



YEARLY STATUS REPORT - 2022-2023

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
Cycle 2	A++	3.56	2023	02/08/2023	01/08/2028

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 **3**

- 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)

All the departments are encouraged to conduct seminars, workshops, conference etc.,

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

All the faculty members are encouraged to publish more number of research articles in reputed journals

The roadmap for the year 2022-2023 is prepared and the activities are executed as per the roadmap in a timely manner

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
To conduct Bridge course for I year students	A bridge course was conducted successfully for first year
To ensure all the PG Final year students published their project in Scopus indexed Journals	All the PG Final year students published their project in Scopus indexed Journals
To ensure all the departments to sign at least one MoU with reputed industries for mutually-beneficial interaction and conduct at least 5 mutually-beneficial interaction programmes with MOU signed Industries	All the departments are signed MoUs with reputed industries and they have conducted various mutually-beneficial interaction programmes
To encourage faculty members to apply patents and copy rights	The institution has 37 Patents and 17 copyrights
To encourage faculty members to increase number of consultancy projects	All the departments were carried out consultancy projects for various organizations

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	20/06/2023

14. Was the institutional data submitted to AISHE ? Yes

- Year

Part A

Data of the Institution

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Cycle 2	A++	3.56	2023	02/08/2023	01/08/2028
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Name of the statutory body	Date of meeting(s)
Governing Body	20/06/2023
14. Was the institutional data submitted to AISHE ?	Yes
<ul style="list-style-type: none"> Year 	
Year	Date of Submission
2022-2023	22/01/2024

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	16
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Number of programmes offered during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2. Student

2.1	3451
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Total number of students during the year:

File Description	Documents
Institutional data in Prescribed format	View File

2.2	938
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Number of outgoing / final year students during the year:

File Description	Documents
Institutional Data in Prescribed Format	View File

2.3	3451
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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:	765
File Description	Documents
Institutional Data in Prescribed Format	View File
3.2 Number of full-time teachers during the year:	231
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:	684
4.2 Total number of Classrooms and Seminar halls	82
4.3 Total number of computers on campus for academic purposes	750
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	393.54

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.

E.G.S. Pillay Engineering College 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. Our faculties are 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

1

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

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

611

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

1.2 - Academic Flexibility

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

82

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

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
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

E.G.S. Pillay Engineering College offers Professional Ethics

course for all UG students to impart ethical principles and responsibilities such as characteristics of morals, Honesty, Courage, Valuing Time, Engineering Ethics, safety and responsibility of Engineers, rules and standards followed by the engineers in their roles as professionals and codes of ethics. The institution creates safe, secure and congenial environment for female students as well as staff to progress on equal basis. It has Women Empowerment Cell and Grievance Redressal Cell to counsel students and staff, promote gender equity among students and also handle issues related to safety and security of female students, staff and faculty. These cells organize programmes on woman empowerment, laws for woman, women's day celebration and programmes to increase awareness related to personal hygiene amongst girl child, rights and equality issues of the women. The female students are encouraged to participate on equal basis in curricular and extra-curricular activities. The institute gives importance to environmental sustainability to addresses the related issues. The institute offer ME-Environmental Engineering programme to provide the required skills to our students to handle environmental problems. The curriculum includes courses related to environment such as Principles and Design of Physico-Chemical Treatment Systems, Transport of Water and Waste Water, Air Pollution Monitoring and Control, Industrial Waste Management, Solid and Hazardous Waste Management, Environmental Impact Assessment, etc. to impart environmental education among the students. All the departments offer Environmental Studies as undergraduate course.

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

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

28

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

2950

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

1740

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	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

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	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

978

File Description	Documents
Any additional information	No File Uploaded
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)

684

File Description	Documents
Any additional information	No File Uploaded
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.

E.G.S. Pillay Engineering College 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, STADD PRO, etc.
3. Encouraged to participate in competitions, Smart India Hackathon challenge, coding contests etc.

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 level
2. Remedial classes/extra classes are conducted for slow learners who secured less marks in CAT examinations by subject experts/senior faculty for clarifying their doubts in the specific subjects
3. Special attention/counselling by the counsellors

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2022	3451	231

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:

Teaching-learning methods adopted by the faculty members include Lecture Method, Interactive Method, Project-based Learning,

Computer-assisted Learning, Experiential Learning, etc.

Lecture methods commonly adopted by all teachers. This method facilitates the teacher to interpret, explain and revise the content of a text-only for better understanding of the subject by the learners.

The faculty members make learning interactive with students by motivating student participation in group discussion, role-play, subject quiz, news analysis, discussion, and questions and answers on current affairs. Department conducts add-on programs to support students in their experiential learning. The department implements experiential learning practices to improve creativity and cognitive levels of the students. Industrial Visits to engage them in experiential learning while visiting the organization. Students are motivated to do their major and mini projects by developing their model in the technical fest or project expo.

In participatory learning, students participate in different activities such as seminars, group discussions, poster designing, projects, and skill-based add-on courses. Students are encouraged to participate in activities where they can use their specialized technical or management skills. Department encourages students to acquire and develop problem solving skills. For this, the department organizes expert lectures on different topics, participate in different technical tests and other competitions.

In addition to the traditional teaching-learning methods, the institute is providing innovative student-centric methods such as Hackathons, Workshops, Seminars, Virtual Lab, Simulation, Roleplay, Review web literature, Video, Demonstration, Activity-based learning, Flipped Classroom, Guest lecture, GD/ debate, e-classroom, project-based learning, mind map, proto-type model, crosswords, and research projects.

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

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

The institute has been applying different ICT tools to procure,

disseminate, store, analyse, and store information. Faculties utilize ICT tools in teaching-learning process to support, enhance, and optimize the effectiveness lecture delivery method. Each class room is equipped with LCD projector to enable the faculty to present the course topic as power point presentations and video lectures, motivating the students for active learning. This technology can improve the learning skill of students and encourage participative and experiential learning. ICT enables students to access for different information sources. The institute uses following ICT tools are used to enhance

- Power point presentations: Faculties are encouraged to use PPT in their teaching.
- ICT in seminar halls: The seminar halls are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.
- Online quiz: Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.
- Online classes: Students are instructed with the help of Great learning/Zoom/Google meet applications.
- Video lecture: Recording of video lectures is made available to students for long term learning and future referencing.
- Online competitions: Various technical events and management events such as Poster making, Ad-mad show, Project presentations, Business quiz, Debates, paper presentations etc. are being organized with the help of various Information Communication Tools.
- Online FDPs/Workshops/Seminars: Teachers use various ICT tools for conducting workshops on latest methods such as Faculty development programmes, Programming languages, simulations etc.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
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

215

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 institution prepares the academic calendar every year in advance. The calendar includes the details of all the working days, holidays, dates of the continuous assessment tests, list of academic activities of year and the dates of national as well as religious importance. Academic calendar provides the total effective working days available in a given semester. Then the director and senior colleagues prepare the time table by correlating the working days available and coverage of curriculum of the subjects. Thus, the academic calendar monitors the effective delivery of the program with academic inputs. The academic calendar ensures well-functioning of the Institution. The same is also uploaded on the website. The institution carries out the activities as per the calendar.

The college has a well-defined curriculum with timeframe that is provided to the students at the beginning of the course. The course teachers prepare unit-wise teaching plan, describing timescale, teaching aids, methods of teaching-learning and assessment of the same. The teaching plan for each course visualizes the plan of the teacher to make each class more informative, interesting, analytical and resourceful. The faculty are encouraged to update the methods of teaching and evaluation, especially of the use of ICT enabled tools and facilities. The course teachers are able to assess the learning ability of the students periodically on the basis of their respective teaching plans. It helps both the teacher and the learners to take part in the teaching and learning process effectively.

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

231

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

79

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)

1447

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**

41

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	No File Uploaded
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

52

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

E.G.S. Pillay Engineering College adopts integration of IT in each part of the examinations conduction to systemize and reduce the human efforts. The entire examination processes are automated through ERP software. End semester examination schedules are made available in the website and the same also forwarded to the students through social media like WhatsApp. Question papers are prepared in a password protected document by the senior subject experts from various autonomous institutions through email. Question papers setting is based on Higher Order Thinking Skills with Revised Blooms Taxonomy. Scrutinizing system is followed in order to ensure error-free question papers. Printing of question papers with high-speed printers and make it ready for the next day exams. Evaluated answer scripts are scanned by a high-speed scanner to fetch the marks of each question and the total marks secured by the candidates. Course enrolment is done through ERP software. As per college norms, two continuous assessment test and optional test is conducted for each theory courses. The marks are entered through ERP for internal mark calculation.

File Description	Documents
Upload any additional information	No File Uploaded
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

The college has clearly stated learning outcomes of the Programs and Courses. Every department depending on the program they are offering has stated the programme specific outcome. The course outcome elaborates on the content of the course and the competencies a learner would acquire after successful completion of the course. Along with the course outcomes the learner outcomes are also described. Whenever the curriculum is revised and depending on the course content the course outcomes are revisited and revised after discussion with the members of the Board of studies and tabled in the Academic council meeting for their due approval. The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students. The program outcomes have been displayed on the college website. Hard Copy of syllabi and Learning Outcomes are available in the departments for ready reference to the teachers and students. The importance of the learning outcomes has been communicated to the teachers in every IQAC meeting. During the induction program students are made aware about the POs, PSOs and COs which are described and available on the college website. In addition, a hard copy of the same is available with every subject teacher to appraise the students about the expected outcome after completion of the course. The information on PSOs and COs helps students to make a choice on the course that he or she would like to pursue.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

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

The institution has developed an efficient mechanism to measure the attainment of the Programme outcomes, Programme specific outcomes and course outcomes and the same are communicated to the students in the formal way of the discussion in the classroom. A well-defined Outcome Based Education Manual has been developed for both Faculties and Students, defining the parameters and procedures for evaluating the assessment on the basis of defined Learning Outcome. Attainment of program outcomes, program specific outcomes and course outcomes are evaluated on the basis of both Continuous Assessment and End Semester Examination. Continuous Assessment and End Semester examination are designed on the basis of PO, PEO and CO's defined for each course. Mapping of each question (both Continuous assessment and End Semester Examination) is carried out with the specific Course Outcome. Mapping of question is also carried out as per the level of Bloom's Taxonomy to ensure the both Lower Order & Higher order of understanding of the Course by the students. Attainment level of Continuous Assessment and End Semester Examination by each student is then integrated using the defined procedure and formulae to analyse the attainment of the specific Course as per the defined Program Learning Outcome.

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

2.6.3 - Pass Percentage of students

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

644

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	Nil

2.7 - Student Satisfaction Survey

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

<https://coe.egspec.org/index.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

E.G.S. Pillay Engineering College has promoted meaningful scientific and technological Research and Development activities with a vision and mission to pursue and promote Research in Frontier Technologies as well as in the various disciplines of Engineering. Research and Development (R&D) cell provides a platform for creativity and innovation to flourish young minds in Institute. Innovative breakthroughs will happen only because of meticulous efforts of R&D. The Management has instituted a Seed Money Scheme for the promotion of research which encourages multidisciplinary mission-oriented research. For internal funding, an individual faculty should route the proposal through HOD to Principal and then to R&D Cell. The projects are selected based on novelty and usefulness of the theme of the project. The corresponding faculties are provided with the seed money by our Management. RCC takes initiatives in identifying potential researchers and distributes grant as per the policy and procedures. The faculty involved in research and research publications are encouraged with incentives (Seed money, Rs. 25,000 for SCI indexed journal, Rs. 7,500 for Scopus indexed journal, and Rs.5000 for Book chapters) and their excellent contributions are recognized through, Governing council report and Annual Report. Faculties are also provided fund for attending and presenting research articles in reputed conferences within and outside the country.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	https://egspec.org/pdf/R&D_POLICY.pdf
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)

4.11

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
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

12

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
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)

5.96

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	No File Uploaded
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

29

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

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

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

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.

E.G.S. Pillay Engineering College provides a conducive environment for innovations, creations, and transfer of knowledge and incubation. Students are encouraged to actively involve in the application of technology for societal needs. Awareness meets, workshops, seminars, and guest lectures on Entrepreneurship are organized by IQAC, the R&D cell, and the Entrepreneurship development cell. The institution signed MoUs with reputed industries to partner in research projects. The Management has instituted a Seed Money Scheme for the promotion of research which encourages multidisciplinary mission oriented research. IPR Cell is established to provide a platform to share and discuss the latest development and applications with practical exposure and assist faculty members, students, and research scholars in filing patents and copyrights. Product service training is provided for creating awareness of marketing the products. Students are provided with facilities to build prototypes useful for the promotion of agriculture and rural development. The EDC Cell continuously conducts events and awareness workshops for students. Institution Innovation Council (IIC) is established as per the guidelines of 'MoE's Innovation Cell (MIC)' to create a vibrant local innovation ecosystem and start-up supporting mechanism for scouting and pre-incubation of ideas. IIC promotes and supports Research, Innovation, and Entrepreneurship among students and faculty and adds value for both social and economic growth. This cell is actively involved in organizing and conducting seminars, workshops, field trips, project exhibitions, entrepreneurship boot camps, Idea competitions, etc. for its students and faculties.

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

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

16

File Description	Documents
Report of the events	No File Uploaded
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	No File Uploaded

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

8

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

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

88

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

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

29

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

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

2730

File Description	Documents
Any additional information	No File Uploaded
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

27

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)

9.30

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	View File
Any additional information	No File Uploaded

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

0

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

3.6 - Extension Activities

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

The college organizes a number of extension activities to promote institute neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. Extension Activities aims at enabling our student/volunteers to develop social responsibility, learning by doing and leadership quality. Service attitude is essential for any professional to flourish in his/her job. Our extension activities have multiple dimensions such as National Service Scheme, Red Ribbon Club, and Youth Red Cross, etc. The professional as well as life skill development of engineering graduates is balanced through extension activities. Students go the adopted villages to involve themselves in the field work thereby knowing the real conditions of the villagers.

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

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

75

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

7

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

354

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

252

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)

3

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	No File Uploaded
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.

The Institute provides state of the art infrastructure and facilities for Teaching Learning process. Each department has adequate numbers of classrooms, laboratories, seminar halls, projectors and computer equipment like desktops, printers, photocopy machines, internet connections, Wi-Fi etc. All the classrooms are fitted with latest LCD projector, LAN connection in the computer, Wi-Fi for Students and faculty. We also have a well-equipped computer lab, which are used by the students for lab-based classes. It has Principal room, HOD's Cabin, Faculty Rooms, Controller of Examination Office Principal Office, Reception, Training and placement cell and Account Office, etc.,.

- Controller of examination
- Library
- Transportation
- RO plant
- Wind Mill
- Solar power plant
- Bio gas plant

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

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

The institute has both indoor and outdoor sport facilities. It has an open ground for athletics games, Football, badminton court, volleyball court, basketball court in the campus. Among the indoor games, the students enjoy playing carom, table tennis, etc. Yoga is compulsory for the students in the first semester itself. It has well equipped gym for the students building the body. The institute has state of the art indoor Auditorium in the campus, which is used by the students for organizing different cultural & social activities.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	View File
Paste link for additional information	http://www.egspec.org/sports.php

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

82

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)

107.15

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 plays a central role in enhancing the quality of academic and research environment in educational institutions. Our library contains huge collections of academic books, journals, magazines, research projects, books, other knowledgeable books and newspapers. These books are made available to the students to increase their knowledge and understanding on various subjects. The college library is an important hub of student life. There, student can check out books, conduct their research, find a quiet place to study, and maybe even flip through magazine. The students can extend their search with use of internet, e-books, e-journals etc. made available in the digital library. The Institute library exhibits positive impact on the academic achievement of the student. Students can perform better during examination and placement as students are explored to the knowledge through various means. The library is automated with integrated library management software AUTOLIB SOFTWARE 7.2. The various housekeeping activities of the library such as data entry, issue and return and renewal of books, member logins etc. are done through the software. The reading and reference section is provided with five air conditioners. The Books are classified according to Dewey decimal classification. OPAC (Online public access catalogue) service is also provided where the users can search the collection of books by title, author, publisher etc. The books are being bar coded and the users are given unique barcode ID. The Library is provided with Wi-fi facility.

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

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	View File

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

24.02

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

805

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

4.3 - IT Infrastructure

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

The Information Technology Policy Document is prepared to make all faculty members, students and research scholars of E.G.S. Pillay Engineering College to aware of rules and regulations that govern

their appropriate use of Information technology infrastructure established by the institute. The policy is effective from July, 2013. It is expected that said members strictly adhere to the rules and regulations spelled out in this document. The Management reserves the right to change/modify the policy as and when necessary and apply their discretion in specific cases. Institute network user community needs to observe certain precautions while getting their computers or peripherals installed so that he/she may face minimum inconvenience due to interruption of services due to hardware failures. An individual in whose room the computer is installed and is primarily used by him/her is considered to be "primary" user. If a computer has multiple users, none of whom are considered the "primary" user, the department Head should make an arrangement and make a person responsible for compliance. Apart from the client PCs used by the users, the institute will consider servers not directly administered by ITES, as end-user computers. If no primary user can be identified, the department must assume the responsibilities identified for end-users. Computers purchased by any Department/Cells should preferably be with 1-year on-site comprehensive warranty. After the expiry of warranty, computers would be maintained by ITES or by external Service Engineers on call basis.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3451	750

File Description	Documents
Upload any additional information	No File Uploaded

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	No File Uploaded
Upload any additional information	View File

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	View File
Paste link for additional information	Nil
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)

286.39

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

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

The College has a well-defined policy and system in place for the maintenance and utilization of all its physical and academic facilities. Classrooms are managed with proper systems and procedures as recommended by the management and the university. The classrooms are well equipped with all modern technology like the smart boards, mike systems, and other technologies for better and effective teaching. CCTVs installed in each classroom to make sure of the safety and the security of all students, teachers and

equipment. Stock list of assets of Class room property, cleaning and maintenance are done on a regular basis, Annual Maintenance Contract (AMC) of all the modern teaching technology, proper reporting system about repairs and replacements are the basic attributes of classroom management. General Instructions to students regarding the safe and secure usage while in the laboratory and library are displayed in each lab. Yearly statistics for utilization of library resources helps in collection development policy of the library. Sports committee looks after maintaining the sports ground and sports equipment. Coaches for events where there is good student representation, are appointed with the permission of the management and the principal. AMCs for computers, copier machines, software, CCTV, Fire extinguisher, garden, security are in place. An external housekeeping service looks after cleanliness on the campus.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

1889

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

285

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	Nil
Details of capability development and schemes	View File
Any additional information	View File

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

1023

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 **A. All of the above**

through appropriate committees

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

5.2 - Student Progression**5.2.1 - Number of outgoing students who got placement during the year**

535

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

18

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

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

0

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

32

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 Institution opens its various platforms to students of different departments and different years. The joint efforts of students, faculty, staff and management add momentum to the Institution's growth. The students' representatives are spread across various cells, clubs and committees and work in close association with the Institution association's core and disciplinary committees.

Student involvement in the Department Advisory Committee increases their responsibilities in the developmental measures of the department and that of the Institution. Their participation in Class Committee Meeting, Grievance Redressal Cell, Anti Sexual Harassment, Anti-ragging committees guarantees them viable platforms to address and solve their personal issues amicably. The vibrant student participation in Professional Bodies-ISTE, IEEE, Alumni Association, Training and Placement & Higher Studies empower them to be job-ready through their intensive career development programmes.

Cultural Committee and Sports Committee cater to their personal values like leadership, comradeship, sportsmanship and celebration of togetherness. Training and Placement Cell empowers them on a regular basis to be job-ready through their intensive career

development programmes. The Women Empowerment Cell, YRC, RRC and NSS units inculcate in them social responsibility, ethical values and service in improving the social and economic well-being of the neighboring rural communities. The student members of all these bodies work in collaboration with the respective faculty teams for the holistic health of the academic and the civic community in and around the campus vicinity.

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

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

13

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

E.G.S. Pillay Engineering College and its Alumni association jointly believe in creating and maintaining association with its alumni. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students at the institute. E.G.S. Pillay Engineering College alumni are currently working at various positions all over the globe and proving their mettle in all spheres of management. The purpose of an Alumni association is to foster a spirit of loyalty and to promote the general welfare of organization. Alumni associations exist to support the parent organization's goals, and to strengthen the ties between alumni, the community, and the parent organization. Our Alumni Association works for the overall development of students as well as the institution. It helps our institution in terms of academics, placements of students, career guidance and

technological guidance. It has been duly registered as a Society under the Societies Registration Act. Some of our alumni are industrialists; they share their knowledge and expertise with the students. Provide guidance on job career and technical skills from the experts of various fields to the students. Alumni Association provides information about the job opportunities available in their fields. They impart their experience with students by arranging motivational lectures. The members of the Alumni association contribute in the following manner

- Feedback on curriculum
- Teaching learning process
- Bridging the gap between industry and academia
- Important suggestions about changing trends about business and industry
- Interaction and mentoring the students.

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

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The institution ensures decentralized and participatory governance. It emphasizes on collaborative administration by incorporating all its stakeholders. The Governing Body encourages decentralized, participative and collaborative administration by involving all its stakeholders' active contributions for the development of institution. The management recruits the talents of the teaching and non-teaching staff in taking up various administrative and academic responsibilities and appoints them as officials that include Principal, Director-Academic, Director-

Research, Director-IQAC, Controller of Examinations, Chief Librarian, Heads of various Departments, and Coordinators of different cells. IQAC plays a major role in preparation of strategic plan and its implementation by consolidating the objectives and goals of all the departments. Policies regarding academic, curriculum development, administration, research, finance, infrastructural development, extension, co-curricular and extra-curricular endeavors are perceived, planned and implemented.

The senior faculty members are nominated as members of various academic and administrative bodies such as Governing body, Academic Council, Board of Studies (BOS), Domain Coordinator, and Course Coordinator. Students also take part in the governance of the college through effective representation of various associations, committees and cells. The college organizes seminars, workshops, conferences and interactive forums for the students to enrich their knowledge and skills.

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

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

The institution has various academic and administrative committees to ensure the smooth functioning of the college. The following committees help the institution implement decentralization and participative management effectively.

Governing Body is the apex council in this college to monitor the various institutional activities. It provides the final approval and ratification of all academic and administrative matters. Governing Body is responsible for planning and policy development, institutional budget, academic and research growth of the institute and other societal-outreach activities.

The IQAC is a part of the institution's system and works towards the realization of the goals of quality enhancement and its sustenance. The IQAC ensures the effective implementation of quality initiatives through continuous reviews and periodic meetings.

The decentralization of authority allocated to Principal and all other faculty members, Head of the Department, Research and Development, Training and Placement, various clubs, committees for effective implementation of the strategic plan.

Academic Monitoring Committee focuses on academic calendar, monitoring the syllabus completion, maintenance of course file and improvement of standards of teaching, research and training.

The finance committee reviews the funds received and providing guidance to generate fund through R&D, Consultancy, and other relevant areas to support vision and mission of the institution.

The Board of Studies discusses the regulations, curriculum and the syllabus with the experts, reaching conclusions and forward the report to the Academic Council for further approval.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The institution has developed a Strategic Plan for the successful accomplishment of the Vision and Mission. This Strategic Plan defines the objectives and strategies that will build towards the goals outlined. This plan helps the institution meet out the internal and external environmental requirements. The institution has constituted a committee to establish and implement the Strategic Plan for ten years (2016-2026). The long term goals envisioned in 2016-2026 are

LONG TERM GOALS (2016-2026)

1. To transform as "Global Centre of Academic Excellence"
2. To develop the institution with modern Infrastructure

3. To increase the number of faculty with PhD qualification
4. To motivate students to become entrepreneurs
5. To integrate with Foreign/National institutions research organizations
6. To establish collaborative laboratories with the support of industry
7. Uplift the society through strengthening the Social Activities

Roles and responsibilities of Research Coordinators Committee

The Research Coordinators Committee is constituted with Principal as a Head, Research Director and the Senior faculty members of the institution. The major objectives of the Research Coordinators Committee:

- Encourage faculty to complete Ph.D.
- Encourage faculties and students to collaborate other colleges and industries to carry out innovative research and projects.
- Conduct international conferences/symposia and pre conference workshops to upgrade knowledge.
- Motivating faculty members to publish research papers in SCI/SCIE/ Scopus indexed journals.
- Encourage faculty members to innovate new design and products for patents and copy rights
- Motivate faculty members to get project funding from government and non-government organizations.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
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.

The College supports participative management at various levels. Management representatives involve in enhancing quality and

welfare aspects of the college. Principal drives all the academic and non-academic activities through HODs and faculty members. Administrative and academic committees are formed in which students and faculties play a vital role in decision making process. The management is also open to the ideas and suggestions given by the faculties for implementing the framed policies. HODs have privileges in proposing the budget, framing timetable, subject allocation, assigning department coordinators for various committees, conduction of national/international conferences, organizing seminars and workshops, arranging Industrial visits, In Plant trainings and help in manifesting the vision and mission.

The Principal is the Head of the Institution, who guides, directs, motivates the faculty members through the Head of the Departments. Proper communication channel is ensured to complete the academic work on time.

As an Autonomous institution, the curriculum and the syllabus are proposed for approval in Board of Studies and Academic Council which monitors the implementation of the theory and practical courses, industry related courses and improvise the regulations whenever it is required through amendments.

The institution has a clear service rules and procedures which help the employees to understand the administrative set up.

As per the AICTE/UGC norms the statutory and non-statutory committees are constituted with the suitable faculty as coordinator to operate the committees effectively. Any issues related to the stakeholders of the institution will be resolved by the committee members

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	View File
Paste link for additional Information	Nil

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
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

The college makes arrangements for availing all the government schemes such as employee's provident fund (PF), 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. Seed money is provided for faculties to encourage them to undertake research projects and publishing research papers in reputed journals. 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. Various other training programmes such as writing research paper and proposals for teaching staff to enrich research activity among the faculty to pursue PhD programs, training on computer fundamentals for non-teaching staff, waste management, operating fire extinguisher training for maintenance staff are conducted regularly. Financial support is provided to attend workshops and conferences both at the national and international level. Salary in advance and interest free loan facility is available. Maternity leave is provided with half salary. Medical leave and ESI facility is also available. Incentive is provided for faculties who published their research papers in reputed journals. Financial support is provided to apply patents and copy rights. Seed money is provided to the faculty members to motivate their research thirst.

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

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

133

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

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

17

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

143

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has established a mechanism for conducting internal and external audit every year to ensure financial compliance. Internal audit is conducted on half yearly basis by the internal financial committee. The committee thoroughly verifies the income and expenditure details and the compliance report. 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. All vouchers are audited by an internal financial committee on half yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the Principal. During the internal audit, the accounts are regularized, to obtain confirmation for the credit balances, to collect documentary evidences in respect of payments, compliance of TDS, Statutory Formalities and Reconciliation of unit-wise balances with the Control Accounts and Bank Reconciliations. The accounts of the college are audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit would be attended immediately along with the supporting documents within the prescribed time limits. The institution did not come across with any major audit objection during the preceding years.

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

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

0

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

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

The institution always monitors the effective and efficient use of available financial resources for the infrastructure development to support teaching learning process. Since the college is a self-financed private institution, tuition fee is the main source of income. Along with tuition fee, research grants from various 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 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. All the major financial decisions are taken by the institute's financial committee and governing council. Institute adheres to utilization of budget approved for academic and administrative expenses by management. After final approval of budget the purchasing process is initiated by purchase committee. All transactions have transparency through bills and vouchers. The bill payments are passed after verification of items. Respective faculty member ensures that whether suitable equipment/machinery

with correct specification is purchased. The entire process of the procurement of the material is monitored by the IQAC, purchase committee and principal. Financial audit is conducted by chartered accountant for every financial year to verify the compliance.

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

6.5 - Internal Quality Assurance System

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

Our faculty members published 88 research papers and 29 book chapters in SCI/SCIE/Scopus indexed journals in 2022-23 academic. We offers 5 Ph.D programmes including CIVIL, MECH, CSE, EEE, and ECE. There are totally 82 class rooms (including seminar halls) are enabled with ICT facilities. The entire campus is Wi-Fi enabled with a high speed internet connection (100 mbps) to allow the students to access the internet. The T&P cell conducted several personality and skill development programmes for 914 hours. There are totally 498 students from different departments are benefited through these programmes. The training and placement cell conducted coaching classes like TNPSC, IBPS, GATE, IAS, and other competitive exams. The EDC cell organized many entrepreneurship and start up awareness programmes for all the students. Regular meetings are conducted by IQAC with internal coordinators. There are 3 meetings are conducted in this academic year. Regular HoD meeting with staff members are conducted in each department. There are totally 78 meetings are organized in various departments. Almost all the staff members are benefited by our incentive scheme based upon monthly work completion reports given by the head of the department. Students were placed in various companies through campus drive. In order to enrich the curriculum and syllabi, statutory meetings like Board of Studies are conducted regularly. During this enrichment process, feedback on the curriculum & syllabi from various stakeholders including alumni are obtained through structured feedback forms. Based on the feedback, programme assessment committee will analyze and consolidate the changes required in the courses and syllabi.

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

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 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, guest lecturers, and MOUs, etc.
- Implementation of OBE in each program.
- Conducts soft skill, aptitude, 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.
- Promoting Research and Development activities through Research and Development cell.
- Establishment of various processes to take feedback/surveys from various stakeholders.
- To implement and enhance the use of ICT tools to strengthen the teaching-learning process.
- Establishment of the mentor-mentee process and its effective implementation.
- To institutionalize the best efforts to make the campus ragging-free and develop the discipline in the students along with the establishment of discipline committee and grievance redressal cell.

Other than these initiatives IQAC works on improving the teaching-learning process and supports adopting OBE in all programs of college gradually. The POs, PSOs, and COs prepared by considering Bloom's taxonomy in collaboration with faculty, industry experts, and other stakeholders. The POs, PSOs, and COs attainment is measured every session, for low attained courses, proper action is planned and efforts are made to improve the attainments if required beyond curriculum content and activities planned and implemented, this helps in improving the employability of students and also rewarded with the NBA accreditation.

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

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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", "Internal Complaints Committee" for ensuring the upliftment of the women faculties and students. The Institution has 98 women faculties and 1071 female students. The women empowerment cell functions with a convener and faculty representatives and female student representatives from all the departments of the institute. The Internal Complaints Committee has women presiding officers, female and male faculty members, female student members, NGO member and a lawyer. The Constitution of India is made as an audit course for 2019 regulation students and the course studied by all the students which helps to learn more about women's rights, legal

issues and awareness on any gender discrimination. Women empowerment cell and internal complaint committee jointly organized awareness program on women health, women empowerment and legal support for women. The entire campus is under CCTV camera surveillance. The female students are provided with emergency contact numbers, Mobile apps and complaint boxes are fixed in appropriate places in the campus. All the female students are allotted with a counselor who will take care of the problems and complaints of the students regarding safety, gender inequality issues. Apart from faculty counselor, Institution appointed psychological counselor. She helps students with physical, emotional and mental health issues to improve their sense of well-being, alleviate feelings of distress. Separate waiting rooms are provided for girl students in the campus. The Institution has a day care center for young children of the employee in the campus.

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

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy 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 waste materials. Separate bins are provided in appropriate places such as laboratories, workshops, computer centers, libraries, offices, classrooms, canteens and rest rooms. There is complete ban on one-time plastic usage inside the campus. The institute has signed MoU with Medicare Enviro systems, Sakthi steels, and Ezone Technologies for Bio waste collection, solid waste collection and E-Waste collection, respectively. The

institution has received District Green Champion Award. The award from Government of India/Mahatma Gandhi National Council of Rural Education (MGNCRE) in the presence of The District Collector, Nagapattinam District, Tamil Nadu for the academic year 2020-2021.

The garbage collectors collect the garbage's in appropriate bags, segregates them according to the degradability and sent for waste material management unit. The items that are eligible for reuse are identified and sent for reuse. There is a well-established water recycling plant in the institute which recycles the used water. Biomedical waste is collected separately and disposed as per the guidelines of the government.

The Institution takes care in collection, storage and safe disposal of E waste. The E-Waste from the laboratories and the various departments are handled with care. The Institute signed MoU for collecting the E-Waste that can be recycled. The chemicals used in the laboratories are properly labeled and the expiries of the chemicals are monitored closely. The chemical wastes are disposed based on the chemical waste handling policy.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
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:

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	No File Uploaded
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	View File
Certificates of the awards received	No File Uploaded
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.

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

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

The institution is committed to provide an inclusive environment to all the stakeholders of the organization. Our NSS unit involves in various activities and celebrates the birth anniversaries and memorial days of great leaders of various backgrounds. The Institution promotes value concerns like environmental sustainability where the interest in tree plantation, Clean India campaign and plastic awareness are conducted. Ever year the volunteering team of NSS and staff coordinators organized camp to clean the places like seashore, temple, public areas in villages to show the responsibility in building a clean and sustainable environment. These activities provide a framework to prioritize the values to be cultivated depending on the cultural contexts, needs, resources, background, etc. of the students. The volunteering team of NSS and staff coordinators have contributed food, essential amenities like hand-wash, sanitizer, gadgets, human support, materialistic filling support. The institute provides preference and opportunities to other state and linguistic background students in admissions and other activities

of the colleges such as cultural programs. The institute without any discrimination celebrates and arranges student cultural programs during the festivals of all religions. The institute celebrates Pongal, Women's Day and an Annual event called Aksharam. The institute jointly organized cultural event with Aditya channel last year. NSS Special camp organize every year. During the camp students did many activities include Tree plantation.

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 organized various program to promote the social welfare and wellbeing of the citizens. The students through the NSS camps had participated in cleaning and Sanitization activities in and around campus. The institute adopts Swatch Bharat and supports clean India motive by various programs. The institute is the center for Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Pradhan Mantri Kaushal Kendra (PMKK). By adopting this scheme, the institute offers various skill development trainings and Entrepreneurship development for the rural background students. There is an audit course on the Constitution of India for all students. Professional Ethics and Universal Human Values courses are included in the curriculum to educate the students to resolve the moral issues in their profession. The institute celebrates World environment day by planting trees in the college campus. Students are educated in yoga and meditation which helps to improve their physical and mental health. The institute has organized World yoga day program every year. Every year the world consumer day Programs have also been organized. In the year 2022-2023, the institute received first prize in the Nagapattinam district for conducting more awareness activities. The Consumer club conducts awareness program through competitions like drawing and essay competition for the students. The institute organizes voters day awareness rally program every year. The institute promotes voter's rights through Speech, drawing and Essay competition and Miming. Road safety rules have been educated to students through Road safety awareness program.

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

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

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

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

The organization is committed to honour 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 disorganized with various competitions to the students. The 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	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
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

The mentoring and advising system of our college is a unique approach to help students improve their academic and leadership skills. It supports professional development by discussing career goals with students who recommend appropriate professional development. The primary goal of this mentorship program is to build trusting relationships where teacher mentors interact constructively with students, coaching and mentoring regarding the overall development of their personality. It aims to provide a strong and comprehensive support system through consistent constructive feedback to motivate students to excel in both academic and non-academic areas. Mentoring cum counselling system for students at EGSPEC, emphasizing on holistic development has helped the faculty mentors to build a better rapport with students, instilling confidence in them to take up challenges, overcome obstacles in their academic journey, enhancing their learning capabilities. Timely redressal of issues faced by the students with suitable guidance has shown progress in students' academic and professional development from semester to semester. The care and support shown by mentors to the hostel inmates help them to overcome the adaptability issue and revamp themselves to focus on studies in a very short time.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

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)

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.

E.G.S. Pillay Engineering College 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. Our faculties are 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

1

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

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

611

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

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

82

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

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
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

E.G.S. Pillay Engineering College offers Professional Ethics course for all UG students to impart ethical principles and responsibilities such as characteristics of morals, Honesty, Courage, Valuing Time, Engineering Ethics, safety and responsibility of Engineers, rules and standards followed by the engineers in their roles as professionals and codes of ethics. The institution creates safe, secure and congenial environment for female students as well as staff to progress on equal basis. It has Women Empowerment Cell and Grievance Redressal Cell to counsel students and staff, promote gender equity among students and also handle issues related to safety and security of female students, staff and faculty. These cells organize programmes on woman empowerment, laws for woman, women's day celebration and programmes to increase awareness related to personal hygiene amongst girl child, rights and equality issues of the women. The female students are encouraged to participate on equal basis in curricular and extra-curricular activities. The institute gives importance to environmental sustainability to addresses the related issues. The institute offer ME-Environmental Engineering programme to provide the required skills to our students to handle environmental problems. The curriculum includes courses related to environment such as Principles and Design of Physico-Chemical Treatment Systems, Transport of Water and Waste Water, Air Pollution Monitoring and Control, Industrial Waste Management, Solid and Hazardous Waste Management, Environmental Impact Assessment, etc. to impart environmental education among the students. All the departments offer Environmental Studies as undergraduate course.

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

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

28

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

2950

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

1740

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	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	View File
Any additional information	View File

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	Nil
Any additional information	View File

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

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

978

File Description	Documents
Any additional information	No File Uploaded
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)

684

File Description	Documents
Any additional information	No File Uploaded
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.

E.G.S. Pillay Engineering College 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, STADD PRO, etc.
3. Encouraged to participate in competitions, Smart India Hackathon challenge, coding contests etc.

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 level
2. Remedial classes/extra classes are conducted for slow learners who secured less marks in CAT examinations by subject experts/senior faculty for clarifying their doubts in the specific subjects
3. Special attention/counselling by the counsellors

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

2.2.2 - Student – Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/06/2022	3451	231

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:

Teaching-learning methods adopted by the faculty members include Lecture Method, Interactive Method, Project-based Learning, Computer-assisted Learning, Experiential Learning, etc.

Lecture method is commonly adopted by all teachers. This method facilitates the teacher to interpret, explain and revise the content of a text-only for better understanding of the subject by the learners.

The faculty members make learning interactive with students by motivating student participation in group discussion, role-play, subject quiz, news analysis, discussion, and questions and answers on current affairs. Department conducts add-on programs to support students in their experiential learning. The department implements experiential learning practices to improve creativity and cognitive levels of the students. Industrial Visits to engage them in experiential learning while visiting the organization. Students are motivated to do their major and mini projects by developing their model in the technical fest or project expo.

In participatory learning, students participate in different activities such as seminars, group discussions, poster designing, projects, and skill-based add-on courses. Students are encouraged to participate in activities where they can use their specialized technical or management skills. Department encourages students to acquire and develop problem solving skills. For this, the department organizes expert lectures on different topics, participate in different technical tests and other competitions.

In addition to the traditional teaching-learning methods, the

institute is providing innovative student-centric methods such as Hackathons, Workshops, Seminars, Virtual Lab, Simulation, Roleplay, Review web literature, Video, Demonstration, Activity-based learning, Flipped Classroom, Guest lecture, GD/ debate, e-classroom, project-based learning, mind map, proto-type model, crosswords, and research projects.

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

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

The institute has been applying different ICT tools to procure, disseminate, store, analyse, and store information. Faculties utilize ICT tools in teaching-learning process to support, enhance, and optimize the effectiveness lecture delivery method. Each class room is equipped with LCD projector to enable the faculty to present the course topic as power point presentations and video lectures, motivating the students for active learning. This technology can improve the learning skill of students and encourage participative and experiential learning. ICT enables students to access for different information sources. The institute uses following ICT tools are used to enhance

- Power point presentations: Faculties are encouraged to use PPT in their teaching.
- ICT in seminar halls: The seminar halls are digitally equipped where guest lectures, expert talks and various competitions are regularly organized for students.
- Online quiz: Faculties prepare online quiz for students after the completion of each unit with the help of GOOGLE FORMS.
- Online classes: Students are instructed with the help of Great learning/Zoom/Google meet applications.
- Video lecture: Recording of video lectures is made available to students for long term learning and future referencing.
- Online competitions: Various technical events and management events such as Poster making, Ad-mad show, Project presentations, Business quiz, Debates, paper

presentations etc. are being organized with the help of various Information Communication Tools.

- **Online FDPs/Workshops/Seminars:** Teachers use various ICT tools for conducting workshops on latest methods such as Faculty development programmes, Programming languages, simulations etc.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	Nil
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

215

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 institution prepares the academic calendar every year in advance. The calendar includes the details of all the working days, holidays, dates of the continuous assessment tests, list of academic activities of year and the dates of national as well as religious importance. Academic calendar provides the total effective working days available in a given semester. Then the director and senior colleagues prepare the time table by correlating the working days available and coverage of curriculum of the subjects. Thus, the academic calendar monitors the effective delivery of the program with academic inputs. The academic calendar ensures well-functioning of the Institution. The same is also uploaded on the website. The institution carries out the activities as per the calendar.

The college has a well-defined curriculum with timeframe that

is provided to the students at the beginning of the course. The course teachers prepare unit-wise teaching plan, describing timescale, teaching aids, methods of teaching-learning and assessment of the same. The teaching plan for each course visualizes the plan of the teacher to make each class more informative, interesting, analytical and resourceful. The faculty are encouraged to update the methods of teaching and evaluation, especially of the use of ICT enabled tools and facilities. The course teachers are able to assess the learning ability of the students periodically on the basis of their respective teaching plans. It helps both the teacher and the learners to take part in the teaching and learning process effectively.

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

231

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

79

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)

1447

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

41

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	No File Uploaded
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

52

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

E.G.S. Pillay Engineering College adopts integration of IT in each part of the examinations conduction to systemize and reduce the human efforts. The entire examination processes are automated through ERP software. End semester examination schedules are made available in the website and the same also forwarded to the students through social media like WhatsApp. Question papers are prepared in a password protected document by the senior subject experts from various autonomous institutions through email. Question papers setting is based on Higher Order Thinking Skills with Revised Blooms Taxonomy. Scrutinizing system is followed in order to ensure error-free question papers. Printing of question papers with high-speed printers and make it ready for the next day exams. Evaluated answer scripts are scanned by a high-speed scanner to fetch the marks of each question and the total marks secured by the candidates. Course enrolment is done through ERP software. As per college norms, two continuous assessment test and optional test is conducted for each theory courses. The marks are entered through ERP for internal mark calculation.

File Description	Documents
Upload any additional information	No File Uploaded
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

The college has clearly stated learning outcomes of the Programs and Courses. Every department depending on the program

they are offering has stated the programme specific outcome. The course outcome elaborates on the content of the course and the competencies a learner would acquire after successful completion of the course. Along with the course outcomes the learner outcomes are also described. Whenever the curriculum is revised and depending on the course content the course outcomes are revisited and revised after discussion with the members of the Board of studies and tabled in the Academic council meeting for their due approval. The following mechanism is followed by the institution to communicate the learning outcomes to the teachers and students. The program outcomes have been displayed on the college website. Hard Copy of syllabi and Learning Outcomes are available in the departments for ready reference to the teachers and students. The importance of the learning outcomes has been communicated to the teachers in every IQAC meeting. During the induction program students are made aware about the POs, PSOs and COs which are described and available on the college website. In addition, a hard copy of the same is available with every subject teacher to appraise the students about the expected outcome after completion of the course. The information on PSOs and COs helps students to make a choice on the course that he or she would like to pursue.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	View File
Upload any additional information	View File
Link for additional Information	Nil

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

The institution has developed an efficient mechanism to measure the attainment of the Programme outcomes, Programme specific outcomes and course outcomes and the same are communicated to the students in the formal way of the discussion in the classroom. A well-defined Outcome Based Education Manual has been developed for both Faculties and Students, defining the parameters and procedures for evaluating the assessment on the basis of defined Learning Outcome. Attainment of program outcomes, program specific outcomes and course outcomes are evaluated on the basis of both Continuous Assessment and End Semester Examination. Continuous Assessment and End Semester

examination are designed on the basis of PO, PEO and CO's defined for each course. Mapping of each question (both Continuous assessment and End Semester Examination) is carried out with the specific Course Outcome. Mapping of question is also carried out as per the level of Bloom's Taxonomy to ensure the both Lower Order & Higher order of understanding of the Course by the students. Attainment level of Continuous Assessment and End Semester Examination by each student is then integrated using the defined procedure and formulae to analyse the attainment of the specific Course as per the defined Program Learning Outcome.

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

2.6.3 - Pass Percentage of students

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

644

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	Nil

2.7 - Student Satisfaction Survey

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

<https://coe.egspec.org/index.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

E.G.S. Pillay Engineering College has promoted meaningful scientific and technological Research and Development activities with a vision and mission to pursue and promote Research in Frontier Technologies as well as in the various disciplines of Engineering. Research and Development (R&D) cell provides a platform for creativity and innovation to flourish young minds in Institute. Innovative breakthroughs will happen only because of meticulous efforts of R&D. The Management has instituted a Seed Money Scheme for the promotion of research which encourages multidisciplinary mission-oriented research. For internal funding, an individual faculty should route the proposal through HOD to Principal and then to R&D Cell. The projects are selected based on novelty and usefulness of the theme of the project. The corresponding faculties are provided with the seed money by our Management. RCC takes initiatives in identifying potential researchers and distributes grant as per the policy and procedures. The faculty involved in research and research publications are encouraged with incentives (Seed money, Rs. 25,000 for SCI indexed journal, Rs. 7,500 for Scopus indexed journal, and Rs. 5000 for Book chapters) and their excellent contributions are recognized through, Governing council report and Annual Report. Faculties are also provided fund for attending and presenting research articles in reputed conferences within and outside the country.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	No File Uploaded
Provide URL of policy document on promotion of research uploaded on the website	https://egspec.org/pdf/R&D_POLICY.pdf
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)

4.11

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
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

12

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
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)

5.96

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	No File Uploaded
Any additional information	No File Uploaded

3.2.2 - Number of teachers having research projects during the year

2

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	View File

3.2.3 - Number of teachers recognised as research guides

29

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

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

1

File Description	Documents
Supporting document from Funding Agencies	View File
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

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.

E.G.S. Pillay Engineering College provides a conducive environment for innovations, creations, and transfer of knowledge and incubation. Students are encouraged to actively involve in the application of technology for societal needs. Awareness meets, workshops, seminars, and guest lectures on Entrepreneurship are organized by IQAC, the R&D cell, and the Entrepreneurship development cell. The institution signed MoUs with reputed industries to partner in research projects. The Management has instituted a Seed Money Scheme for the promotion of research which encourages multidisciplinary mission oriented research. IPR Cell is established to provide a platform to share and discuss the latest development and applications with practical exposure and assist faculty members, students, and research scholars in filing patents and copyrights. Product service training is provided for creating awareness of marketing the products. Students are provided with facilities to build prototypes useful for the promotion of agriculture and rural development. The EDC Cell continuously conducts events and awareness workshops for students. Institution Innovation Council (IIC) is established as per the guidelines of 'MoE's Innovation Cell (MIC)' to create a vibrant local innovation ecosystem and start-up supporting mechanism for scouting and pre-incubation of ideas. IIC promotes and supports Research, Innovation, and Entrepreneurship among students and faculty and adds value for both social and economic growth. This cell is actively involved in organizing and conducting seminars, workshops, field trips, project exhibitions, entrepreneurship boot camps, Idea competitions, etc. for its students and faculties.

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

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

16

File Description	Documents
Report of the events	No File Uploaded
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	No File Uploaded

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

8

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

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

88

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

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

29

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

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

2730

File Description	Documents
Any additional information	No File Uploaded
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

27

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)

9.30

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	View File
Any additional information	No File Uploaded

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

0

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

3.6 - Extension Activities

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

The college organizes a number of extension activities to promote institute neighborhood community to sensitize the students towards community needs. The students of our college actively participate in social service activities leading to their overall development. Extension Activities aims at enabling our student/volunteers to develop social responsibility, learning by doing and leadership quality. Service attitude is essential for any professional to flourish in his/her job. Our extension activities have multiple dimensions such as National Service Scheme, Red Ribbon Club, and Youth Red Cross, etc. The professional as well as life skill development of engineering graduates is balanced through extension activities. Students go the adopted villages to involve themselves in the field work thereby knowing the real conditions of the villagers.

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

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

during the year

75

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

7

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

354

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**

252

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)

3

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	No File Uploaded
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.

The Institute provides state of the art infrastructure and facilities for Teaching Learning process. Each department has adequate numbers of classrooms, laboratories, seminar halls, projectors and computer equipment like desktops, printers, photocopy machines, internet connections, Wi-Fi etc. All the classrooms are fitted with latest LCD projector, LAN connection in the computer, Wi-Fi for Students and faculty. We also have a well-equipped computer lab, which are used by the students for lab-based classes. It has Principal room, HOD's Cabin, Faculty Rooms, Controller of Examination Office Principal Office, Reception, Training and placement cell and Account Office, etc.,.

- Controller of examination
- Library
- Transportation
- RO plant
- Wind Mill
- Solar power plant
- Bio gas plant

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

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

The institute has both indoor and outdoor sport facilities. It has an open ground for athletics games, Football, badminton court, volleyball court, basketball court in the campus. Among the indoor games, the students enjoy playing carom, table tennis, etc. Yoga is compulsory for the students in the first semester itself. It has well equipped gym for the students building the body. The institute has state of the art indoor Auditorium in the campus, which is used by the students for organizing different cultural & social activities.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	View File
Paste link for additional information	http://www.egspec.org/sports.php

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

82

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)

107.15

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 plays a central role in enhancing the quality of academic and research environment in educational institutions. Our library contains huge collections of academic books, journals, magazines, research projects, books, other knowledgeable books and newspapers. These books are made available to the students to increase their knowledge and understanding on various subjects. The college library is an important hub of student life. There, student can check out books, conduct their research, find a quiet place to study, and maybe even flip through magazine. The students can extend their search with use of internet, e-books, e-journals etc. made available in the digital library. The Institute library exhibits positive impact on the academic achievement of the student. Students can perform better during examination and placement as students are explored to the knowledge through various means. The library is automated with integrated library management software AUTOLIB SOFTWARE 7.2. The various housekeeping activities of the library such as data entry, issue and return and renewal of books, member logins etc. are done through the software. The reading and reference section is provided with five air conditioners. The Books are classified according to Dewey decimal classification. OPAC (Online public access catalogue) service is also provided where the users can search the collection of books by title, author, publisher etc. The books are being bar coded and the users are given unique barcode ID. The Library is provided with Wi-fi facility.

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

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources	A. Any 4 or more of the above
File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	View File
Upload any additional information	View File
4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)	
24.02	
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	
805	
File Description	Documents
Upload details of library usage by teachers and students	View File
Any additional information	No File Uploaded
4.3 - IT Infrastructure	
4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities	
The Information Technology Policy Document is prepared to make all faculty members, students and research scholars of E.G.S.	

Pillay Engineering College to aware of rules and regulations that govern their appropriate use of Information technology infrastructure established by the institute. The policy is effective from July, 2013. It is expected that said members strictly adhere to the rules and regulations spelled out in this document. The Management reserves the right to change/modify the policy as and when necessary and apply their discretion in specific cases. Institute network user community needs to observe certain precautions while getting their computers or peripherals installed so that he/she may face minimum inconvenience due to interruption of services due to hardware failures. An individual in whose room the computer is installed and is primarily used by him/her is considered to be "primary" user. If a computer has multiple users, none of whom are considered the "primary" user, the department Head should make an arrangement and make a person responsible for compliance. Apart from the client PCs used by the users, the institute will consider servers not directly administered by ITES, as end-user computers. If no primary user can be identified, the department must assume the responsibilities identified for end-users. Computers purchased by any Department/Cells should preferably be with 1-year on-site comprehensive warranty. After the expiry of warranty, computers would be maintained by ITES or by external Service Engineers on call basis.

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

4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3451	750

File Description	Documents
Upload any additional information	No File Uploaded

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus	A. 750 Mbps
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File Description	Documents
Details of bandwidth available in the Institution	No File Uploaded
Upload any additional information	View File

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

A. All four of the above

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

286.39

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

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

The College has a well-defined policy and system in place for the maintenance and utilization of all its physical and academic facilities. Classrooms are managed with proper systems and procedures as recommended by the management and the university. The classrooms are well equipped with all modern technology like the smart boards, mike systems, and other

technologies for better and effective teaching. CCTVs installed in each classroom to make sure of the safety and the security of all students, teachers and equipment. Stock list of assets of Class room property, cleaning and maintenance are done on a regular basis, Annual Maintenance Contract (AMC) of all the modern teaching technology, proper reporting system about repairs and replacements are the basic attributes of classroom management. General Instructions to students regarding the safe and secure usage while in the laboratory and library are displayed in each lab. Yearly statistics for utilization of library resources helps in collection development policy of the library. Sports committee looks after maintaining the sports ground and sports equipment. Coaches for events where there is good student representation, are appointed with the permission of the management and the principal. AMCs for computers, copier machines, software, CCTV, Fire extinguisher, garden, security are in place. An external housekeeping service looks after cleanliness on the campus.

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

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

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

1889

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

285

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	Nil
Details of capability development and schemes	View File
Any additional information	View File

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

1023

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

A. All of the above

through appropriate committees

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

5.2 - Student Progression**5.2.1 - Number of outgoing students who got placement during the year**

535

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

18

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

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

0

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

32

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 Institution opens its various platforms to students of different departments and different years. The joint efforts of students, faculty, staff and management add momentum to the Institution's growth. The students' representatives are spread across various cells, clubs and committees and work in close association with the Institution association's core and disciplinary committees.

Student involvement in the Department Advisory Committee increases their responsibilities in the developmental measures of the department and that of the Institution. Their participation in Class Committee Meeting, Grievance Redressal Cell, Anti Sexual Harassment, Anti-ragging committees guarantees them viable platforms to address and solve their personal issues amicably. The vibrant student participation in Professional Bodies-ISTE, IEEE, Alumni Association, Training and Placement & Higher Studies empower them to be job-ready through their intensive career development programmes.

Cultural Committee and Sports Committee cater to their personal values like leadership, comradeship, sportsmanship and celebration of togetherness. Training and Placement Cell empowers them on a regular basis to be job-ready through their

intensive career development programmes. The Women Empowerment Cell, YRC, RRC and NSS units inculcate in them social responsibility, ethical values and service in improving the social and economic well-being of the neighboring rural communities. The student members of all these bodies work in collaboration with the respective faculty teams for the holistic health of the academic and the civic community in and around the campus vicinity.

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

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

13

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

E.G.S. Pillay Engineering College and its Alumni association jointly believe in creating and maintaining association with its alumni. The Alumni Association provides an interface for establishing a link between the alumni, staff, and students at the institute. E.G.S. Pillay Engineering College alumni are currently working at various positions all over the globe and proving their mettle in all spheres of management. The purpose of an Alumni association is to foster a spirit of loyalty and to promote the general welfare of organization. Alumni associations exist to support the parent organization's goals, and to strengthen the ties between alumni, the community, and the parent organization. Our Alumni Association works for the overall development of students as well as the institution. It

helps our institution in terms of academics, placements of students, career guidance and technological guidance. It has been duly registered as a Society under the Societies Registration Act. Some of our alumni are industrialists; they share their knowledge and expertise with the students. Provide guidance on job career and technical skills from the experts of various fields to the students. Alumni Association provides information about the job opportunities available in their fields. They impart their experience with students by arranging motivational lectures. The members of the Alumni association contribute in the following manner

- Feedback on curriculum
- Teaching learning process
- Bridging the gap between industry and academia
- Important suggestions about changing trends about business and industry
- Interaction and mentoring the students.

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

5.4.2 - Alumni's financial contribution during the year

B. 10 Lakhs - 15 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

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

The institution ensures decentralized and participatory governance. It emphasizes on collaborative administration by incorporating all its stakeholders. The Governing Body encourages decentralized, participative and collaborative administration by involving all its stakeholders' active contributions for the development of institution. The management recruits the talents of the teaching and non-teaching staff in

taking up various administrative and academic responsibilities and appoints them as officials that include Principal, Director-Academic, Director-Research, Director-IQAC, Controller of Examinations, Chief Librarian, Heads of various Departments, and Coordinators of different cells. IQAC plays a major role in preparation of strategic plan and its implementation by consolidating the objectives and goals of all the departments. Policies regarding academic, curriculum development, administration, research, finance, infrastructural development, extension, co-curricular and extra-curricular endeavors are perceived, planned and implemented.

The senior faculty members are nominated as members of various academic and administrative bodies such as Governing body, Academic Council, Board of Studies (BOS), Domain Coordinator, and Course Coordinator. Students also take part in the governance of the college through effective representation of various associations, committees and cells. The college organizes seminars, workshops, conferences and interactive forums for the students to enrich their knowledge and skills.

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

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

The institution has various academic and administrative committees to ensure the smooth functioning of the college. The following committees help the institution implement decentralization and participative management effectively.

Governing Body is the apex council in this college to monitor the various institutional activities. It provides the final approval and ratification of all academic and administrative matters. Governing Body is responsible for planning and policy development, institutional budget, academic and research growth of the institute and other societal-outreach activities.

The IQAC is a part of the institution's system and works towards the realization of the goals of quality enhancement and its sustenance. The IQAC ensures the effective implementation

of quality initiatives through continuous reviews and periodic meetings.

The decentralization of authority allocated to Principal and all other faculty members, Head of the Department, Research and Development, Training and Placement, various clubs, committees for effective implementation of the strategic plan.

Academic Monitoring Committee focuses on academic calendar, monitoring the syllabus completion, maintenance of course file and improvement of standards of teaching, research and training.

The finance committee reviews the funds received and providing guidance to generate fund through R&D, Consultancy, and other relevant areas to support vision and mission of the institution.

The Board of Studies discusses the regulations, curriculum and the syllabus with the experts, reaching conclusions and forward the report to the Academic Council for further approval.

File Description	Documents
Upload strategic plan and deployment documents on the website	View File
Upload any additional information	View File
Paste link for additional Information	Nil

6.2 - Strategy Development and Deployment

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

The institution has developed a Strategic Plan for the successful accomplishment of the Vision and Mission. This Strategic Plan defines the objectives and strategies that will build towards the goals outlined. This plan helps the institution meet out the internal and external environmental requirements. The institution has constituted a committee to establish and implement the Strategic Plan for ten years (2016-2026). The long term goals envisioned in 2016-2026 are

LONG TERM GOALS (2016-2026)

1. To transform as "Global Centre of Academic Excellence"
2. To develop the institution with modern Infrastructure
3. To increase the number of faculty with PhD qualification
4. To motivate students to become entrepreneurs
5. To integrate with Foreign/National institutions research organizations
6. To establish collaborative laboratories with the support of industry
7. Uplift the society through strengthening the Social Activities

Roles and responsibilities of Research Coordinators Committee

The Research Coordinators Committee is constituted with Principal as a Head, Research Director and the Senior faculty members of the institution. The major objectives of the Research Coordinators Committee:

- Encourage faculty to complete Ph.D.
- Encourage faculties and students to collaborate other colleges and industries to carry out innovative research and projects.
- Conduct international conferences/symposia and pre conference workshops to upgrade knowledge.
- Motivating faculty members to publish research papers in SCI/SCIE/ Scopus indexed journals.
- Encourage faculty members to innovate new design and products for patents and copy rights
- Motivate faculty members to get project funding from government and non-government organizations.

File Description	Documents
Strategic Plan and deployment documents on the website	View File
Paste link for additional information	Nil
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.

The College supports participative management at various levels. Management representatives involve in enhancing quality and welfare aspects of the college. Principal drives all the academic and non-academic activities through HODs and faculty members. Administrative and academic committees are formed in which students and faculties play a vital role in decision making process. The management is also open to the ideas and suggestions given by the faculties for implementing the framed policies. HODs have privileges in proposing the budget, framing timetable, subject allocation, assigning department coordinators for various committees, conduction of national/international conferences, organizing seminars and workshops, arranging Industrial visits, In Plant trainings and help in manifesting the vision and mission.

The Principal is the Head of the Institution, who guides, directs, motivates the faculty members through the Head of the Departments. Proper communication channel is ensured to complete the academic work on time.

As an Autonomous institution, the curriculum and the syllabus are proposed for approval in Board of Studies and Academic Council which monitors the implementation of the theory and practical courses, industry related courses and improvise the regulations whenever it is required through amendments.

The institution has a clear service rules and procedures which help the employees to understand the administrative set up.

As per the AICTE/UGC norms the statutory and non-statutory committees are constituted with the suitable faculty as coordinator to operate the committees effectively. Any issues related to the stakeholders of the institution will be resolved

by the committee members

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	View File
Paste link for additional Information	Nil

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	View File
Screen shots of user interfaces	View File
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

The college makes arrangements for availing all the government schemes such as employee's provident fund (PF), 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. Seed money is provided for faculties to encourage them to undertake research projects and publishing research papers in reputed journals. 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. Various other training programmes such as writing research paper and proposals for teaching staff to enrich research activity among the faculty to pursue PhD programs, training on computer fundamentals for non-teaching staff, waste management, operating fire extinguisher training for maintenance staff are conducted regularly. Financial support is provided to attend workshops and conferences both at the national and international level. Salary in advance and interest free loan facility is available. Maternity leave is provided with half salary. Medical leave and ESI facility is also available. Incentive is provided for faculties who published their research papers in reputed journals. Financial support is provided to apply patents and copy rights. Seed money is provided to the faculty members to motivate their research thirst.

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

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

133

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

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

17

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	View File
Upload any additional information	No File Uploaded

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.)

143

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

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

The Institution has established a mechanism for conducting internal and external audit every year to ensure financial compliance. Internal audit is conducted on half yearly basis by the internal financial committee. The committee thoroughly verifies the income and expenditure details and the compliance report. 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. All vouchers are audited by an internal financial committee on half yearly basis. The expenses incurred under different heads are thoroughly checked by verifying the bills and vouchers. If any discrepancy is found, the same is brought to the notice of the Principal. During the internal audit, the accounts are regularized, to obtain confirmation for the credit balances, to collect documentary evidences in respect of payments,

compliance of TDS, Statutory Formalities and Reconciliation of unit-wise balances with the Control Accounts and Bank Reconciliations. The accounts of the college are audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit would be attended immediately along with the supporting documents within the prescribed time limits. The institution did not come across with any major audit objection during the preceding years.

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

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

0

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

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

The institution always monitors the effective and efficient use of available financial resources for the infrastructure development to support teaching learning process. Since the college is a self-financed private institution, tuition fee is the main source of income. Along with tuition fee, research grants from various 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 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. All the major financial decisions are taken by the institute's financial committee and governing council. Institute adheres to utilization of budget approved for academic and administrative expenses by management. After final approval of budget the purchasing process is initiated by purchase committee. All transactions have transparency through bills and vouchers. The bill payments are passed after verification of items. Respective faculty member ensures that whether suitable equipment/machinery with correct specification is purchased. The entire process of the procurement of the material is monitored by the IQAC, purchase committee and principal. Financial audit is conducted by chartered accountant for every financial year to verify the compliance.

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

6.5 - Internal Quality Assurance System

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

Our faculty members published 88 research papers and 29 book chapters in SCI/SCIE/Scopus indexed journals in 2022-23 academic. We offers 5 Ph.D programmes including CIVIL, MECH, CSE, EEE, and ECE. There are totally 82 class rooms (including seminar halls) are enabled with ICT facilities. The entire campus is Wi-Fi enabled with a high speed internet connection (100 mbps) to allow the students to access the internet. The T&P cell conducted several personality and skill development programmes for 914 hours. There are totally 498 students from different departments are benefited through these programmes. The training and placement cell conducted coaching classes like TNPSC, IBPS, GATE, IAS, and other competitive exams. The EDC cell organized many entrepreneurship and start up awareness programmes for all the students. Regular meetings are conducted

by IQAC with internal coordinators. There are 3 meetings are conducted in this academic year. Regular HoD meeting with staff members are conducted in each department. There are totally 78 meetings are organized in various departments. Almost all the staff members are benefited by our incentive scheme based upon monthly work completion reports given by the head of the department. Students were placed in various companies through campus drive. In order to enrich the curriculum and syllabi, statutory meetings like Board of Studies are conducted regularly. During this enrichment process, feedback on the curriculum & syllabi from various stakeholders including alumni are obtained through structured feedback forms. Based on the feedback, programme assessment committee will analyze and consolidate the changes required in the courses and syllabi.

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

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 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, guest lecturers, and MOUs, etc.
- Implementation of OBE in each program.
- Conducts soft skill, aptitude, 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.
- Promoting Research and Development activities through Research and Development cell.
- Establishment of various processes to take feedback/surveys from various stakeholders.
- To implement and enhance the use of ICT tools to strengthen the teaching-learning process.
- Establishment of the mentor-mentee process and its effective implementation.

- To institutionalize the best efforts to make the campus ragging-free and develop the discipline in the students along with the establishment of discipline committee and grievance redressal cell.

Other than these initiatives IQAC works on improving the teaching-learning process and supports adopting OBE in all programs of college gradually. The POs, PSOs, and COs prepared by considering Bloom's taxonomy in collaboration with faculty, industry experts, and other stakeholders. The POs, PSOs, and COs attainment is measured every session, for low attained courses, proper action is planned and efforts are made to improve the attainments if required beyond curriculum content and activities planned and implemented, this helps in improving the employability of students and also rewarded with the NBA accreditation.

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

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

A. Any 4 or all of the above

File Description	Documents
Paste the web link of annual reports of the Institution	Nil
Upload e-copies of accreditations and certification	View File
Upload details of quality assurance initiatives of the institution	View File
Upload any additional information	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", "Internal Complaints Committee" for ensuring the upliftment of the women faculties and students. The Institution has 98 women faculties and 1071 female students. The women empowerment cell functions with a convener and faculty representatives and female student representatives from all the departments of the institute. The Internal Complaints Committee has women presiding officers, female and male faculty members, female student members, NGO member and a lawyer. The Constitution of India is made as an audit course for 2019 regulation students and the course studied by all the students which helps to learn more about women's rights, legal issues and awareness on any gender discrimination. Women empowerment cell and internal complaint committee jointly organized awareness program on women health, women empowerment and legal support for women. The entire campus is under CCTV camera surveillance. The female students are provided with emergency contact numbers, Mobile apps and complaint boxes are fixed in appropriate places in the campus. All the female students are allotted with a counselor who will take care of the problems and complaints of the students regarding safety, gender inequality issues. Apart from faculty counselor, Institution appointed psychological counselor. She helps students with physical, emotional and mental health issues to improve their sense of well-being, alleviate feelings of distress. Separate waiting rooms are provided for girl students in the campus. The Institution has a day care center for young children of the employee in the campus.

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

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

A. Any 4 or All of the above

power-efficient equipment

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

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

The institute is having well established policy and procedure for managing waste materials. Separate bins are provided in appropriate places such as laboratories, workshops, computer centers, libraries, offices, classrooms, canteens and rest rooms. There is complete ban on one-time plastic usage inside the campus. The institute has signed MoU with Medicare Enviro systems, Sakthi steels, and Ezone Technologies for Bio waste collection, solid waste collection and E-Waste collection, respectively. The institution has received District Green Champion Award. The award from Government of India/Mahatma Gandhi National Council of Rural Education (MGNCRE) in the presence of The District Collector, Nagapattinam District, Tamil Nadu for the academic year 2020-2021.

The garbage collectors collect the garbage's in appropriate bags, segregates them according to the degradability and sent for waste material management unit. The items that are eligible for reuse are identified and sent for reuse. There is a well-established water recycling plant in the institute which recycles the used water. Biomedical waste is collected separately and disposed as per the guidelines of the government.

The Institution takes care in collection, storage and safe disposal of E waste. The EWaste from the laboratories and the various departments are handled with care. The Institute signed MoU for collecting the E-Waste that can be recycled. The chemicals used in the laboratories are properly labeled and the expiries of the chemicals are monitored closely. The chemical wastes are disposed based on the chemical waste handling policy.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
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	No File Uploaded
Any other relevant documents	No File Uploaded

7.1.6 - Quality audits on environment and energy undertaken by the institution	
<p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities 	<p>A. Any 4 or all of the above</p>
File Description	Documents
<p>Reports on environment and energy audits submitted by the auditing agency</p>	<p>View File</p>
<p>Certification by the auditing agency</p>	<p>View File</p>
<p>Certificates of the awards received</p>	<p>No File Uploaded</p>
<p>Any other relevant information</p>	<p>No File Uploaded</p>
<p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p>	<p>A. Any 4 or all of the above</p>

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

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

The institution is committed to provide an inclusive environment to all the stakeholders of the organization. Our NSS unit involves in various activities and celebrates the birth anniversaries and memorial days of great leaders of various backgrounds. The Institution promotes value concerns like environmental sustainability where the interest in tree plantation, Clean India campaign and plastic awareness are conducted. Ever year the volunteering team of NSS and staff coordinators organized camp to clean the places like seashore, temple, public areas in villages to show the responsibility in building a clean and sustainable environment. These activities provide a framework to prioritize the values to be cultivated depending on the cultural contexts, needs, resources, background, etc. of the students. The volunteering team of NSS and staff coordinators have contributed food, essential amenities like hand-wash, sanitizer, gadgets, human support, materialistic filling support. The institute provides preference and opportunities to other state and linguistic background students in admissions and other activities of the colleges such as cultural programs. The institute without any discrimination celebrates and arranges student cultural programs during the festivals of all religions. The institute celebrates Pongal, Women's Day and an Annual event called Aksharam. The institute jointly organized cultural event with Aditya channel last year. NSS Special camp organize every year. During the camp students did many activities include Tree plantation.

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:	
<p>The institute organized various program to promote the social welfare and wellbeing of the citizens. The students through the NSS camps had participated in cleaning and Sanitization activities in and around campus. The institute adopts Swatch Bharat and supports clean India motive by various programs. The institute is the center for Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Pradhan Mantri Kaushal Kendra (PMKK). By adopting this scheme, the institute offers various skill development trainings and Entrepreneurship development for the rural background students. There is an audit course on the Constitution of India for all students. Professional Ethics and Universal Human Values courses are included in the curriculum to educate the students to resolve the moral issues in their profession. The institute celebrates World environment day by planting trees in the college campus. Students are educated in yoga and meditation which helps to improve their physical and mental health. The institute has organized World yoga day program every year. Every year the world consumer day Programs have also been organized. In the year 2022-2023, the institute received first prize in the Nagapattinam district for conducting more awareness activities. The Consumer club conducts awareness program through competitions like drawing and essay competition for the students. The institute organizes voters day awareness rally program every year. The institute promotes voter's rights through Speech, drawing and Essay competition and Miming. Road safety rules have been educated to students through Road safety awareness program.</p>	
File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

<p>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</p>	<p>A. All of the above</p>
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File Description	Documents
Code of Ethics - policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	View File
Any other relevant information	No File Uploaded

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

The organization is committed to honour 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 disorganized with various competitions to the students. The 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	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
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

The mentoring and advising system of our college is a unique approach to help students improve their academic and leadership skills. It supports professional development by discussing career goals with students who recommend appropriate professional development. The primary goal of this mentorship program is to build trusting relationships where teacher mentors interact constructively with students, coaching and mentoring regarding the overall development of their personality. It aims to provide a strong and comprehensive support system through consistent constructive feedback to motivate students to excel in both academic and non-academic areas. Mentoring cum counselling system for students at EGSPEC, emphasizing on holistic development has helped the faculty mentors to build a better rapport with students, instilling confidence in them to take up challenges, overcome obstacles in their academic journey, enhancing their learning capabilities. Timely redressal of issues faced by the students with suitable guidance has shown progress in students' academic and professional development from semester to semester. The care and support shown by mentors to the hostel inmates help them to overcome the adaptability issue and revamp themselves to focus on studies in a very short time.

File Description	Documents
Best practices in the Institutional website	Nil
Any other relevant information	Nil

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)

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	Nil
Any other relevant information	No File Uploaded

7.3.2 - Plan of action for the next academic year

- Updating the laboratory facilities on demand basis.
- Ensuring the availability of e-resources to the students for research and academic purpose.
- Upgrade the internet bandwidth for increased usage of e-resources including hostel requirements.
- Motivating faculty members to publish more number of research papers in SCI indexed journals.
- Concentrating on external funded research projects with international collaborations.
- Encouraging Industry sponsored R&D projects.
- Developing Consultancy projects.
- Create Incubation Centre and encourage faculty members to

innovate new design and products for patent.

- Support of patent publication and commercialization
- Enhancing the number of MOUs with Industry and revisiting the existing MOUs based on its merits.
- Increasing the connect with the Industry through guest and expert lectures