation of waste at source. In institute premises there are separate dust bins for paper waste, plastic waste, biodegradable waste, glass and dust.

Students, faculties & staff are segregating the waste at source by putting waste in different bins.

## The Practice

The institute is working on concept of clean energy and zero waste policy. The institute has replaced all the light by LED. The institute has two solar system of 64 KW for generating of electricity and hostels are equipped with solar heating system. The construction and architecture is such that all rooms have proper sunlight and ventilation. The institute has in-house sewage treatment plant for grey water treatment operating since 2011-12. Also there are automatic taps & toilet flushes in washrooms to reduce water wastage. There is rain water harvesting facility. The institute has installed incineration unit for pyrolysis of sanitary waste. The Biodegradable waste is composted. The composting can be done in pits, pots, drums etc. The nonbiodegradable waste includes cans, bottles, metals or rubber objects. It is sold to junk dealers. In educational institute paper waste is predominant; it is segregated in separate bins, and sold to junk dealers. E-waste is collected & sells out to junk dealers.

## Evidence of Success

The compost produced from kitchen waste is used in gardening. The treated water from sewage treatment plant is used for gardening. In agglomeration plant small agglomerate granules are formed from plastic

waste and are sold as raw material for various plastic industries.

## Problems Encountered and Resources

- Collection and segregation of waste
- High cost associated to waste management

- **The lack of understanding over a diversity of factors that affect the different stages of waste management.**
- **The cafeteria generates a lot of waste both biodegradable and non- biodegradable types. Their cooperation is necessary in terms of proper segregation & disposal. The use of disposal container should be limited.**

**Efforts should be made to reuse non biodegradable non recyclable items**

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | [https://ies.ipsacademy.org/wp-content/uploads/2022/05/7.2.1_Proof.pdf](https://ies.ipsacademy.org/wp-content/uploads/2022/05/7.2.1_Proof.pdf) |
| Any other relevant information | Nil |

## 7.3 - Institutional Distinctiveness

7.3.1 - Portray the performance of the Institution in one area distinctive to its priority and thrust within 200 words

**IPS Academy, Institute of Engineering & Science established in 1999 is one of the premier self financing institutes imparting quality technical education with the sole motto of "Knowledge, Skill & Values".**

**The unique feature of the institute is gradually shifting towards "Self Reliant" (Atma-Nirbhar) institute which is evident from various initiatives & subsequent achievements as under:**

- **The only self financing institute in M.P. state which has been granted Autonomous status from academic session2020-21 by UGC under its Regulations-2018.**
- **Eco-friendly Environment & Waste Management**
- **Comprehensive Fire Safety arrangements & associated initiatives**
- **Innovations in Health Care**
- **Development of ERP Software**
- **"One Student One Tree" initiative in 2019**
- **Manufacturing of Hand Sanitizers during COVID-19 and its distribution free of cost.**
- **Introduced B. Tech Program in Fire Technology and Safety Engineering since inception.**

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

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

It was decided that first we apply for NBA Accreditation for Structural Engineering in October, 2022.

- Additional Degree Proposal

As per the circular issued by AICTE, dated 9th August 2021& addressed to all VCs of Technical Universities/Director/Principal of AICTE approved institution. The circular allows to engineering graduate to do a second degree in 2 to 3 years under lateral entry system.

- 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.