



YEARLY STATUS REPORT - 2021-2022

Part A

Data of the Institution

1.Name of the Institution

E.G.S. PILLAY ENGINEERING COLLEGE

• Name of the Head of the institution **Dr. S. Ramabalan**

• Designation **Principal**

• Does the institution function from its own campus? **Yes**

• Phone No. of the Principal **7373067032**

• Alternate phone No. **9965528581**

• Mobile No. (Principal) **9894831458**

• Registered e-mail ID (Principal) **mchinna81@gmail.com**

• Address **Old Nagore Road, Thethi, Nagore Village**

• City/Town **Nagapattinam**

• State/UT **Tamilnadu**

• Pin Code **611002**

2.Institutional status

• Autonomous Status (Provide the date of conferment of Autonomy) **28/02/2017**

• Type of Institution **Co-education**

• Location **Rural**

- Financial Status **Self-financing**
- Name of the IQAC Co-ordinator/Director **Dr. M. Chinnadurai**
- Phone No. **7373067032**
- Mobile No: **9965528581**
- IQAC e-mail ID **iqac@egspec.org**

3. Website address (Web link of the AQAR (Previous Academic Year)) <http://www.egspec.org>

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

- if yes, whether it is uploaded in the Institutional website Web link: <http://coe.egspec.org>

5. Accreditation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|----------------|----------|-------------|-----------------------|-------------------|-------------------|
| Cycle 1 | A | 3.02 | 2016 | 16/03/2016 | 31/12/2022 |

6. Date of Establishment of IQAC **01/07/2015**

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

| Institution/ Department/Faculty/School | Scheme | Funding Agency | Year of Award with Duration | Amount |
|--|--------------|----------------|-----------------------------|----------------|
| E.G.S. Pillay Engineering College | NCSTC | DST | 29/09/2021 | 2450000 |

8. Provide details regarding the composition of the IQAC:

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

9.No. of IQAC meetings held during the year **2**

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

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

10.Did IQAC receive funding from any funding agency to support its activities during the year? **No**

- If yes, mention the amount

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

Institute level portfolios are defined for smooth execution of the activities at Institute level.

The format of academic and administrative audit is designed in-line with NAAC and NBA requirements.

A 360 degree feedback of faculties is taken based on various parameters.

All the departments are encouraged to conduct seminars, workshops, conferences etc. So Two national seminars are conducted during this academic year

TL activities: Enrolled in NPTEL SWAYAM as the local chapter and motivated students and teachers to participate

12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

| Plan of Action | Achievements/Outcomes |
|--|--|
| NBA Accreditation | CSE, EEE, ECE, IT, Mech and Civil departments have prepared SAR report |
| NAAC Accreditation | AQAR report is preparation and for uploading 2020-21 |
| Research and development | More number of good quality of publication • Filing patents based on research |
| Industry institute interaction cell | • Expert sessions are conducted for teachers and students by industry resource persons • Students received internships |
| Use of ICT tools for teaching learning process | ICT tools are effectively used in teaching-learning process |
| Different Audits | Conducted Environmental, Energy Audit and Green Audit in the Institution. |

13. Was the AQAR placed before the statutory body? **Yes**

- Name of the statutory body

| Name of the statutory body | Date of meeting(s) |
|----------------------------|--------------------|
| Governing Body | 22/07/2022 |

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

- Year

Part A

Data of the Institution

| | |
|--|--|
| 1.Name of the Institution | E.G.S. PILLAY ENGINEERING COLLEGE |
| • Name of the Head of the institution | Dr. S. Ramabalan |
| • Designation | Principal |
| • Does the institution function from its own campus? | Yes |
| • Phone No. of the Principal | 7373067032 |
| • Alternate phone No. | 9965528581 |
| • Mobile No. (Principal) | 9894831458 |
| • Registered e-mail ID (Principal) | mchinna81@gmail.com |
| • Address | Old Nagore Road, Thethi, Nagore Village |
| • City/Town | Nagapattinam |
| • State/UT | Tamilnadu |
| • Pin Code | 611002 |
| 2.Institutional status | |
| • Autonomous Status (Provide the date of conferment of Autonomy) | 28/02/2017 |
| • Type of Institution | Co-education |
| • Location | Rural |
| • Financial Status | Self-financing |
| • Name of the IQAC Co-ordinator/Director | Dr. M. Chinnadurai |

| | | | | | |
|--|---|----------------|-----------------------------|---------------|-------------|
| • Phone No. | 7373067032 | | | | |
| • Mobile No: | 9965528581 | | | | |
| • IQAC e-mail ID | iqac@egspec.org | | | | |
| 3.Website address (Web link of the AQAR (Previous Academic Year)) | http://www.egspec.org | | | | |
| 4.Was the Academic Calendar prepared for that year? | Yes | | | | |
| • if yes, whether it is uploaded in the Institutional website Web link: | http://coe.egspec.org | | | | |
| 5.Accreditation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
| Cycle 1 | A | 3.02 | 2016 | 16/03/2016 | 31/12/2022 |
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| E.G.S. Pillay Engineering College | NCSTC | DST | 29/09/2021 | 2450000 | |
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| • Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website? | Yes | | | | |

| | | |
|---|------------------|--|
| <ul style="list-style-type: none"> If No, please upload the minutes of the meeting(s) and Action Taken Report | No File Uploaded | |
| 10. Did IQAC receive funding from any funding agency to support its activities during the year? | No | |
| <ul style="list-style-type: none"> If yes, mention the amount | | |
| 11. Significant contributions made by IQAC during the current year (maximum five bullets) | | |
| <p>Institute level portfolios are defined for smooth execution of the activities at Institute level.</p> | | |
| <p>The format of academic and administrative audit is designed in-line with NAAC and NBA requirements.</p> | | |
| <p>A 360 degree feedback of faculties is taken based on various parameters.</p> | | |
| <p>All the departments are encouraged to conduct seminars, workshops, conferences etc. So Two national seminars are conducted during this academic year</p> | | |
| <p>TL activities: Enrolled in NPTEL SWAYAM as the local chapter and motivated students and teachers to participate</p> | | |
| 12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year: | | |
| | | |

| | |
|---|--|
| Plan of Action | Achievements/Outcomes |
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| Research and development | More number of good quality of publication • Filing patents based on research |
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| Different Audits | Conducted Environmental, Energy Audit and Green Audit in the Institution. |
| 13. Was the AQAR placed before the statutory body? | Yes |
| • Name of the statutory body | |
| Name of the statutory body | Date of meeting(s) |
| Governing Body | 22/07/2022 |
| 14. Was the institutional data submitted to AISHE ? | Yes |
| • Year | |
| Year | Date of Submission |
| 2022 | 15/12/2022 |
| 15. Multidisciplinary / interdisciplinary | |
| E.G.S. Pillay Engineering College follows high-quality | |

interdisciplinary /multidisciplinary approach in its pedagogy and curricula in line with the current changing trends in technology. Aspiring for the highest global standards in quality education, the college offers a wide range of courses with ample options to select the courses of their choice from an open elective basket. The interdisciplinary/ multidisciplinary approach in curricula and pedagogy inputs by varied experts provides a better understanding of how different subjects co-relate in real life applications. Our R&D cell performs continuous monitoring of external funding agencies with regard to the submission of interdisciplinary/multidisciplinary minor as well as major proposals. Our faculty members are highly motivated to carry out interdisciplinary/multidisciplinary researches in the key domains. Students are extensively trained in new age skills through various skill development activities. The open elective and online courses help the students for holistic understanding of engineering and problem solving with multidisciplinary approach.

16.Academic bank of credits (ABC):

We aim to enroll Academic Bank of Credits system after implementation of NEP at the institute. We are in the process of discussion with the University.

17.Skill development:

E.G.S. Pillay Engineering College initiates various skill development programs through internal Training and Placement (T&P) cell. As new age skills are required for employability, students are encouraged to participate in various skill development activities resulting in certifications which help the students to secure employment. Students are encouraged to participate in national and international programme contest such as Hackathon, to gain real-world experience, improve problem-solving skills, and enhance the technical and non-technical skills of students.

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

The institute incorporated Essence of Indian Traditional Knowledge as a mandatory course into the curriculum through which students are exposed to need and importance of protecting Indian traditional knowledge related to science, engineering, agriculture and medicine. Apart from this, students are sensitized in universal human values during the induction program.

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

E.G.S. Pillay Engineering College is committed to create, sustain and improve the learning process through total quality management and create itself a position in scientific and technological learning. The institute strives to attain these objectives through continuous improvement and team work. The priority and thrust area of the institute is implementation of outcome based education in teaching-learning as it forms the integral part. As OBE is need of the hour, the institute focused on training all the faculty members on outcome based education to achieve a paradigm shift from the teacher centric education system. Accordingly, there is a need to define, develop, implement and measure student learning through the attainment of various outcomes ensuring graduating engineers from all programs demonstrate expected skill and competency. Achieving this is a challenging task and required participation of all stakeholders in the design of curriculum. The institute in coordination with all the stakeholders adopted the OBE model for attainment of Graduate Attributes. The institute strives to make the students accomplish Graduate Attributes by focusing on the following thrust areas:

Academic excellence: The curriculum is designed to encourage analytical and problem solving skills. Emerging technology courses like Data Science, Internet of Things and Robotics are introduced in to the curriculum. Usage of online tools for teaching learning is increased significantly. Faculty and students are encouraged to complete certification courses through various MOOCs platforms.

Research and Development: Research and development is a main component in HEI to offer viable and cost effective solutions to the societal and industrial problems. Students and staff are encouraged to pursue research and prototype development by providing necessary infrastructure support. This imbibes investigation and design abilities among staff and students. This can be achieved by encouraging students to undertake major and minor projects.

Social Consciousness: The institute encourages faculty and students to participate in various extension activities. This will create a sense of social responsibility, environmental consciousness and sustainability in the minds of students. The institute has an NSS Unit and Leo club through which all these activities are conducted.

20.Distance education/online education:

E.G.S. Pillay Engineering College is participating extensively in NPTEL courses. Students and faculty are encouraged to complete various certification courses offered by SWAYAM, Coursera. Students are offered flexibility to complete one credit courses through NPTEL. Students and staff are extensively trained in various courses through spoken tutorial. Our institute adopted online education and implemented successfully through Great Learning platform. There are many active skill development clubs in each department and many activities are conducted on enhancing the technical and non-technical skills of students.

Extended Profile**1.Programme**

| | |
|---|----|
| 1.1 | 15 |
| Number of programmes offered during the year: | |

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

2.Student

| | |
|---|------|
| 2.1 | 3648 |
| Total number of students during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional data in Prescribed format | View File |

| | |
|---|-----|
| 2.2 | 709 |
| Number of outgoing / final year students during the year: | |

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

| | |
|--|------|
| 2.3 | 6052 |
| Number of students who appeared for the examinations conducted by the institution during the year: | |

| File Description | Documents |
|---|---------------------------|
| Institutional Data in Prescribed Format | View File |
| 3.Academic | |
| 3.1 Number of courses in all programmes during the year: | 741 |
| File Description | Documents |
| Institutional Data in Prescribed Format | View File |
| 3.2 Number of full-time teachers during the year: | 225 |
| File Description | Documents |
| Institutional Data in Prescribed Format | View File |
| 3.3 Number of sanctioned posts for the year: | 236 |
| 4.Institution | |
| 4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year: | 214 |
| 4.2 Total number of Classrooms and Seminar halls | 75 |
| 4.3 Total number of computers on campus for academic purposes | 750 |
| 4.4 Total expenditure, excluding salary, during the year (INR in Lakhs): | 685.42 |

Part B**CURRICULAR ASPECTS**

1.1 - Curriculum Design and Development

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

EGSPEC curriculum is revised on a regular basis to reflect changes in the local and global scenario. The POs, PSOs and COs are measured by the faculty members of the institute. The learning objectives for different programmes at EGSPEC are designed and delivered with consideration for issues related to local, national, regional and global developmental needs are included in the curricula. EGSPEC faculty is grouped under subjects related to Groups and all decisions related to academic inputs in a particular programme are taken by these groups, which are then approved by Board of Studies (BoS) of the respected programme. Each programme has a Board of Studies (BoS) which largely comprises of internal faculty and external members belong to industry, alumni and entrepreneur. The role of the board of studies is to examine curriculum revisions, sequencing of courses, alignment of course credits with regulatory requirements and referrals made by the discipline groups.

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

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

9

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

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

80

| File Description | Documents |
|---|---------------------------|
| Curriculum / Syllabus of such courses | View File |
| Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses | View File |
| MoUs with relevant organizations for these courses, if any | View File |
| Any additional information | View File |

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced across all programmes offered during the year

9

| File Description | Documents |
|---|---------------------------|
| Minutes of relevant Academic Council/BoS meetings | View File |
| Any additional information | View File |
| Institutional data in prescribed format (Data Template) | View File |

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

12

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

1.3 - Curriculum Enrichment

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

The Institution is an AUTONOMOUS Engineering college that through its co-curricular activities tries to inculcate values and ethics among its students. It ensures not only effective curriculum delivery but also makes every effort to impart a holistic education that goes beyond the curriculum through myriad activities conducted throughout the year. Through these programmes students imbibe universal moral and social values, sensitivity towards gender issues and environmental consciousness are integrated into our curriculum.

| File Description | Documents |
|---|---------------------------|
| Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum | View File |
| Any additional information | View File |

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

32

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

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

3648

| File Description | Documents |
|----------------------------|---------------------------|
| List of students enrolled | View File |
| Any additional information | No File Uploaded |

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

641

| File Description | Documents |
|---|---------------------------|
| List of programmes and number of students undertaking field projects / internships / student projects | View File |
| Any additional information | No File Uploaded |

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni A. All 4 of the above

| File Description | Documents |
|---|---|
| Provide the URL for stakeholders' feedback report | http://egspec.org/facultyfeedback.php |
| Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management | No File Uploaded |
| Any additional information | No File Uploaded |

1.4.2 - The feedback system of the Institution comprises the following A. Feedback collected, analysed and action taken made available on the website

| File Description | Documents |
|---|---|
| Provide URL for stakeholders' feedback report | http://egspec.org/facultyfacilitiesfeedback.php |
| Any additional information | No File Uploaded |

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

3648

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

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

1182

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

EGSPEC believes in customizing the teaching and learning processes to suit the requirements of students soon after the admission, the students are categorized as Advanced and Slow learners based on their Continuous Assessment Test(CAT).Based on the performance of those activities, students are categorized as advanced and slow learners.

Catering the needs of advanced learners:

1. Advanced learners are guided by faculty to go for additional courses with self learning like NPTEL, MOOCs, competitive Examinations
2. Exposed to new technologies like IoT, AI & ML, Data science etc.
3. Encouraged to participate in competitions, Smart India Hackathon challenge, coding contests etc.
4. The advanced learners are permitted to take honors and Minors in subsequent years.

Catering the needs of slow learners:

1. Bridge courses in basic programming, mathematics, and communication skills are conducted for lateral entry students to fill the gap between diploma and engineering and to improve their confidence levels

2. Remedial classes/extra classes are conducted for slow learners who secured less marks in minor examinations and Mid semester examinations by subject experts/senior faculty for clarifying their doubts in the specific subjects
3. Special attention/counseling by the counselors

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://app.e-box.co.in/ |

2.2.2 - Student – Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|------------|--------------------|--------------------|
| 20/07/2021 | 3648 | 247 |

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

2.3 - Teaching- Learning Process

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

EGSPEC adopts student centric methods to make the Teaching Learning process more effective for the holistic development of students through experiential learning, Participative Learning and Problem solving Methodologies. Faculty of the institute imparts subject knowledge as per the syllabus and curriculum and foster self management and usage of knowledge, holistic development and skill development through participatory learning activities through Outcome Based Education(OBE).

The following activities have been adopted by the faculty and they adorn student-centric methods:

1. Experiential Learning:

- Laboratory Sessions
- Industrial Visits

- Field works and Internships.
- Industry Oriented Mini Projects/ Case studies

2. Participative Learning:

- Expert Talks, Workshops and seminars
- Group Discussions and Role plays
- MOOCs

| File Description | Documents |
|-----------------------------------|---|
| Upload any additional information | View File |
| Link for additional Information | http://www.egspec.org/labs.html |

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

EGSPEC infused ICT tools in pedagogy to improve learning, motivate and engage learners, promote collaboration, foster enquiry and exploration and create a student centric learning culture.

1. Generic tools for learning: Starting from productivity tools to simulation & modeling to access, extend, transform and share information e.g. Licensed and open source software for lab and Projects,
2. Content-based resources: to access a vast source of educational resources that effectively can be integrated in to the curriculum objectives e.g MHRD-NMEICT, NPTEL-SWAYAM, AICTE ATAL, Blogs, etc
3. Interactive instructional courseware: Self-paced learning materials e.g Google Class Room, Microsoft teams , Video Lecture, Course material in website etc The integration of ICT with teaching and learning has produced some of the significant positive gains in learners' knowledge, skills and attitudes by providing the following key advantages:

| File Description | Documents |
|--|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | http://www.egspec.org/ece.php |
| Upload any additional information | View File |

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

2.3.3.1 - Number of mentors

247

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

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

The purpose of academic planning and monitoring process is

- To ensure that all departments have done proper planning before the start of semester for conduction of lectures, practical's, and other co curricular and extracurricular activities.
- To ensure that effective teaching learning is taking place throughout the semester.
- To ensure that continuous assessment and evaluation is taking place to support teaching learning process

The process of academic planning and monitoring should be carried out through a systematic procedure as per the steps mentioned below:

- Preparation of Institute Academic Calendar
- Allocation of courses to faculty and their expertise
- Preparation of all timetables (Class/ Class Room/ Lab and faculty timetables)
- Preparation of Course Plan
- Curriculum Delivery (Theory and Practical Sessions)

- **Academic Monitoring:** HOD, Principal, Director/Academics will monitor the progress of syllabus coverage and necessary corrective actions will be taken for filling the gap.

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

2.4 - Teacher Profile and Quality

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

247

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

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

70

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

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

5

| File Description | Documents |
|---|---------------------------|
| List of teachers including their PAN, designation, Department and details of their experience | View File |
| Any additional information | No File Uploaded |

2.5 - Evaluation Process and Reforms

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

30

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

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

105

| File Description | Documents |
|---|---------------------------|
| Upload the number of complaints and total number of students who appeared for exams during the year | View File |
| Upload any additional information | View File |

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

Examination Reforms by the College

In line with the objective of examination reforms to make it an instrument for good education, the following activities are being followed at this institute.

- Internal weightage is 40% and the assessment is carried out in the form of Continuous Assessment Test and Assignments,

Activities

- End Semester Examination (ESE) assessment given to 60% weightage.
- To have validity and reliability, the questions papers CAT and End semester exams are prepared according to CO
- 'Guidelines for setting quality question paper' have been issued and circulated among all the faculty members for ensuring quality questions so as to test the students knowledge in defined cognitive domain levels.

ASSESSMENT AND ATTAINMENT CALCULATIONS FOR OUTCOME BASED EDUCATION:

As per the Institutes emphasis on most significant aspect of "Outcome Based Education (OBE)", examination branch ensuring assessment and attainment calculations of program outcomes (POs), course outcomes (COs), cognitive domain learning level outcomes on the results attained by the student.

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

2.6 - Student Performance and Learning Outcomes

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

All the POs, COs and PSOs of all the UG and PG programs are defined and displayed in the website.

Program Outcomes (PO) are broad statements that describe the professional accomplishments which the program aims at. POs are to be attained by the students by the time they complete the course. POs relate to the skills, knowledge and behavioral traits, the students need to acquire during their graduation. The Program Specific Outcomes (PSO) are the specific requirements to be met and the specific accomplishments to be fulfilled by the students relevant to their program of study.

POs, PSOs and COs are communicated to the teachers and students

Attainment of program outcomes and course outcomes are evaluated by the institution.

Assessment of learning outcomes is carried out using data collected from direct and indirect methods.

Direct method includes following: Assessment of theory courses, through internal examinations and end semester examinations, Assessment of laboratory course, Assessment of Project work.

Indirect method includes, course end survey and student exit survey.

The overall attainment of the PO is calculated both direct and indirect assessment, this overall attainment level is compared with expected level. If the expected attainment level is reached then it is attained.

| File Description | Documents |
|--|---|
| Upload COs for all courses (exemplars from the Glossary) | View File |
| Upload any additional information | View File |
| Link for additional Information | http://egspec.org |

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

For each course outcome, we followed the two kinds of Assessment methods such as direct methods and indirect methods. Assessment of learning outcomes is carried out using data collected from direct and indirect methods.

Direct methods include following:

- Assessment of theory courses, through internal examinations and semester end examinations
- Assessment of laboratory course
- Assessment of Project work
- Assessment of Mini projects
- Assessment of Internships
- Assessment of Seminars

Indirect methods include, course end survey and student exit survey.

All the courses which contribute to PO are identified and these courses are evaluated through their course outcomes using direct

assessment tools. The PO is also assessed using indirect assessment tools. The overall attainment is based on both direct and indirect assessment that particular PO. This attainment level is compared with expected level. If the expected attainment level is reached then the PO is considered as attained.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | http://egspec.org |

2.6.3 - Pass Percentage of students

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

648

| File Description | Documents |
|---|---|
| Upload list of Programmes and number of students appear for and passed in the final year examinations | View File |
| Upload any additional information | No File Uploaded |
| Paste link for the annual report | http://egspec.org |

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

<http://www.egspec.org/sssurvey.php>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

To encourage research among the faculty, the Institute has the facility of granting study leave, reimbursing a part of the expenditure incurred in establishing the experimental set-ups for their research and deputing the faculty to national/International

conferences with complete registration fee, TA & DA. Presently the R&D Cell is taking care of:

- Creation of eco system for innovative and quality research and development environment on the campus
- Setting up new research centres recognized by AnnaUniversity, Warangal and renewal of the existing
- Administration of research scholars joining in various research centres of the institution
- Encourage the faculty to apply for Faculty Research Incentive Scheme and Faculty Research Support Scheme to publish research in high quality Non-Paid SCI / SCOPUS Indexed Journals.
- Supervise the faculty in submitting research projects to various funding agencies
- Facilitate the Faculty / Staff / Students using AntiPlagiarism (Urkund) Software
- Submission of research proposals prepared by faculty members and students to various funding agencies
- Preparation of annual R&Dbrochure
- Authentication of originality in project/thesis reports and paper publications with anti plagiarism software
- Annual budget preparations for their approvals

| File Description | Documents |
|--|---|
| Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption | View File |
| Provide URL of policy document on promotion of research uploaded on the website | http://www.egspec.org/biomrd.php |
| Any additional information | View File |

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

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

747700

| File Description | Documents |
|---|---------------------------|
| Minutes of the relevant bodies of the institution regarding seed money | View File |
| Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized | View File |
| List of teachers receiving grant and details of grant received | View File |
| Any additional information | No File Uploaded |

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

7

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

3.2 - Resource Mobilization for Research

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

5517500

| File Description | Documents |
|--|---------------------------|
| e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations | View File |
| List of projects and grant details | View File |
| Any additional information | View File |

3.2.2 - Number of teachers having research projects during the year

8

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | http://www.egspec.org |
| List of research projects during the year | View File |

3.2.3 - Number of teachers recognised as research guides

25

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

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

5

| File Description | Documents |
|---|---|
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | http://www.egspec.org |
| Any additional information | View File |

3.3 - Innovation Ecosystem

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

Research & Development (R & D) Cell aims at motivating, monitoring and developing quality research in the institute.

It is positively working on collaborative R & D projects and entering MoUs with industries.

It also promotes creativity, research and innovation among the student community.

To encourage research among the faculty, the institute has the facility of gaining study leave, reimbursing a part of the expenditure incurred in establishing the experimental set-ups for their research and deputing the faculty to national/international conferences with complete registration fee, TA & DA. A separate provision is also made in budget for R& D.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org |

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

7

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

3.4 - Research Publications and Awards

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

A. All of the above

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

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

3.4.2.1 - Number of PhD students registered during the year

52

| File Description | Documents |
|--|---|
| URL to the research page on HEI website | https://cfr.annauniv.edu/research/academic/s/supervisor.php |
| List of PhD scholars and details like name of the guide, title of thesis, and year of registration | View File |
| Any additional information | No File Uploaded |

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

42

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

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

5

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org |

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

160

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

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

3.4.6.1 - h-index of Scopus during the year

10

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

3.5 - Consultancy

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

722080

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

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

324500

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

3.6 - Extension Activities

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

EGSPEC proudly conducts many extension activities for the benefit of surrounding community. EGSPEC strongly believes that extracurricular activities will open avenues for the students to make social participation and contribute for the social empowerment.

AIMS AND OBJECTIVES OF NSS:

- To develop competence required for group-living and sharing of responsibilities
- To gain skills in mobilising community participation

- To acquire leadership qualities and democratic attitude
- To develop capacity to meet emergencies and natural disasters
- To practice national integration and social harmony
- To understand the community in which they work
- To understand themselves in relation to their community.
- To identify the needs and problems of the community and involve them in problem solving process.
- To develop among themselves a sense of social and civic responsibility.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/nss.php |

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

14

| File Description | Documents |
|--|---------------------------|
| Number of awards for extension activities in during the year | View File |
| e-copy of the award letters | View File |
| Any additional information | No File Uploaded |

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

25

| File Description | Documents |
|---------------------------------|---------------------------|
| Reports of the events organized | View File |
| Any additional information | No File Uploaded |

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

207

| File Description | Documents |
|----------------------------|---------------------------|
| Reports of the events | View File |
| Any additional information | No File Uploaded |

3.7 - Collaboration

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

17

| File Description | Documents |
|--|---------------------------|
| Copies of documents highlighting collaboration | View File |
| Any additional information | No File Uploaded |

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

12

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

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

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

An adequate infrastructure is provided at the institute as per the norms specified by AICTE, and Anna University, Chennai to provide the infrastructure to facilitate effective teaching and learning to the students. Modernization and updating of infrastructure

resources is carried out from time to time even over and above the norms of AICTE and AU for effective teaching and learning. The Institution provides modern infrastructure like smart classrooms, updated laboratories, library with reading room. As per the change in the syllabus, institution continuously upgrades infrastructural facilities.

Classrooms: are well ventilated with natural air and are having with LCD Projectors and WiFi.

Laboratories: are updated time to time with the latest equipment. Timely purchase, Maintenance and repairs is carried out and write off is also done for irreparable equipment. All the labs are having proper lighting and ventilation. The performance of equipment is monitored on a regular basis and the stock verification committee takes care of verification of instruments, its record in dead stock register and right-off of the equipment before the commencement of each semester of an academic year.

Computer laboratory: Sufficient number of computers with latest configuration along with printers, scanners and photocopiers

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://docs.google.com/document/d/1TpM3HRjFHhbcVE_OnUMXvNN_ZjgKT3BT/edit |

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

Cultural activities help students to build an all-rounder personality and improve their psychological as well as physical health. Overall development of students is enhanced through cultural activities which are carried out at college level through different clubs. Annual cultural festival is celebrated with great enthusiasm. This annual fest provides platform for students to exhibit their skills such as singing, acting in the club of music and poetry runs different music events such as singing competitions etc.

Sports activities (indoor and outdoor): A well-equipped gymnasium, yoga centre is available in campus. The Institution has adequate facilities for cultural activities, sports as well as for indoor,

outdoor games and yoga centre. Seminar hall is used as a yoga centre. Area provided for Seminar Hall is 192 sq. m. Director of physical education looks after all sports activities in the college. The institution has playground for outdoor games. Basketball ground area is 25 m x 13 m. For indoor games 40 sq.m. and for gymnasium 30 sq.m space is provided.

| File Description | Documents |
|---------------------------------------|---|
| Geotagged pictures | View File |
| Upload any additional information | No File Uploaded |
| Paste link for additional information | http://www.egspec.org/infrastructure.html |

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

75

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

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

267

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

4.2 - Library as a Learning Resource

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

The library management System : AutoLiband Year of Automation:

2003

Nature of automation : Fully Automated with bar code technology

The Online Public Access Catalogue tool is provided to explore library resources. Various search options available are: General Search (wherein Users can search the library resources using Title, Author, Publication, Keywords and Classification number), Advanced Search (facilitates search through various combinations such as Title, Author, Publication, Keywords, Classification number), Accession Search (which is Quick search of books can be done by using accession numbers). History of users and libraryresources: It is the main concern for tracking the library resources. OPAC link is shared on the college website under facilities page.

Subscriptions of e-resources are renewed annually. The e-resources available are IEEE ASPP, ASME, ASCEand DELNET. The monthly usage report for e-resources is generated through the same software i.e., IEEEASPP usage report. Similarly, the other journalsalso has a provision to generate usage report monthly. A register is maintained at the library wherein students/ faculty sign at the time of entry and exit, too. This system ensures the security of books as well as the individual.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/library.html |

4.2.2 - Institution has access to the following: A. Any 4 or more of the above
e-journals e-ShodhSindhu Shodhganga
Membership e-books Databases Remote
access to e-resources

| File Description | Documents |
|---|---------------------------|
| Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership | View File |
| Upload any additional information | No File Uploaded |

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

1,670

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

115

| File Description | Documents |
|--|---------------------------|
| Upload details of library usage by teachers and students | View File |
| Any additional information | View File |

4.3 - IT Infrastructure

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

Institute has updated configuration and LAN connected 750computers.

WiFi facility is also available at college and hostel premises.

All computers are connected to a AIRTELinternet connection having speed more than 310 MBPS.

Sufficient number of computers is allocated to all departments with necessary software and hardware configuration.

A central server room is maintained to look after connectivity of all computers and cyber security related issues.

For safety and security of data, a licensed SonicWallhaving facility of firewall.

Institute is having a Face recognition machine for taking Attendance of faculty and staff members.

Enterprise Resource Planning (ERP) based admission management module used by institute for the student database.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/itlab.php |

4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|--------------------|---------------------|
| 3648 | 750 |

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

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

A. 50 Mbps

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

4.3.4 - Institution has facilities for e-content development:

A. All four of the above

Facilities available

Media Centre
Audio-Visual Centre
Lecture Capturing System (LCS)
Mixing equipments and software for editing

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

4.4 - Maintenance of Campus Infrastructure

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

267

| File Description | Documents |
|-----------------------------------|---------------------------|
| Audited statements of accounts | View File |
| Upload any additional information | View File |

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

The Institute has an in-house maintenance team for maintenance of all Physical, Academic, and Support facilities such as building, electrical, plumbing, IT Infrastructure, classrooms, laboratories, Sports complex, and Library. The general maintenance team handles Electrical, plumbing and building-related issues. Regular check-up of Electrical appliances is done by electrical maintenance staff and maintained with immediate action.

Plumbing-related issues such as leakages/blockages are managed on time by the Plumbing team. Regular infrastructure inspection helps find repairs/paint requirements and the team arranges for the same. A team of housekeepers takes care of hygiene and cleanliness to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls, Laboratories, etc are cleaned and maintained on daily basis. The maintenance officer conducts periodic checks to ensure the efficiency/working condition of the infrastructure.

A centralized Compute maintenance team maintains all software/hardware, CCTV & IT infrastructure-related issues. Lab assistants under the supervision of the System Administrator

maintain the efficiency of the college computers and accessories. The non-teaching staff is also trained in the maintenance of Laboratory and computer equipment. All the departments' take care of timely maintenance of the laboratory equipment during summer/winter break.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/infrastructure.html |

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1760

| File Description | Documents |
|---|---------------------------|
| Upload self-attested letters with the list of students receiving scholarships | View File |
| Upload any additional information | View File |

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

142

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

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) **A. All of the above**

Awareness of Trends in Technology

| File Description | Documents |
|---|---|
| Link to Institutional website | http://egspec.org |
| Details of capability development and schemes | View File |
| Any additional information | No File Uploaded |

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

223

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

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

5.2 - Student Progression

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

550

| File Description | Documents |
|---------------------------------------|---------------------------|
| Self-attested list of students placed | View File |
| Upload any additional information | No File Uploaded |

5.2.2 - Number of outgoing students progressing to higher education

49

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

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

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

3

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

5.3 - Student Participation and Activities

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

26

| File Description | Documents |
|--|---------------------------|
| e-copies of award letters and certificates | View File |
| Any additional information | View File |

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

The institute encourages the active participation of students through nomination by HODs and Principal. The Institute nominated Cultural Committee and Sports Committee. These student committees actively work for different activities conducted in the institute. The representative of the students' council of the college participates at the university level. The President and Secretary of the Students' Council of the college are members of the College Development Committee. Student Council is a representative structure through which students in the college get involved in the affairs of the college for the benefit of the college and all students. The objective of the formation of this council is to enhance communication between students, management, and staff; promote an environment conducive to educational and personal development; support the management and staff in the development of the college; represent the views of the students on matters of general concern to them. Besides, the college has constituted academic and administrative committees i. e. Anti-ragging Committee, Women's Development Cell, Sports Committee, Cultural Committee, NSS Committee and Student Forum in each Department.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/nss.php |

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

2

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

5.4 - Alumni Engagement

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

The College has established Alumni Association. Alumni Association is registered under Societies Registration Act 1860. Alumni Association meetings with Management and staff are periodically conducted in the college and at other important places. The Alumni Association connects the Institution and former graduates in a symbiotic relationship. The formation of an alumni association contributes to the development and strengthening of long-term relationships with our alumni, the Institute, and current students.

The objectives of the Alumni Association are to provide a Forum for members of the Society for interaction; to achieve a high degree of belongingness with the College and the Society; to foster a feeling of brotherhood and friendship; to enroll the members from time to time and keep them abreast with the activities of the Society; to provide adequate avenues for drawing upon the knowledge and expertise of the alumni for furthering the cause of the College to attain good position and influence in the academic, social and business world and many more. The institute along with alumni discusses with other stakeholders on various matters and academic performance and alumni feedback is obtained for

improvement in quality.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://docs.google.com/forms/d/e/1FAIpQLSfLvoekGAfIMRKnuGyIRTsa-etkOLrESHN7xLEA1HmO9e9G-O/viewform |

5.4.2 - Alumni's financial contribution during the year

A. ? 15 Lakhs

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

The institution has established Vision and Missions and a well structured organization chart is attached in the documentation.

The institution has a perspective plan in tune with the Vision and Mission for effective governance and leadership. Governance of the institution is reflective of effective leadership: The Principal and is aided by the Directors, HODs, Finance Officer, Section Heads, and Chairpersons of Committees. IQAC, Academic Section, Examination section, R &D Cell, Mentoring, T&P Cell, and other sections do take part in the governance of the College. The Institute's Policies, Strategies, Resources, and Quality Assurance cater to the needs of the Institute including Academics, Research, Innovation, and Social Responsibility. The requirements and inputs are identified by the HODs and routed through the Finance Committee and the Principal. Accordingly, the proposals are presented to the Governing Body for its approval. The Principal will suitably be initiating necessary steps put up to the statutory bodies for their consideration, approval, and implementation. The academic council and BOS view those decisions for implementation.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | http://www.egspec.org/csevm.php |

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

Institution has well defined policies formulated with the active participation of faculty members, HoDs, Directors, Principal and management authorities. Institution follows decentralized working for academic and administrative activities that are distributed amongst faculty and staff members. Internal Quality Assurance Cell (IQAC) functions for smooth conduction of overall activities and helps in effective implementation of quality policy. Incharge of IQAC and provides guidelines for maintaining quality in all aspects. Directors for Academics, Research and Development, Student affairs and Administration heads various committees under them. Faculty members get involved and contribute for the various activities.

| File Description | Documents |
|---|---|
| Upload strategic plan and deployment documents on the website | View File |
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | http://egspec.org |

6.2 - Strategy Development and Deployment

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

The Institute prepared short-term and long-term strategic plans for effective implementation. It is approved by the Governing body where in the goals and action plans are aligned with the Institute's Vision and Mission. Following are the short-term and long-term goals listed below Short-term goals: To appoint quality Ph.D. faculty; Quality assurance and endurance through Accreditation by ISO, NAAC, and NBA; Academic excellence by achieving 100% pass in the Examinations; Encouraging student participation in co-curricular and extra-curricular activities for

their overall development; Honing the life skills of the students; To conduct Add on value-added courses for students on content beyond syllabus and Industry requirements; Arranging 100% placements for students; Organizing programs on Entrepreneurship development. Long-term goals: To be an Autonomous Institute; To attain the status of Centre of Excellence in Technical Education and Research; To offer viable programs of relevance for the upliftment of rural students and populace; To develop strong Research & Development Centre; To fully develop Innovation and Incubation center As per the goals laid down, The Institute started working on these goals.

| File Description | Documents |
|--|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | http://egspec.org |
| Upload any additional information | No File Uploaded |

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

A hierarchical set up is established from top management to down the level clearly demarking the Duties, Responsibilities, Accountability and Authorities at every stage. The institution has a Governing council to monitor and achieving the vision and mission of the institution. It has an effective organizational structure which monitors and improves the institution. Looks after the Administration, development of education, growth & expansion of the institution. He can cause any action to be initiated which is required in his opinion for the promotion of the above subject matter to ratification by the Governing Body. He coordinates between the sponsoring Society, College Management and the other systems of the college. The institution has a system to register grievances from students, staff and parents. Suggestion boxes are kept in all the building's entrance. Students and Staff members can register their grievances in GR cell. Grievances are communicated to the grievance redressal cell by the students, staff and parents through oral communications and in written forms (if necessary).

| File Description | Documents |
|---|---|
| Paste link to Organogram on the institution webpage | http://egspec.org |
| Upload any additional information | View File |
| Paste link for additional Information | http://egspec.org |

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) Documen | View File |
| Screen shots of user interfaces | No File Uploaded |
| Details of implementation of e-governance in areas of operation | View File |
| Any additional information | No File Uploaded |

6.3 - Faculty Empowerment Strategies

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

E.G.S. Pillay Engineering College effectively implements the welfare schemes for the teaching and non-teaching staff. The college makes arrangements for availing all the government schemes such as employee's provident fund, permission to pursue part time PhD, permission to attend faculty development programmes, transport, medical facility, maternity leave, tuition fee concession to the children, conference and training support, salary advance/ loan facility, etc. The faculties are given PF benefits right from the day of their joining in the college. This is done as per requirements by AICTE and keeping in view the financial safety of employees or their dependents.

Avenues for Career Development and Progression:

- Seed money provided for faculties to encourage them to undertake research projects and publishing research papers in reputed journal.

- Orientation programmes, workshops, and faculty development programmes for teaching and non-teaching staff are conducted regularly to enrich their knowledge.
- Incentive in the form of salary hike for the faculty for completing their PhD degree.

Financial Support

- Financial support is provided to attend workshops and conferences both at the national and international level.
- Tuition fee concession is provided to the children of the teaching and non-teaching staff.
- Salary in advance and interest free loan facility is available.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://egspec.org |

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

110939

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | View File |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | View File |

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

25

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

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

151

| File Description | Documents |
|---|---------------------------|
| Summary of the IQAC report | View File |
| Reports of the Human Resource Development Centres (UGC ASC or other relevant centers) | View File |
| Upload any additional information | View File |

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted on half yearly basis by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through principal. External audit is conducted once in every year by an external agency. A well planned schedule of regular academic activities, new ventures, scholarships, functions and extracurricular activities is prepared by the academic team comprising of Management Representatives, Principal, Deans and Heads of Departments at the start of every academic year. This enables preparation of budgets as per the requirements and is open to slight modifications at the start of odd and even semesters. It has been a regular practice that the expenses of the activities are submitted to the Accounts officer at the closure of the ventures and planned activities by the committee allocated for the specific task of closing the accounts.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://egspec.org |

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

32.58

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

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

The institution always monitors the effective and efficient use of available financial resources for the infrastructure development to support teaching learning process. E.G.S. Pillay Engineering College is a self-financed private institution, tuition fee is the main source of income. Along with tuition fee, research grants from various Government and Non-Government agencies, consultancy projects are add on resources for mobilization of funds. These funds are utilized for all recurring and non-recurring expenditure. The institution has a well-defined mechanism to monitor effective utilization of available financial resources for the development of the infrastructure to augment academic needs. All the administrative and academic heads along with coordinators of different cells (viz., R&D cell, placement cell, library (for the purchase of books / journals), purchase committee (for repair and maintenance cost) software and internet charges, printing and stationary, equipment and consumables, furniture and fixtures), NSS cell, sports, etc., will submit the budget requirements for the coming academic year. The principal prepares an annual budget estimate duly considering the proposals received and also the recommendations of the principal and management.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | http://egspec.org |

6.5 - Internal Quality Assurance System

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

IQAC The primary goal of IQAC is to create a system for taking deliberate, consistent, and catalytic action to improve the institution's academic and administrative performance. The main goal is to promote measures that will improve institutional performance by internalizing a quality culture and institutionalizing best practices. Post Accreditation Improvements The following are the achievement/academic improvements wherein the IQAC put its stamp of quality practice: Teaching -Learning Student learning is assessed through Continuous Assessment Tests and an End of Semester Examination administered during their direct and indirect assessment tools. Quality checks are deployed at every stage of student learning to not only measure them but also improve them continuously. In order to maintain the quality standards, every process is thoroughly monitored through a wide-range of testing tools, audits, surveys, and feedback channels through the college quality cell. IQAC played a key role in initiating the necessary measures to meet the desired objectives and to foster effective and efficient educational practices.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://egspec.org |

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

The IQAC continuously reviews and takes steps towards quality education and inculcating quality culture among the students and staff. The IQAC has also contributed towards institutionalizing

the quality assurance strategies and developed various processes as follows:

- Promote industrial involvement in academic practices by organizing industrial training, industrial visits, workshops, and guest lecturers from industry experts, MOUs, etc.
- Implementation of Outcome-based learning education in each program.
- Conducts various the aptitude, soft skill, and career guidance classes for students to enhance personality and employability through training and placement cell.
- Participation of college in NIRF, NBA, AISHE, ISO, and various other quality audits recognized by the state, national and international agencies.
- Promoting Research and Development activities through Research and Development cell.
- Conducting quality programs i.e., seminars, webinars, guest lectures, conferences, etc.
- Establishment of various processes to take feedback/surveys from various stakeholders.
- Other than these initiatives IQAC works on improving the teaching-learning process and supports adopting Outcome-Based Education (OBE) in all programs of college gradually. The Program outcomes, program-specific outcomes, and course outcomes prepared by each program considering Bloom's taxonomy in collaboration with faculty, industry experts, and other stakeholders.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://egspec.org |

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

A. Any 4 or all of the above

| File Description | Documents |
|--|---|
| Paste the web link of annual reports of the Institution | http://www.egspec.org/igacteam.php |
| Upload e-copies of accreditations and certification | View File |
| Upload details of quality assurance initiatives of the institution | View File |
| Upload any additional information | No File Uploaded |

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

The institution has established its "Women Empowerment Cell" and "Internal Complaints Committee" for ensuring the upliftment of the women faculties and the girl students. Our college has 44 Women faculty and 898 girl students. The women empowerment cell functions with a Convener and representatives from all the departments of the institute and girl student representatives. The ICC has women convener, female and male staff members, female student members and lawyer. Various initiatives have been taken to promote women welfare, gender equity and safe environment for the women faculties and the female students. Gender Equity refers to the equal and fair treatment of men and women. Gender Sensitization is the fundamental need to understand the sensitive needs of a particular gender. Gender Sensitization Awareness Program is conducted every year in a regular schedule. An annual action plan is devised which includes Awareness Programs, Competitions etc. Awareness Program: Awareness Program on Gender Sensitization is scheduled at start of every academic year. Experts and notable persons of the related fields are invited as resource person to share the knowledge of gender sensitization and handling issues and challenges arising out of Gender inequality.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | http://www.egspec.org/wec.php |

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

A. Any 4 or All of the above

| File Description | Documents |
|--------------------------------|---------------------------|
| Geotagged Photographs | View File |
| Any other relevant information | No File Uploaded |

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

The institute is having well established policy and procedure for managing wastematerials. The waste materials of the institute are segregated into degradable and non-degradable waste. Separate containers and bins are provided in appropriate places such as laboratories, workshops, computer centers, libraries, offices, classrooms, canteens and rest rooms. The waste materials are managed under 3Rs method. Reduce, Reuse and Recycle. There is complete ban on one time plastic usage inside the campus.

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

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

A. Any 4 or all of the above

| File Description | Documents |
|--|---------------------------|
| Geotagged photographs / videos of the facilities | View File |
| Any other relevant information | No File Uploaded |

7.1.5 - Green campus initiatives include

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

A. Any 4 or All of the above

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

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

A. Any 4 or all of the above

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

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

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

The institution is committed to provide an inclusive environment to all the stakeholders of the organization. There are various programs organized involving students from all cultural, regional linguistic, communal and socio-economic background. The National Service Scheme (NSS) of the institution involves in various activities that helps in providing an inclusive environment in the

campus. The unit celebrates the birthanniversaries and memorial days of great leaders of various backgrounds. Studentcompetitions, rally's etc are conducted on this special day. The institute providespreference and opportunities to other state and linguistic background students inadmissions and other activities of the colleges such as cultural programs. The institutewithout any discrimination celebrates and arranges student cultural programs during thefestivals of all religions. Every year the college celebrates the "Pongal" includingparticipation of students from all religions. The institute offers Scholarships, freefacilities and fee concessions for SC/ST candidates. The students from low economicbackground are supported with extended time for fee payment, fee reduction etc. Theinstitute runs a training academy for the students from different cultural, regional,communal and low economic backgrounds where the students are trained for variouscompetitive exams with low fee or free coaching.

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

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

The institute believes in the concept of 'Every good citizen adds to the strength of a nation'. The institute organized various program as and when required to promote the social welfare and well being of the citizens. The institute organized a "Corona injectioncamp" to impart the prevention measures that needs to be followed to stay away from the pandemic disease. The students through the NSS camps involves in cleaning andSanitization activities inside and areas around the campus. The institute adopts Swatch Bharat and supports clean India motive by various programs. The institute is the centerfor Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Pradhan Mantri Kaushal Kendra (PMKK), Pradhan Mantri Yuva Yojana (PMYY). By adopting this scheme the instituteoffers various skill development trainings and Entrepreneurship development for the rural background students. The staff members are involved in organizing the programs thatinculcate the rights and duties and responsibilities of citizens. The students are involved in social activities for the upliftment of the rural areas.

| File Description | Documents |
|---|---------------------------|
| Details of activities that inculcate values necessary to transform students into responsible citizens | View File |
| Any other relevant information | View File |

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

| File Description | Documents |
|--|---------------------------|
| Code of Ethics - policy document | View File |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims | View File |
| Any other relevant information | View File |

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

The organization is committed to honor the great people of our nation and international personalities. The birthday of leaders who contributed for our nation is celebrated with great enthusiasm and interest. Every year "Gandhi Jayanthi" functions is organized with various competitions to the students. The March 8 th is Women Empowering day for the campus and is celebrated by organizing speech competitions, Quizzes, Physical activity competitions and motivational and awareness programs. The Independence Day and republic day is celebrated hoisting the national flag accompanied with various cultural programs. The institute

celebrates the "Pongal" festival and other religious festivals. The institute celebrates the birthday of Sarvalpalli Radhakrishnan as Teachers day. The Birthday of Dr. B. Ambedkar is celebrated as "Equality Day". Flower tribute and Program remembering the great leaders are organized as and when the event occurs.

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

7.2 - Best Practices

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

1. Entrepreneurship Development Cell
2. Rain water Harvesting
3. Solar cum Wind Operated Power Generation system
4. E-Governance Software
5. Skill Development Program

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | http://coe.egspec.org/admin/regulations/R2_021%20ME%20Regulations.pdf |
| Any other relevant information | http://egspec.org |

7.3 - Institutional Distinctiveness

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

Response:

E.G.S Pillay Engineering College (Autonomous) has a vision to transform our institution into a "Global Centre of Academic Excellence" by motivating the students in a creative approach for

the application of maximum knowledge and information about engineering and technology and to put forth their best endeavors in pursuit of triumph and engineering excellence. Education is all about creating an environment of academic freedom, where bright minds meet, discover and learn. One would experience top of the world living and learning experience at EGSPEC.

List of Special and Applied Labs:

1. Embedded System Lab
2. IoT Lab
3. Programming Lab
4. Open source Lab
5. Power system simulation Lab
6. Hydraulic Engineering Lab
7. Software related design Lab
8. Water and waste water Engineering Lab
9. Concrete and Highway Engineering Lab
10. Cloud Computing Lab
11. Project and Research Lab
12. Biochemistry and Human Physiology Lab
13. Biosensors and Transducer Lab
14. Diagnostic and Therapeutic Equipment Lab
15. Communication Skills Lab
16. Optical and Microwave Lab
17. Pathology and Microbiology Lab
18. Computer Aided Drafting Lab
19. Manufacturing Technology Lab
20. Computer Aided Simulation and Analysis Lab

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

EGSPEC curriculum is revised on a regular basis to reflect changes in the local and global scenario. The POs, PSOs and COs are measured by the faculty members of the institute. The learning objectives for different programmes at EGSPEC are designed and delivered with consideration for Issues related to local, national, regional and global developmental needs are included in the curricula. EGSPEC faculty is grouped under subjects related to Groups and all decisions related to academic inputs in a particular programme are taken by these groups, which are then approved by Board of Studies (BoS) of the respected programme. Each programme has a Board of Studies (BoS) which largely comprises of internal faculty and external members belong to industry, alumni and entrepreneur. The role of the board of studies is to examine curriculum revisions, sequencing of courses, alignment of course credits with regulatory requirements and referrals made by the discipline groups.

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

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

9

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

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

80

| File Description | Documents |
|---|---------------------------|
| Curriculum / Syllabus of such courses | View File |
| Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses | View File |
| MoUs with relevant organizations for these courses, if any | View File |
| Any additional information | View File |

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

9

| File Description | Documents |
|---|---------------------------|
| Minutes of relevant Academic Council/BoS meetings | View File |
| Any additional information | View File |
| Institutional data in prescribed format (Data Template) | View File |

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

12

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

1.3 - Curriculum Enrichment

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

The Institution is an AUTONOMOUS Engineering college that through its co-curricular activities tries to inculcate values and ethics among its students. It ensures not only effective curriculum delivery but also makes every effort to impart a holistic education that goes beyond the curriculum through myriad activities conducted throughout the year. Through these programmes students imbibe universal moral and social values, sensitivity towards gender issues and environmental consciousness are integrated into our curriculum.

| File Description | Documents |
|---|---------------------------|
| Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum | View File |
| Any additional information | View File |

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

32

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

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

3648

| File Description | Documents |
|----------------------------|---------------------------|
| List of students enrolled | View File |
| Any additional information | No File Uploaded |

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

641

| File Description | Documents |
|---|---------------------------|
| List of programmes and number of students undertaking field projects / internships / student projects | View File |
| Any additional information | No File Uploaded |

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

| File Description | Documents |
|---|---|
| Provide the URL for stakeholders' feedback report | http://egspec.org/facultyfeedback.php |
| Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management | No File Uploaded |
| Any additional information | No File Uploaded |

1.4.2 - The feedback system of the Institution comprises the following

A. Feedback collected, analysed and action taken made available on the website

| File Description | Documents |
|---|---|
| Provide URL for stakeholders' feedback report | http://egspec.org/facultyfacilitiesfeedback.php |
| Any additional information | No File Uploaded |

TEACHING-LEARNING AND EVALUATION**2.1 - Student Enrollment and Profile****2.1.1 - Enrolment of Students****2.1.1.1 - Number of students admitted (year-wise) during the year**

3648

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

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

1182

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

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

EGSPEC believes in customizing the teaching and learning processes to suit the requirements of students soon after the admission, the students are categorized as Advanced and Slow learners based on their Continuous Assessment Test (CAT). Based on the performance of those activities, students are categorized as advanced and slow learners.

Catering the needs of advanced learners:

1. Advanced learners are guided by faculty to go for additional courses with self learning like NPTEL, MOOCs, competitive Examinations
2. Exposed to new technologies like IoT, AI & ML, Data science etc.
3. Encouraged to participate in competitions, Smart India Hackathon challenge, coding contests etc.
4. The advanced learners are permitted to take honors and Minors in subsequent years.

Catering the needs of slow learners:

1. Bridge courses in basic programming, mathematics, and communication skills are conducted for lateral entry

students to fill the gap between diploma and engineering and to improve their confidence levels

2. Remedial classes/extra classes are conducted for slow learners who secured less marks in minor examinations and Mid semester examinations by subject experts/senior faculty for clarifying their doubts in the specific subjects
3. Special attention/counseling by the counselors

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://app.e-box.co.in/ |

2.2.2 - Student – Teacher (full-time) ratio

| Year | Number of Students | Number of Teachers |
|------------|--------------------|--------------------|
| 20/07/2021 | 3648 | 247 |

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

2.3 - Teaching- Learning Process

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

EGSPEC adopts student centric methods to make the Teaching Learning process more effective for the holistic development of students through experiential learning, Participative Learning and Problem solving Methodologies. Faculty of the institute imparts subject knowledge as per the syllabus and curriculum and foster self management and usage of knowledge, holistic development and skill development through participatory learning activities through Outcome Based Education(OBE).

The following activities have been adopted by the faculty and they adorn student-centric methods:

1. Experiential Learning:

- Laboratory Sessions
- Industrial Visits
- Field works and Internships.
- Industry Oriented Mini Projects/ Case studies

2. Participative Learning:

- Expert Talks, Workshops and seminars
- Group Discussions and Role plays
- MOOCs

| File Description | Documents |
|-----------------------------------|---|
| Upload any additional information | View File |
| Link for additional Information | http://www.egspec.org/labs.html |

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

EGSPEC infused ICT tools in pedagogy to improve learning, motivate and engage learners, promote collaboration, foster enquiry and exploration and create a student centric learning culture.

1. Generic tools for learning: Starting from productivity tools to simulation & modeling to access, extend, transform and share information e.g. Licensed and open source software for lab and Projects,
2. Content-based resources: to access a vast source of educational resources that effectively can be integrated in to the curriculum objectives e.g MHRD-NMEICT, NPTEL-SWAYAM, AICTE ATAL, Blogs, etc
3. Interactive instructional courseware: Self-paced learning materials e.g Google Class Room, Microsoft teams , Video Lecture, Course material in website etc The integration of ICT with teaching and learning has produced some of the significant positive gains in learners' knowledge, skills and attitudes by providing the following key advantages:

| File Description | Documents |
|--|---|
| Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process | http://www.egspec.org/ece.php |
| Upload any additional information | View File |

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

2.3.3.1 - Number of mentors

247

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

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

The purpose of academic planning and monitoring process is

- To ensure that all departments have done proper planning before the start of semester for conduction of lectures, practical's, and other co curricular and extracurricular activities.
- To ensure that effective teaching learning is taking place throughout the semester.
- To ensure that continuous assessment and evaluation is taking place to support teaching learning process

The process of academic planning and monitoring should be carried out through a systematic procedure as per the steps mentioned below:

- Preparation of Institute Academic Calendar
- Allocation of courses to faculty and their expertise
- Preparation of all timetables (Class/ Class Room/ Lab and faculty timetables)
- Preparation of Course Plan
- Curriculum Delivery (Theory and Practical Sessions)

- **Academic Monitoring:** HOD, Principal, Director/Academics will monitor the progress of syllabus coverage and necessary corrective actions will be taken for filling the gap.

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

2.4 - Teacher Profile and Quality

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

247

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

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

70

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

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

5

| File Description | Documents |
|---|---------------------------|
| List of teachers including their PAN, designation, Department and details of their experience | View File |
| Any additional information | No File Uploaded |

2.5 - Evaluation Process and Reforms

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

30

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

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

105

| File Description | Documents |
|---|---------------------------|
| Upload the number of complaints and total number of students who appeared for exams during the year | View File |
| Upload any additional information | View File |

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

Examination Reforms by the College

In line with the objective of examination reforms to make it an instrument for good education, the following activities are being followed at this institute.

- Internal weightage is 40% and the assessment is carried out in the form of Continuous Assessment Test and

Assignments, Activities

- End Semester Examination (ESE) assessment given to 60% weightage.
- To have validity and reliability, the questions papers CAT and End semester exams are prepared according to CO
- 'Guidelines for setting quality question paper' have been issued and circulated among all the faculty members for ensuring quality questions so as to test the students knowledge in defined cognitive domain levels.

ASSESSMENT AND ATTAINMENT CALCULATIONS FOR OUTCOME BASED EDUCATION:

As per the Institutes emphasis on most significant aspect of "Outcome Based Education (OBE)", examination branch ensuring assessment and attainment calculations of program outcomes (POs), course outcomes (COs), cognitive domain learning level outcomes on the results attained by the student.

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

2.6 - Student Performance and Learning Outcomes

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

All the POs, COs and PSOs of all the UG and PG programs are defined and displayed in the website.

Program Outcomes (PO) are broad statements that describe the professional accomplishments which the program aims at. POs are to be attained by the students by the time they complete the course. POs relate to the skills, knowledge and behavioral traits, the students need to acquire during their graduation. The Program Specific Outcomes (PSO) are the specific requirements to be met and the specific accomplishments to be fulfilled by the students relevant to their program of study.

POs, PSOs and COs are communicated to the teachers and students

Attainment of program outcomes and course outcomes are evaluated by the institution.

Assessment of learning outcomes is carried out using data collected from direct and indirect methods.

Direct method includes following: Assessment of theory courses, through internal examinations and end semester examinations, Assessment of laboratory course, Assessment of Project work.

Indirect method includes, course end survey and student exit survey.

The overall attainment of the PO is calculated both direct and indirect assessment, this overall attainment level is compared with expected level. If the expected attainment level is reached then it is attained.

| File Description | Documents |
|--|---|
| Upload COs for all courses (exemplars from the Glossary) | View File |
| Upload any additional information | View File |
| Link for additional Information | http://egspec.org |

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

For each course outcome, we followed the two kinds of Assessment methods such as direct methods and indirect methods. Assessment of learning outcomes is carried out using data collected from direct and indirect methods.

Direct methods include following:

- Assessment of theory courses, through internal examinations and semester end examinations
- Assessment of laboratory course
- Assessment of Project work
- Assessment of Mini projects
- Assessment of Internships
- Assessment of Seminars

Indirect methods include, course end survey and student exit survey.

All the courses which contribute to PO are identified and these

courses are evaluated through their course outcomes using direct assessment tools. The PO is also assessed using indirect assessment tools. The overall attainment is based on both direct and indirect assessment that particular PO. This attainment level is compared with expected level. If the expected attainment level is reached then the PO is considered as attained.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | http://egspec.org |

2.6.3 - Pass Percentage of students

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

648

| File Description | Documents |
|---|---|
| Upload list of Programmes and number of students appear for and passed in the final year examinations | View File |
| Upload any additional information | No File Uploaded |
| Paste link for the annual report | http://egspec.org |

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

<http://www.egspec.org/sssurvey.php>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

To encourage research among the faculty, the Institute has the facility of granting study leave, reimbursing a part of the expenditure incurred in establishing the experimental set-ups for their research and deputing the faculty to national/International conferences with complete registration fee, TA & DA. Presently the R&D Cell is taking care of:

- Creation of eco system for innovative and quality research and development environment on the campus
- Setting up new research centres recognized by AnnaUniversity, Warangal and renewal of the existing
- Administration of research scholars joining in various research centres of the institution
- Encourage the faculty to apply for Faculty Research Incentive Scheme and Faculty Research Support Scheme to publish research in high quality Non-Paid SCI / SCOPUS Indexed Journals.
- Supervise the faculty in submitting research projects to various funding agencies
- Facilitate the Faculty / Staff / Students using AntiPlagiarism (Urkund) Software
- Submission of research proposals prepared by faculty members and students to various funding agencies
- Preparation of annual R&D brochure
- Authentication of originality in project/thesis reports and paper publications with anti plagiarism software
- Annual budget preparations for their approvals

| File Description | Documents |
|--|---|
| Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption | View File |
| Provide URL of policy document on promotion of research uploaded on the website | http://www.egspec.org/biomrd.php |
| Any additional information | View File |

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

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)**747700**

| File Description | Documents |
|---|---------------------------|
| Minutes of the relevant bodies of the institution regarding seed money | View File |
| Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized | View File |
| List of teachers receiving grant and details of grant received | View File |
| Any additional information | No File Uploaded |

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**7**

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

3.2 - Resource Mobilization for Research**3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)****5517500**

| File Description | Documents |
|--|---------------------------|
| e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations | View File |
| List of projects and grant details | View File |
| Any additional information | View File |

3.2.2 - Number of teachers having research projects during the year

8

| File Description | Documents |
|---|---|
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | http://www.egspec.org |
| List of research projects during the year | View File |

3.2.3 - Number of teachers recognised as research guides

25

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

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

5

| File Description | Documents |
|---|---|
| Supporting document from Funding Agencies | View File |
| Paste link to funding agencies' website | http://www.egspec.org |
| Any additional information | View File |

3.3 - Innovation Ecosystem

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

Research & Development (R & D) Cell aims at motivating, monitoring and developing quality research in the institute.

It is positively working on collaborative R & D projects and entering MoUs with industries.

It also promotes creativity, research and innovation among the student community.

To encourage research among the faculty, the institute has the facility of gaining study leave, reimbursing a part of the expenditure incurred in establishing the experimental set-ups for their research and deputing the faculty to national/international conferences with complete registration fee, TA & DA. A separate provision is also made in budget for R& D.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org |

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

7

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

3.4 - Research Publications and Awards

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

A. All of the above

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

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

3.4.2.1 - Number of PhD students registered during the year

52

| File Description | Documents |
|--|---|
| URL to the research page on HEI website | https://cfr.annauniv.edu/research/academics/supervisor.php |
| List of PhD scholars and details like name of the guide, title of thesis, and year of registration | View File |
| Any additional information | No File Uploaded |

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

42

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

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

5

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org |

3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

3.4.5.1 - Total number of Citations in Scopus during the year

160

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

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

3.4.6.1 - h-index of Scopus during the year

10

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

3.5 - Consultancy

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

722080

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

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

324500

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

3.6 - Extension Activities

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

EGSPEC proudly conducts many extension activities for the benefit of surrounding community. EGSPEC strongly believes that extracurricular activities will open avenues for the students to make social participation and contribute for the social empowerment.

AIMS AND OBJECTIVES OF NSS:

- To develop competence required for group-living and sharing of responsibilities
- To gain skills in mobilising community participation
- To acquire leadership qualities and democratic attitude
- To develop capacity to meet emergencies and natural disasters
- To practice national integration and social harmony
- To understand the community in which they work
- To understand themselves in relation to their community.
- To identify the needs and problems of the community and involve them in problem solving process.
- To develop among themselves a sense of social and civic responsibility.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/nss.php |

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

14

| File Description | Documents |
|--|---------------------------|
| Number of awards for extension activities in during the year | View File |
| e-copy of the award letters | View File |
| Any additional information | No File Uploaded |

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

25

| File Description | Documents |
|---------------------------------|---------------------------|
| Reports of the events organized | View File |
| Any additional information | No File Uploaded |

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

207

| File Description | Documents |
|----------------------------|---------------------------|
| Reports of the events | View File |
| Any additional information | No File Uploaded |

3.7 - Collaboration

3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/

student exchange/ internship/ on-the-job training/ project work

17

| File Description | Documents |
|--|---------------------------|
| Copies of documents highlighting collaboration | View File |
| Any additional information | No File Uploaded |

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

12

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

INFRASTRUCTURE AND LEARNING RESOURCES**4.1 - Physical Facilities**

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

An adequate infrastructure is provided at the institute as per the norms specified by AICTE, and Anna University, Chennai to provide the infrastructure to facilitate effective teaching and learning to the students. Modernization and updating of infrastructure resources is carried out from time to time even over and above the norms of AICTE and AU for effective teaching and learning. The Institution provides modern infrastructure like smart classrooms, updated laboratories, library with reading room. As per the change in the syllabus, institution continuously upgrades infrastructural facilities.

Classrooms: are well ventilated with natural air and are having with LCD Projectors and WiFi.

Laboratories: are updated time to time with the latest equipment. Timely purchase, Maintenance and repairs is carried out and write off is also done for irreparable equipment. All the labs are having proper lighting and ventilation. The performance of equipment is monitored on a regular basis and the stock verification committee takes care of verification of instruments, its record in dead stock register and right-off of the equipment before the commencement of each semester of an academic year.

Computer laboratory: Sufficient number of computers with latest configuration along with printers, scanners and photocopiers

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | https://docs.google.com/document/d/1TpM3HRjFHhbCVE_QnUMXvNN_ZjgKT3BT/edit |

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

Cultural activities help students to build an all-rounder personality and improve their psychological as well as physical health. Overall development of students is enhanced through cultural activities which are carried out at college level through different clubs. Annual cultural festival is celebrated with great enthusiasm. This annual fest provides platform for students to exhibit their skills such as singing, acting in the club of music and poetry runs different music events such as singing competitions etc.

Sports activities (indoor and outdoor): A well-equipped gymnasium, yoga centre is available in campus. The Institution has adequate facilities for cultural activities, sports as well as for indoor, outdoor games and yoga centre. Seminar hall is used as a yoga centre. Area provided for Seminar Hall is 192 sq. m. Director of physical education looks after all sports activities in the college. The institution has playground for outdoor games. Basketball ground area is 25 m x 13 m. For indoor games 40 sq.m. and for gymnasium 30 sq.m space is provided.

| File Description | Documents |
|---------------------------------------|---|
| Geotagged pictures | View File |
| Upload any additional information | No File Uploaded |
| Paste link for additional information | http://www.egspec.org/infrastructure.html |

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

75

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | No File Uploaded |
| Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template) | View File |

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

267

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

4.2 - Library as a Learning Resource

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

The library management System : AutoLiband Year of Automation: 2003

Nature of automation : Fully Automated with bar code technology

The Online Public Access Catalogue tool is provided to explore library resources. Various search options available are:
General Search (wherein Users can search the library resources

using Title, Author, Publication, Keywords and Classification number), Advanced Search (facilitates search through various combinations such as Title, Author, Publication, Keywords, Classification number), Accession Search (which is Quick search of books can be done by using accession numbers). History of users and library resources: It is the main concern for tracking the library resources. OPAC link is shared on the college website under facilities page.

Subscriptions of e-resources are renewed annually. The e-resources available are IEEE ASPP, ASME, ASCE and DELNET. The monthly usage report for e-resources is generated through the same software i.e., IEEEASPP usage report. Similarly, the other journals also has a provision to generate usage report monthly. A register is maintained at the library wherein students/faculty sign at the time of entry and exit, too. This system ensures the security of books as well as the individual.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/library.html |

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

A. Any 4 or more of the above

| File Description | Documents |
|---|---------------------------|
| Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership | View File |
| Upload any additional information | No File Uploaded |

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

1,670

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

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

4.2.4.1 - Number of teachers and students using the library per day during the year

115

| File Description | Documents |
|--|---------------------------|
| Upload details of library usage by teachers and students | View File |
| Any additional information | View File |

4.3 - IT Infrastructure

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

Institute has updated configuration and LAN connected 750computers.

WiFi facility is also available at college and hostel premises.

All computers are connected to a AIRTELinternet connection having speed more than 310 MBPS.

Sufficient number of computers is allocated to all departments with necessary software and hardware configuration.

A central server room is maintained to look after connectivity of all computers and cyber security related issues.

For safety and security of data, a licensed SonicWallhaving facility of firewall.

Institute is having a Face recognition machine for taking Attendance of faculty and staff members.

Enterprise Resource Planning (ERP) based admission management module used by institute for the student database.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/itlab.php |

4.3.2 - Student - Computer ratio

| Number of Students | Number of Computers |
|--------------------|---------------------|
| 3648 | 750 |

| File Description | Documents |
|-----------------------------------|---------------------------|
| Upload any additional information | View File |

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus **A. 750 Mbps**

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

4.3.4 - Institution has facilities for e-content development: **A. All four of the above**
Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

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

4.4 - Maintenance of Campus Infrastructure

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

267

| File Description | Documents |
|-----------------------------------|---------------------------|
| Audited statements of accounts | View File |
| Upload any additional information | View File |

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

The Institute has an in-house maintenance team for maintenance of all Physical, Academic, and Support facilities such as building, electrical, plumbing, IT Infrastructure, classrooms, laboratories, Sports complex, and Library. The general maintenance team handles Electrical, plumbing and building-related issues. Regular check-up of Electrical appliances is done by electrical maintenance staff and maintained with immediate action.

Plumbing-related issues such as leakages/blockages are managed on time by the Plumbing team. Regular infrastructure inspection helps find repairs/paint requirements and the team arranges for the same. A team of housekeepers takes care of hygiene and cleanliness to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls, Laboratories, etc are cleaned and maintained on daily basis. The maintenance officer conducts periodic checks to ensure the efficiency/working condition of the infrastructure.

A centralized Compute maintenance team maintains all software/hardware, CCTV & IT infrastructure-related issues. Lab assistants under the supervision of the System Administrator maintain the efficiency of the college computers and accessories. The non-teaching staff is also trained in the maintenance of Laboratory and computer equipment. All the departments' take care of timely maintenance of the laboratory equipment during summer/winter break.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/infrastructure.html |

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1760

| File Description | Documents |
|---|---------------------------|
| Upload self-attested letters with the list of students receiving scholarships | View File |
| Upload any additional information | View File |

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

142

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

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

A. All of the above

| File Description | Documents |
|---|---|
| Link to Institutional website | http://egspec.org |
| Details of capability development and schemes | View File |
| Any additional information | No File Uploaded |

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

223

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

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees

A. All of the above

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

| | |
|--|---------------------------|
| 5.2 - Student Progression | |
| 5.2.1 - Number of outgoing students who got placement during the year | |
| 550 | |
| File Description | Documents |
| Self-attested list of students placed | View File |
| Upload any additional information | No File Uploaded |
| 5.2.2 - Number of outgoing students progressing to higher education | |
| 49 | |
| File Description | Documents |
| Upload supporting data for students/alumni | No File Uploaded |
| Details of students who went for higher education | View File |
| Any additional information | View File |
| 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year | |
| 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year | |
| 3 | |
| File Description | Documents |
| Upload supporting data for students/alumni | View File |
| Any additional information | View File |
| 5.3 - Student Participation and Activities | |
| 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year | |
| 26 | |

| File Description | Documents |
|--|---------------------------|
| e-copies of award letters and certificates | View File |
| Any additional information | View File |

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

The institute encourages the active participation of students through nomination by HODs and Principal. The Institute nominated Cultural Committee and Sports Committee. These student committees actively work for different activities conducted in the institute. The representative of the students' council of the college participates at the university level. The President and Secretary of the Students' Council of the college are members of the College Development Committee. Student Council is a representative structure through which students in the college get involved in the affairs of the college for the benefit of the college and all students. The objective of the formation of this council is to enhance communication between students, management, and staff; promote an environment conducive to educational and personal development; support the management and staff in the development of the college; represent the views of the students on matters of general concern to them. Besides, the college has constituted academic and administrative committees i. e. Anti-ragging Committee, Women's Development Cell, Sports Committee, Cultural Committee, NSS Committee and Student Forum in each Department.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://www.egspec.org/nss.php |

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

2

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

5.4 - Alumni Engagement

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

The College has established Alumni Association. Alumni Association is registered under Societies Registration Act 1860. Alumni Association meetings with Management and staff are periodically conducted in the college and at other important places. The Alumni Association connects the Institution and former graduates in a symbiotic relationship. The formation of an alumni association contributes to the development and strengthening of long-term relationships with our alumni, the Institute, and current students.

The objectives of the Alumni Association are to provide a Forum for members of the Society for interaction; to achieve a high degree of belongingness with the College and the Society; to foster a feeling of brotherhood and friendship; to enroll the members from time to time and keep them abreast with the activities of the Society; to provide adequate avenues for drawing upon the knowledge and expertise of the alumni for furthering the cause of the College to attain good position and influence in the academic, social and business world and many more. The institute along with alumni discusses with other stakeholders on various matters and academic performance and alumni feedback is obtained for improvement in quality.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | https://docs.google.com/forms/d/e/1FAIpQLSfLvoekGAfIMRKnuGyIRTsa-etkOLrESHN7xLEA1HmQ9e9G-Q/viewform |

| | |
|--|---|
| 5.4.2 - Alumni's financial contribution during the year | A. ? 15 Lakhs |
| File Description | Documents |
| Upload any additional information | View File |
| GOVERNANCE, LEADERSHIP AND MANAGEMENT | |
| 6.1 - Institutional Vision and Leadership | |
| 6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution | |
| <p>The institution has established Vision and Missions and a well structured organization chart is attached in the documentation.</p> <p>The institution has a perspective plan in tune with the Vision and Mission for effective governance and leadership. Governance of the institution is reflective of effective leadership: The Principal and is aided by the Directors, HODs, Finance Officer, Section Heads, and Chairpersons of Committees. IQAC, Academic Section, Examination section, R &D Cell, Mentoring, T&P Cell, and other sections do take part in the governance of the College. The Institute's Policies, Strategies, Resources, and Quality Assurance cater to the needs of the Institute including Academics, Research, Innovation, and Social Responsibility. The requirements and inputs are identified by the HODs and routed through the Finance Committee and the Principal. Accordingly, the proposals are presented to the Governing Body for its approval. The Principal will suitably be initiating necessary steps put up to the statutory bodies for their consideration, approval, and implementation. The academic council and BOS view those decisions for implementation.</p> | |
| File Description | Documents |
| Upload any additional information | View File |
| Paste link for additional Information | http://www.egspec.org/csevm.php |
| 6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management | |
| Institution has well defined policies formulated with the active participation of faculty | |

members, HoDs, Directors, Principal and management authorities. Institution follows decentralized working for academic and administrative activities that are distributed amongst faculty and staff members. Internal Quality Assurance Cell (IQAC) functions for smooth conduction of overall activities and helps in effective implementation of quality policy. Incharge of IQAC and provides guidelines for maintaining quality in all aspects. Directors for Academics, Research and Development, Student affairs and Administration heads various committees under them. Faculty members get involved and contribute for the various activities.

| File Description | Documents |
|---|---|
| Upload strategic plan and deployment documents on the website | View File |
| Upload any additional information | No File Uploaded |
| Paste link for additional Information | http://egspec.org |

6.2 - Strategy Development and Deployment

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

The Institute prepared short-term and long-term strategic plans for effective implementation. It is approved by the Governing body where in the goals and action plans are aligned with the Institute's Vision and Mission. Following are the short-term and long-term goals listed below

Short-term goals: To appoint quality Ph.D. faculty; Quality assurance and endurance through Accreditation by ISO, NAAC, and NBA; Academic excellence by achieving 100% pass in the Examinations; Encouraging student participation in co-curricular and extra-curricular activities for their overall development; Honing the life skills of the students; To conduct Add on value-added courses for students on content beyond syllabus and Industry requirements; Arranging 100% placements for students; Organizing programs on Entrepreneurship development.

Long-term goals: To be an Autonomous Institute; To attain the status of Centre of Excellence in Technical Education and Research; To offer viable programs of relevance for the upliftment of rural students and populace; To develop strong Research & Development Centre; To fully develop Innovation and Incubation center As per the goals

laid down, The Institute started working on these goals.

| File Description | Documents |
|--|---|
| Strategic Plan and deployment documents on the website | View File |
| Paste link for additional information | http://egspec.org |
| Upload any additional information | No File Uploaded |

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

A hierarchical sets up is established from top management to down the level clearly demarking the Duties, Responsibilities, Accountability and Authorities at every stage. The institution has a Governing council to monitor and achieving the vision and mission of the institution. It has an effective organizational structure which monitors and improves the institution. Looks after the Administration, development of education, growth & expansion of the institution. He can cause any action to be initiated which is required in his opinion for the promotion of the above subject matter to ratification by the Governing Body. He coordinates between the sponsoring Society, College Management and the other systems of the college. The institution has a system to register grievances from students, staff and parents. Suggestion boxes are kept in all the building's entrance. Students and Staff members can register their grievances in GR cell. Grievances are communicated to the grievance redressal cell by the students, staff and parents through oral communications and in written forms (if necessary).

| File Description | Documents |
|---|---|
| Paste link to Organogram on the institution webpage | http://egspec.org |
| Upload any additional information | View File |
| Paste link for additional Information | http://egspec.org |

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance

A. All of the above

and Accounts Student Admission and Support Examination

| File Description | Documents |
|---|---------------------------|
| ERP (Enterprise Resource Planning) Documen | View File |
| Screen shots of user interfaces | No File Uploaded |
| Details of implementation of e-governance in areas of operation | View File |
| Any additional information | No File Uploaded |

6.3 - Faculty Empowerment Strategies

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

E.G.S. Pillay Engineering College effectively implements the welfare schemes for the teaching and non-teaching staff. The college makes arrangements for availing all the government schemes such as employee's provident fund, permission to pursue part time PhD, permission to attend faculty development programmes, transport, medical facility, maternity leave, tuition fee concession to the children, conference and training support, salary advance/ loan facility, etc. The faculties are given PF benefits right from the day of their joining in the college. This is done as per requirements by AICTE and keeping in view the financial safety of employees or their dependents.

Avenues for Career Development and Progression:

- Seed money provided for faculties to encourage them to undertake research projects and publishing research papers in reputed journal.
- Orientation programmes, workshops, and faculty development programmes for teaching and non-teaching staff are conducted regularly to enrich their knowledge.
- Incentive in the form of salary hike for the faculty for completing their PhD degree.

Financial Support

- Financial support is provided to attend workshops and conferences both at the national and international level.
- Tuition fee concession is provided to the children of the

teaching and non-teaching staff.

- Salary in advance and interest free loan facility is available.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://egspec.org |

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

110939

| File Description | Documents |
|---|---------------------------|
| Upload any additional information | View File |
| Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template) | View File |

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

25

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

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

151

| File Description | Documents |
|---|---------------------------|
| Summary of the IQAC report | View File |
| Reports of the Human Resource Development Centres (UGC ASC or other relevant centers) | View File |
| Upload any additional information | View File |

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance. Internal audit is conducted on half yearly basis by the internal financial committee of the institution. The committee thoroughly verifies the income and expenditure details and the compliance report of internal audit is submitted to the management of the institution through principal. External audit is conducted once in every year by an external agency. A well planned schedule of regular academic activities, new ventures, scholarships, functions and extracurricular activities is prepared by the academic team comprising of Management Representatives, Principal, Deans and Heads of Departments at the start of every academic year. This enables preparation of budgets as per the requirements and is open to slight modifications at the start of odd and even semesters. It has been a regular practice that the expenses of the activities are submitted to the Accounts officer at the closure of the ventures and planned activities by the committee allocated for the specific task of closing the accounts.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://egspec.org |

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

32.58

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

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

The institution always monitors the effective and efficient use of available financial resources for the infrastructure development to support teaching learning process. E.G.S. Pillay Engineering College is a self-financed private institution, tuition fee is the main source of income. Along with tuition fee, research grants from various Government and Non-Government agencies, consultancy projects are add on resources for mobilization of funds. These funds are utilized for all recurring and non-recurring expenditure. The institution has a well-defined mechanism to monitor effective utilization of available financial resources for the development of the infrastructure to augment academic needs. All the administrative and academic heads along with coordinators of different cells (viz., R&D cell, placement cell, library (for the purchase of books / journals), purchase committee (for repair and maintenance cost) software and internet charges, printing and stationary, equipment and consumables, furniture and fixtures), NSS cell, sports, etc., will submit the budget requirements for the coming academic year. The principal prepares an annual budget estimate duly considering the proposals received and also the recommendations of the principal and management.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | http://egspec.org |

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First

Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)

IQAC The primary goal of IQAC is to create a system for taking deliberate, consistent, and catalytic action to improve the institution's academic and administrative performance. The main goal is to promote measures that will improve institutional performance by internalizing a quality culture and institutionalizing best practices. **Post Accreditation Improvements** The following are the achievement/academic improvements wherein the IQAC put its stamp of quality practice: **Teaching -Learning** Student learning is assessed through Continuous Assessment Tests and an End of Semester Examination administered during their direct and indirect assessment tools. Quality checks are deployed at every stage of student learning to not only measure them but also improve them continuously. In order to maintain the quality standards, every process is thoroughly monitored through a wide-range of testing tools, audits, surveys, and feedback channels through the college quality cell. IQAC played a key role in initiating the necessary measures to meet the desired objectives and to foster effective and efficient educational practices.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://egspec.org |

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

The IQAC continuously reviews and takes steps towards quality education and inculcating quality culture among the students and staff. The IQAC has also contributed towards institutionalizing the quality assurance strategies and developed various processes as follows:

- Promote industrial involvement in academic practices by organizing industrial training, industrial visits, workshops, and guest lecturers from industry experts, MOUs, etc.
- Implementation of Outcome-based learning education in each program.
- Conducts various the aptitude, soft skill, and career guidance classes for students to enhance personality and

employability through training and placement cell.

- Participation of college in NIRF, NBA, AISHE, ISO, and various other quality audits recognized by the state, national and international agencies.
- Promoting Research and Development activities through Research and Development cell.
- Conducting quality programs i.e., seminars, webinars, guest lectures, conferences, etc.
- Establishment of various processes to take feedback/surveys from various stakeholders.
- Other than these initiatives IQAC works on improving the teaching-learning process and supports adopting Outcome-Based Education (OBE) in all programs of college gradually. The Program outcomes, program-specific outcomes, and course outcomes prepared by each program considering Bloom's taxonomy in collaboration with faculty, industry experts, and other stakeholders.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional information | http://egspec.org |

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

A. Any 4 or all of the above

| File Description | Documents |
|--|---|
| Paste the web link of annual reports of the Institution | http://www.egspec.org/igacteam.php |
| Upload e-copies of accreditations and certification | View File |
| Upload details of quality assurance initiatives of the institution | View File |
| Upload any additional information | No File Uploaded |

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

The institution has established its "Women Empowerment Cell" and "Internal Complaints Committee" for ensuring the upliftment of the women faculties and the girl students. Our college has 44 Women faculty and 898 girl students. The women empowerment cell functions with a Convener and representatives from all the departments of the institute and girl student representatives. The ICC has women convener, female and male staff members, female student members and lawyer. Various initiatives have been taken to promote women welfare, gender equity and safe environment for the women faculties and the female students. Gender Equity refers to the equal and fair treatment of men and women. Gender Sensitization is the fundamental need to understand the sensitive needs of a particular gender. Gender Sensitization Awareness Program is conducted every year in a regular schedule. An annual action plan is devised which includes Awareness Programs, Competitions etc. Awareness Program: Awareness Program on Gender Sensitization is scheduled at the start of every academic year. Experts and notable persons of the related fields are invited as resource persons to share the knowledge of gender sensitization and handling issues and challenges arising out of Gender inequality.

| File Description | Documents |
|---------------------------------------|---|
| Upload any additional information | View File |
| Paste link for additional Information | http://www.egspec.org/wec.php |

| | |
|---|-------------------------------------|
| 7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment | A. Any 4 or All of the above |
| File Description | Documents |
| Geotagged Photographs | View File |
| Any other relevant information | No File Uploaded |
| 7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words) | |
| <p>The institute is having well established policy and procedure for managing wastematerials. The waste materials of the institute are segregated into degradable and non-degradable waste. Separate containers and bins are provided in appropriate places such as laboratories, workshops, computer centers, libraries, offices, classrooms, canteens and rest rooms. The waste materials are managed under 3Rs method. Reduce, Reuse and Recycle. There is complete ban on one time plastic usage inside the campus.</p> | |
| File Description | Documents |
| Relevant documents like agreements/MoUs with Government and other approved agencies | View File |
| Geotagged photographs of the facilities | View File |
| Any other relevant information | No File Uploaded |
| 7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus | A. Any 4 or all of the above |

| File Description | Documents |
|--|---------------------------|
| Geotagged photographs / videos of the facilities | View File |
| Any other relevant information | No File Uploaded |

7.1.5 - Green campus initiatives include

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

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

A. Any 4 or All of the above

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

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

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:

- 1. Green audit**
- 2. Energy audit**
- 3. Environment audit**
- 4. Clean and green campus recognitions/awards**
- 5. Beyond the campus environmental promotional activities**

A. Any 4 or all of the above

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

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.

A. Any 4 or all of the above

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

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

The institution is committed to provide an inclusive environment to all the stakeholders of the organization. There are various programs organized involving students from all cultural, regional linguistic, communal and socio-economic

background. The National Service Scheme (NSS) of the institution involves in various activities that helps in providing an inclusive environment in the campus. The unit celebrates the birthanniversaries and memorial days of great leaders of various backgrounds. Studentcompetitions, rally's etc are conducted on this special day. The institute providespreference and opportunities to other state and linguistic background students inadmissions and other activities of the colleges such as cultural programs. The institutewithout any discrimination celebrates and arranges student cultural programs during thefestivals of all religions. Every year the college celebrates the "Pongal" includingparticipation of students from all religions. The institute offers Scholarships, freefacilities and fee concessions for SC/ST candidates. The students from low economicbackground are supported with extended time for fee payment, fee reduction etc. Theinstitute runs a training academy for the students from different cultural, regional,communal and low economic backgrounds where the students are trained for variouscompetitive exams with low fee or free coaching.

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

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

The institute believes in the concept of 'Every good citizen adds to the strength of a nation'. The institute organized various program as and when required to promote the social welfare and well being of the citizens. The institute organized a "Corona injectioncamp" to impart the prevention measures that needs to be followed to stay away from the pandemic disease. The students through the NSS camps involves in cleaning andSanitization activities inside and areas around the campus. The institute adopts Swatch Bharat and supports clean India motive by various programs. The institute is the centerfor Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Pradhan Mantri Kaushal Kendra (PMKK), Pradhan Mantri Yuva Yojana (PMYY). By adopting this scheme the instituteoffers various skill development trainings and Entrepreneurship development for the rural background students. The staff members are involved in

organizing the programs that inculcate the rights and duties and responsibilities of citizens. The students are involved in social activities for the upliftment of the rural areas.

| File Description | Documents |
|---|---------------------------|
| Details of activities that inculcate values necessary to transform students into responsible citizens | View File |
| Any other relevant information | View File |

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

A. All of the above

| File Description | Documents |
|--|---------------------------|
| Code of Ethics - policy document | View File |
| Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims | View File |
| Any other relevant information | View File |

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

The organization is committed to honor the great people of our nation and international personalities. The birthday of leaders who contributed for our nation is celebrated with great enthusiasm and interest. Every year "Gandhi Jayanthi" functions is organized with various competitions to the students. The March 8 th is Women Empowering day for the campus and is

celebrated by organizing speech competitions, Quizzes, Physical activity competitions and motivational and awareness programs. The Independence Day and republic day is celebrated hoisting the national flag accompanied with various cultural programs. The institute celebrates the "Pongal" festival and other religious festivals. The institute celebrates the birthday of Sarvalpalli Radhakrishnan as Teachers day. The Birthday of Dr. B. Ambedkar is celebrated as "Equality Day". Flower tribute and Program remembering the great leaders are organized as and when the event occurs.

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

7.2 - Best Practices

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

1. Entrepreneurship Development Cell
2. Rain water Harvesting
3. Solar cum Wind Operated Power Generation system
4. E-Governance Software
5. Skill Development Program

| File Description | Documents |
|---|---|
| Best practices in the Institutional website | http://coe.egspec.org/admin/regulations/R2021%20ME%20Regulations.pdf |
| Any other relevant information | http://egspec.org |

7.3 - Institutional Distinctiveness

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

Response:

E.G.S Pillay Engineering College (Autonomous) has a vision to transform our institution into a "Global Centre of Academic Excellence" by motivating the students in a creative approach for the application of maximum knowledge and information about engineering and technology and to put forth their best endeavors in pursuit of triumph and engineering excellence. Education is all about creating an environment of academic freedom, where bright minds meet, discover and learn. One would experience top of the world living and learning experience at EGSPEC.

List of Special and Applied Labs:

1. Embedded System Lab
2. IoT Lab
3. Programming Lab
4. Open source Lab
5. Power system simulation Lab
6. Hydraulic Engineering Lab
7. Software related design Lab
8. Water and waste water Engineering Lab
9. Concrete and Highway Engineering Lab
10. Cloud Computing Lab
11. Project and Research Lab
12. Biochemistry and Human Physiology Lab
13. Biosensors and Transducer Lab
14. Diagnostic and Therapeutic Equipment Lab
15. Communication Skills Lab
16. Optical and Microwave Lab
17. Pathology and Microbiology Lab
18. Computer Aided Drafting Lab
19. Manufacturing Technology Lab
20. Computer Aided Simulation and Analysis Lab

| File Description | Documents |
|---|---|
| Appropriate link in the institutional website | http://www.egspec.org/labs.html |
| Any other relevant information | View File |

7.3.2 - Plan of action for the next academic year

- To enhance placement and Alumni activities
- To enrich Industry Institute interaction

- To conduct Faculty development programs on cutting-edge technologies.
- To enhance value-added courses for students in association with industry
- To strengthen Research & Development in the departments
- Planning of NAAC accreditation for the second cycle
- International Conference at the institute level
- Participation in NIRF ranking
- Increase the number of PhDs, PhD guides and cadre ratio in each department
- Increase research papers in SCOPUS/ SCI/ UGC indexed journals every year
- Increase number of patents, copy rights, research funding, sponsored projects, internships
- Motivate faculties towards E-content development
- Techno-Social activities