



Yearly Status Report - 2018-2019

Part A

Data of the Institution

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 own campus	Yes
Phone no/Alternate Phone no.	04365251112
Mobile no.	7373067032
Registered Email	mchinna81@gmail.com
Alternate Email	principal@egspec.org
Address	Nagore Main Road, Thethi, Nagore Post, Nagapattinam Dt.
City/Town	Nagapattinam
State/UT	Tamil Nadu
Pincode	611002

2. Institutional Status					
Autonomous Status (Provide date of Conformant of Autonomous Status)		28-Feb-2017			
Type of Institution		Co-education			
Location		Rural			
Financial Status		Self financed			
Name of the IQAC co-ordinator/Director		Dr. M. Chinnadurai			
Phone no/Alternate Phone no.		04365251114			
Mobile no.		9965528581			
Registered Email		mchinnadurai@egspec.org			
Alternate Email		iqac@egspec.org			
3. Website Address					
Web-link of the AQAR: (Previous Academic Year)		http://www.egspec.org/pdf/EGSPEC_AOAR_2017_18.pdf			
4. Whether Academic Calendar prepared during the year		Yes			
if yes,whether it is uploaded in the institutional website: Weblink :		http://coe.egspec.org/index.php?pages=academic_schedule			
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.02	2016	16-Mar-2016	31-Dec-2022
6. Date of Establishment of IQAC			01-Jul-2015		
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC	Date & Duration		Number of participants/ beneficiaries		

Motivating all the faculty members to publish research articles in Scopus, UGC and web of science journals	28-Jun-2019 1	245
Regular meeting of Internal Quality Assurance Cell	04-Feb-2019 1	21
Regular meeting of Internal Quality Assurance Cell	03-Jul-2018 1	20
A Two-Day Workshop on Improving Quality through attainment of Learning Outcomes	02-Feb-2019 2	200
Developing Roadmap for the academic year 2018-2019	05-Jul-2018 1	23
View File		

8. Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
E.G.S. Pillay Engineering College	Industry Sponsored Projects	ONGC	2018 2	43500
E.G.S. Pillay Engineering College	Student Research Projects	The Institution of Engineers (India), Kolkata	2018 150	10000
E.G.S. Pillay Engineering College	Minor projects	CSIR	2018 2	25000
E.G.S. Pillay Engineering College	Minor projects	Indian Society for Technical Education (ISTE) with AICTE	2018 6	300000
E.G.S. Pillay Engineering College	Student Research Projects	TNSCST	2018 180	66300
E.G.S. Pillay Engineering College	Others	TNSCST-DIT	2018 180	50000
E.G.S. Pillay Engineering College	Industry Sponsored Projects	CADD	2018 1	4000
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9. Whether composition of IQAC as per latest NAAC guidelines:	Yes
Upload latest notification of formation of IQAC	View File
10. Number of IQAC meetings held during the year :	4
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	Yes
Upload the minutes of meeting and action taken report	View File
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	No

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

Our IQAC cell contributes in framing Quality Assurance (QA) processes and strategies. It prepares QA manual with the details of Plans of the Institute, Policies, Procedures and remedial actions in the aim of fulfilling all stake holders' expectations. It monitors and implements the QA system through systematic strategies and continuous monitoring. It conducts periodical audits and advice the remedial measures to be taken. It regularly conducts various programs and activities to various stake holders namely (a) Refresher programme for I year students, (b) Parents meeting, (c) NBA, NAAC and NIRF awareness programs, (d) Internal IQAC audits, (e) ISO internal and external audits, (f) Management Representative (MR) meeting, (g) Stake holders meeting for framing Regulation, Curriculum and Syllabus, (h) Alumni meeting, (i) FDP on Outcome Based Education (OBE), etc.

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

Plan of Action	Achivements/Outcomes
Conduction of Academic council meeting, BOS meetings, DAAC meetings, faculties meetings, HoDs meetings, etc	Academic council meeting, BOS meetings, DAAC meetings, faculties meetings, HoDs meetings are conducted regularly
Motivating students to participate in other colleges' curricular, cocurricular and extracurricular activities	Our students participated in various International/national level competitions
Motivating students for higher studies	Awareness program on Engineering Placement and Competitive exam is conducted. 18 students from different departments are qualified in various

	exams including GATE, CAT, GRE, TOFEL, etc.
Preparation and updating the quality manual, Scheduling and conduction of ISO internal and external audits, Coordination with external agency and the management	Quality manual is prepared. Internal and external ISO audits are conducted.
Collection of feedback from parents, students, alumni, employer, staffs and others through prescribed forms and emedia	Feedbacks are collected from students. Parents, Alumini,
Providing all facilities for effective implementation of OBE and benefits of all stake holders	All facilities provided for effective implementation of OBE is ensured
Framing quality aims and targets, QA manual preparation, Discussion with various stake holders	Quality aims and targets are framed and QA manual is prepared
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14. Whether AQAR was placed before statutory body ?	Yes
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Name of Statutory Body	Meeting Date
Governing Body Meeting	18-Nov-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
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Date of Visit	28-Mar-2019
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16. Whether institutional data submitted to AISHE:	Yes
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Year of Submission	2019
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Date of Submission	07-Jan-2019
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17. Does the Institution have Management Information System ?	Yes
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If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)	The management information system used in E.G.S. Pillay Engineering is called Campus Management System (CMS). CMS is fully automated software used to maintain a complete record of teaching learning process and student activities in both academic and nonacademic contexts. It maintains all details related to students, faculties and
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nonteaching staffs including their personal information, daily attendance, results of internal assessment marks and university results, mentoring report, curricular and extracurricular achievements, etc. The reports can be viewed by individual faculty members, tutor, head of departments, principal as well as secretary with their own login id.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	104	Computer Science and Engineering	21/04/2018
BE	105	Electrical and Electronics Engineering	05/11/2019
BE	106	Electronics and Communication Engineering	21/04/2018
BTech	205	Information Technology	21/04/2018
BE	144	Mechanical Engineering	05/12/2019
BE	103	Civil Engineering	20/05/2019
ME	416	Environmental Engineering	20/05/2019

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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Computer Science and Engineering	27/06/2018	1702CS551-Computer Graphics and Multimedia Lab	08/07/2017
BE	Civil Engineering	01/06/2011	1702CE551-Computer aided building drafting lab	27/06/2018
BE	Electronics and Communication Engineering	08/02/2004	1704GE451-Life Skills: Verbal Ability	08/07/2017

BE	Electrical and Electronics Engineering	18/06/2000	1704EE353-Tec hnical seminar- I	07/08/2017
MCA	Computer Applications	02/06/2001	1704CA108 Life Skill I - Business English	09/07/2017
MBA	Business Administration	06/02/2001	1704BA107-Man agerial Communication I	16/07/2017
BTech	Information Technology	18/06/2000	1704GE351 - Life Skills: Soft Skills	27/06/2018
BE	Mechanical Engineering	30/04/1995	1704ME353-Tec hnical Seminar I	20/04/2018

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Biomedical Engineering	20/05/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Computer Science and Engineering	27/06/2018
BE	Electrical and Electronics Engineering	27/06/2018
ME	Power Electronics and Drives	27/06/2018
BTech	Information Technology	27/06/2018
ME	Computer Science and Engineering	29/08/2018
BE	Electronics and Communication Engineering	27/06/2018
MCA	Computer Applications	27/06/2018
BE	Mechanical Engineering	27/06/2018
BE	Civil Engineering	27/06/2018
ME	Environmental Engineering	29/08/2018
ME	Communication Systems	29/08/2018
ME	Manufacturing Engineering	29/08/2018
MBA	Business Administration	27/06/2018

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Construction management	15/06/2018	116
Modern surveying using total station	22/06/2018	84
Soft skill training	15/07/2018	121
Soft skill training	01/06/2018	97
Entrepreneurship awareness programme	27/07/2018	8
Introduction to VERILOG	21/01/2019	96
Embedded system design using Arduino	08/07/2019	59
Oracle PL/SQL	01/11/2018	60
Oracle Java	28/03/2019	60
Level II NDT Techniques in radiography technology	28/12/2018	136
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Civil Engineering	111
BE	Computer Science and Engineering	97
BE	Electronics and Communication Engineering	8
BE	Electronics and Communication Engineering	3
BE	Electronics and Communication Engineering	103
BE	Electrical and Electronics Engineering	2
BE	Electrical and Electronics Engineering	56
BTech	Information Technology	4
BTech	Information Technology	4
BTech	Information Technology	36
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes

Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution?
(maximum 500 words)

Feedback Obtained

Periodical feedback is collected from the stakeholders to provide vital inputs to the organization to initiate quality sustenance and quality enhancement measures. The institute follows a well-defined and formal mechanism to obtain feedback from students, faculty members, alumni, employers, and parents for continuous improvements of all programmes. The student's feedback is collected twice in a year regarding academic proceedings, curriculum, faculty, general requirements, laboratories and opportunities for personal and professional growth. Student feedback is vital to ensure the smooth conduct of the courses. It helps us bridge the gap between current teaching methodology followed by faculty members and students' expectation. End semester feedback is received before the last working day of the respective semester which helps us ensure the attainment expectations of students. Course end survey has also been obtained to assess the level of attaining course outcomes. Department meetings are organized regularly to assess the extant teaching and learning process and bridge any gaps existing in the established process. The significance of a specific course to academic, industrial and societal needs is also taken into account while obtaining feedback from the faculties. Adequacy of time is ensured for covering a course successfully under theory and practical modes. Correctness of course content is ensured to attain the course outcomes. Also, the faculty members are encouraged to undergo industrial trainings to enhance their knowledge practically. Alumnus of the institute working in the leading industry is identified and involved as a member of Board of Studies. Feedback from the alumnus is profoundly considered to improve the syllabus content. It helps us recognize the gap and improve the syllabus in a continuous manner. Also, alumni interaction is arranged to present the current industrial practices and skills which are considered as vital to get placements. Industry professionals are included as the members of Board of Studies. The syllabus framed by the respective faculty members are reviewed by the team of experts during Board of Studies meeting so as to ensure the updating of contents in the syllabus consistent with industry demands. Moreover, feedback is obtained from the companies periodically where our alumni are hired. The feedback from the employer about the performance of the placed students is analyzed and placement training programmes are planned accordingly to meet the industrial needs. Parents' meeting is organized by the department once in a semester to explain the performance of their wards. It helps us convey the strength and weakness of students during their course of study. Similarly, the parents are called by the department on need basis to have close follow up and advise the students to improve their performance in continuous assessment tests, attendance and discipline. Feedback from the parents helps us improve the process.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
ME	Manufacturing Engineering	18	11	11
ME	Computer Science and	18	17	17

	Engineering			
MBA	Business Administration	120	75	70
MCA	Computer Applications	60	80	68
BE	Computer Science and Engineering	120	120	86
BE	Mechanical Engineering	120	125	112
BE	Electrical and Electronics Engineering	60	80	58
BE	Electronics and Communication Engineering	120	125	69
BTech	Information Technology	60	75	66
BE	Civil Engineering	120	110	70
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2362	790	183	38	24

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
245	245	7	57	2	6

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Our effective mentoring system is intended to provide academic and personal guidance to the student community through the faculty members. Each faculty is allocated with maximum of 20 students as their ward. The faculties help students, at various stages of their careers, learn, grow and excel in their fields. They advise students in course registration, monitor attendance and progress of their ward, and council them periodically. If necessary, they may also discuss with or inform the parents about the progress of the students through the concerned Head of the department. Mentors shall maintain an e-Record of each of his/her wards, which contain

information about the students' attendance, grades obtained in the end semester examinations, continuous assessment tests, achievements if any in curricular, co-curricular and extra-curricular activities, medical history and disciplinary proceedings if any, taken against the student. They should also pay attention to monitor their progress and attainments in the college are duly entered in the record sheet. Mentors are requested to provide moral support to their wards and focusing on their personal and professional betterment as well as future prospective.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
3152	245	1:13

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
245	235	10	10	42

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	S.Manikandan	Assistant Professor	ICT Academy Best Practices
2018	S.Manikandan	Assistant Professor	TNSCST Travel Grant
2018	K. Raju	Assistant Professor	TNSCST Travel Grant
2018	Dr.J.Vanitha	Associate Professor	Elite, NPTEL
2018	Dr.P.Arunkumar	Assistant Professor	Elite,NPTEL
2018	S. Senthilkumar	Assistant Professor	Elite plus silver, NPTEL
2018	S. Senthilkumar	Assistant Professor	Elite, NPTEL
2018	S. Aadhirai	Assistant Professor	Elite, NPTEL
2018	N.Ramanujam	Assistant Professor	Successful, NPTEL
2018	S.Krishnamohan	Assistant Professor	Elite, NPTEL

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end
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				examination
BE	CIVIL/103	III/II	23/11/2018	12/12/2018
BE	CIVIL/103	VI/III, VIII/IV	13/04/2019	23/06/2019
BE	CSE/104	III/II	23/11/2018	12/12/2018
BE	CSE/104	V/III, VII/IV	29/11/2018	18/01/2019
BE	CSE/104	IV/II	26/04/2019	05/06/2019
BE	CSE/104	VI/III	04/05/2019	23/06/2019
BE	CSE/104	VIII/IV	29/04/2019	23/06/2019
BE	ECE/106	III/II	23/11/2018	12/12/2018
BE	ECE/106	V/III	29/11/2018	17/01/2019
BE	ECE/106	VII/IV	27/11/2018	17/01/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
893	3152	28.33

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://coe.egspec.org

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
403	ME	Communication Systems	13	13	100
405	ME	Computer science and Engineering	15	14	93
631	MBA	Business Administration	88	73	83
621	MCA	Computer Applications	57	51	89
114	BE	Mechanical Engineering	136	104	76
205	BTech	Information Technology	38	33	87
106	BE	Electronics and Communic	111	91	82

		ation Engineering			
105	BE	Electrical and Electronics Engineering	58	49	84
104	BE	Computer science and Engineering	95	79	83
103	BE	Civil Engineering	103	82	80
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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://www.egspec.org/Student-satisfaction-survey-2018-2019.pdf>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Mr. S. Manikandan, Assistant Professor, Information Technology
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Mr. S. Manikandan, Assistant Professor/IT	Travel Grant from TNSCST for International Conference at South Eastern University of Sri Lanka	28/05/2019	TNSCST
International	Mr. K. Raju, Assistant Professor/IT	Travel Grant from TNSCST for International Conference at South Eastern University of Sri Lanka	28/05/2019	TNSCST
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3.2 – Resource Mobilization for Research

3.2.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Industry sponsored Projects	1	CADD	4000	4000
Any Other (Specify)	180	TNSCST-DIT	50000	50000
Students Research Projects (Other than compulsory by the University)	150	The insitution of engineering, (India)kolkota	10000	10000
Students Research Projects (Other than compulsory by the University)	180	TNSCST	66300	66300
Major Projects	730	AICTE – MODROBS	800000	800000
Major Projects	1095	DST SERB ECRA	2862350	2862350
Industry sponsored Projects	2	ONGC	43500	43500
Minor Projects	2	CSIR	25000	25000
Minor Projects	6	Indian Society for Technical Education (ISTE)	300000	300000
Any Other (Specify)	2	The Institution of Engineers (India), Kolkata	20000	20000

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

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3.3 – Innovation Ecosystem

3.3.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
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Entrepreneurship awareness camp	MCA,CSE, EEE, MECH,ECE,IT, CIVIL,MBA	18/09/2018
International conference on research and development in engineering, technology, management, science and its applications [ICRDETMSA] 2019	MCA,CSE, EEE, MECH,ECE,IT, CIVIL,MBA	29/03/2019
Seminar-Recent research perspective in engineering	ECE	12/05/2019
Start-up awareness programme	MCA,CSE, EEE, MECH,ECE,IT, CIVIL,MBA	27/07/2018
Entrepreneurship awareness programme	CSE	27/07/2018
Guest lecture on Prestressed Concrete Structures and Foundation Engineering Concepts in Construction	CIVIL	19/09/2018
Cook-chill technology for fisher product	MBA	18/07/2018
Entrepreneur awareness camp	MBA	27/08/2018
Faculty development programme on distributed systems	CSE	15/12/2018
Hydrogen powered fuel cell vehicle for emission free future India	EEE	25/06/2018
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3.3.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best Project -Grievance redressal through APP and IVR in ICDS	E.G.S. Pillay Engineering College	ISTE	15/03/2019	Student Innovation
Best Project -Wind and Solar Powered Cooking Device	E.G.S. Pillay Engineering College	Indian Patent Office	01/10/2018	Innovation
Best Project -Smart Wheel Chair	E.G.S. Pillay Engineering College	ISTE	15/03/2019	Student Innovation
Student Project	E.G.S. Pillay Engineering College	ISTE	21/01/2019	Student Project
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
EGSPEC	Innovation Entrepreneurship Development Centre [IEDC]	Management Sponsored	Axsa Herbals - MSVT	Herbal Soap Manufacturing	27/08/2018
EGSPEC	Innovation Entrepreneurship Development Centre [IEDC]	Management Sponsored	Arusuvai Arasan Food Products	Fish based Value Added Products	20/09/2018
EGSPEC	Innovation Entrepreneurship Development Centre [IEDC]	Management Sponsored	Diamond Tech Park	Software Development	15/02/2019

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
SAH	4
MECH	2
CSE	1

3.4.2 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	MCA	3	1
International	MECH	10	1.5
International	CSE	8	1.25
National	IT	10	1
International	ECE	8	1
International	EEE	5	1
International	SAH	3	1

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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
SAH	3
CSE	2
IT	3

MCA	2
ECE	1
MECH	8
CIVIL	1
EEE	21
MBA	3
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Wind and solar powered cooking device	Published	2018460380044	01/10/2018
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3.4.5 – Bibliometrics of the publications during the last academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Solar Energy Based Multipurpose Agricultural Robotic Vehicle	A.Arunkumar	International Journal of Research in Advent Technology	2018	0	E.G.S. Pillay Engineering College	Nil
Development of Solar Operated Robotic Vehicle	A. Arunkumar	International Journal of Research in Advent Technology	2018	0	E.G.S. Pillay Engineering College	Nil
Multi-Criteria Decision of W-Powder Mixed Electro Discharge Drilling Parameters using TOPSIS Approach	Dr.J.Jeevamalar, D r.S.Ramabalan	MECHANIKA	2019	0	E.G.S. Pillay Engineering College	Nil
Synthesis and analyse the	Mr.G.Surender	International Research Journal of Engineerin	2019	0	E.G.S. Pillay Engineering College	Nil

physical properties of sugarcane bagasse glass fiber epoxy composites		g and Technology (IRJET)				
Synthesis and analyse the physical properties of sugarcane bagasse Coconut coir epoxy composites	Mr.R.Sundar	International Research Journal of Engineering and Technology (IRJET)	2019	0	E.G.S. Pillay Engineering College	Nil
Taguchi Optimization of Cutting Parameters for Surface Roughness and Material Removal Rate in Turning Operation	Dr. S. Chockalingam	International Research Journal of Engineering and Technology (IRJET)	2019	0	E.G.S. Pillay Engineering College	Nil
Driving Artificial Intelligence into IT and ITES	S. Manikandan	The Institution of Engineers (IEI) Annual Technical Volume of Computer Engineering Division Board	2019	1	E.G.S. Pillay Engineering College	1
Review of Momo attack in WhatsApp	S. Manikandan	IEEE India Council	2018	1	E.G.S. Pillay Engineering College	1
Deep Learning in Artificial Intelligence	S. Manikandan	IEEE India Council	2018	1	EGS PILLAY ENGINEERING COLLEGE	1

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3.4.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Energy efficient routing algorithm in wireless body area networks for smart wearable patches	A. Sundarraj	Computer Communications	2019	3	3	E.G.S. Pillay Engineering College
Criticality-cognizant Clustering-based Task Scheduling on Multicore Processors in the Avionics Domain	K. Nagalakshmi	International Journal of Computational Intelligence Systems (IJCIS)	2018	2	1	E.G.S. Pillay Engineering College
Deep Learning in Artificial Intelligence	S. Manikandan	IEEE India Council	2018	1	1	E.G.S. Pillay Engineering College
Review of Momo attack in WhatsApp	S. Manikandan	IEEE India Council	2018	1	1	E.G.S. Pillay Engineering College
Driving Artificial Intelligence into IT and ITES	S. Manikandan	The Institution of Engineers (IEI) Annual Technical Volume of Computer Engineering Division Board	2019	1	1	E.G.S. Pillay Engineering College
Taguchi Optimization of	Dr. S. Chockalingam	International Research	2019	1	1	E.G.S. Pillay Engineering

Cutting Parameters for Surface Roughness and Material Removal Rate in Turning Operation		Journal of Engineering and Technology (IRJET)				College
Synthesis and analyse the physical properties of sugarcane bagasse Coconut coir epoxy composites	Mr.R.Sundar	International Research Journal of Engineering and Technology (IRJET)	2019	1	1	E.G.S. Pillay Engineering College
Synthesis and analyse the physical properties of sugarcane bagasse glassfiber epoxy composites	Mr.G.Surender	International Research Journal of Engineering and Technology (IRJET)	2019	1	1	E.G.S. Pillay Engineering College
Multi-Criteria Decision of W-Powder Mixed Electro Discharge Drilling Parameters using TOPSIS Approach	Dr.J.Jeevamalar	MECHANIKA	2018	1	1	E.G.S. Pillay Engineering College
Investigation in Intelligent braking system	A.Arunkumar	International Journal of Research in Advent Technology	2018	1	1	International Journal of Research in Advent Technology

[View File](#)

3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Presented papers	10	5	4	11
Resource persons	3	7	1	9
Attended/Seminars/Workshops	40	10	2	48

[View File](#)

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
CIVIL	Retaining Wall - Construction - 220Rft	SOS - Nagapattinam	704000
IT	Teacher Recuritment Examinations	NSIT	134000
IT	Diesel Billing and Incentive calculator	Rajiya Travels	55000
CSE	One-day Training programme	CADD Centre	4000
CSE	Apple Sorting Machines	Color Sorting Machine	500000
MECH	Plant Renovation	PNR PLANT	100000

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
CIVIL	Two-day Workshop to Thirty Traditional Mansons on Disaster Resilience Construction Technology in Constructing	NGO	30000	50

	Houses in the Multi-disaster Prone Area			
English / SAH	Simplified Technical English	NGO	43500	10
English / SAH	Technical Writing	NGO	40000	10
View File				

3.6 – Extension Activities

3.6.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Drawing competition	Voter Day- Government	2	5
Eassy Competition	Voter Day -Government	2	10
World environmental day (Tree plantation program at our College campus)	NSS	5	100
Blood donation	Youth Red Cross, EGSPEC with Govt District Head Hospi tal, Nagapattinam	5	100
AIDS Awareness Program	Red Ribbon	5	100
National blood donation day (awareness program)	NSS	5	100
Disaster reduction day	NSS	5	100
Voters day name enrollment	NSS	5	100
Cyclone relief fund	NSS	5	100
View File			

3.6.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood donation	Certificate of Appreciation	Tamilnadu state AIDS control society	2
View File			

3.6.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Swachh Bharat	EGSPEC	Clean India Awareness camp	5	100
Aids Awareness	EGSPEC	AIDS Awareness Rally	20	500
Swachh Bharat	EGSPEC	Global Warming Awareness Rally	20	500

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3.7 – Collaborations

3.7.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Research	D. Devarajan ,S. M. Ramesh and B. Gomathy	E.G.S. Pillay Engineering College, Nagapattinam and Bannari Amman Institute of Technology, Erode, Tamilnadu, India	180
Research	Adhithan Pon, Ark aprava Bhattacharyya, B. Padmanaban and R. Ramesh	E.G.S. Pillay Engineering College, Nagapattinam and Device Modeling Lab, School of Electrical and Electronics Engineering, SASTRA Deemed University, Thanjavur 613 401, India	180
Research	M. Irshad Ahamed and K. Sathish Kumar	E.G.S. Pillay Engineering College, Nagapattinam and SSN College of Engineering, Kalavakkam-603110, Tamilnadu, India	180
Research	K.Nagalakshmi and Dr.N.Gomathi	E.G.S. Pillay Engineering College, Nagapattinam and SSN College of Engineering, Kalavakkam-603110, Tamilnadu, India	180

PL/SQL Training	60 -Students	MoU with Oracle	15
Salesforce Learnathon	100 -Students	MoU with Salesforce	30
Java Training	60 -Students	MoU with Oracle	15
View File			

3.7.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Java Hardware	Techtronic s/chennai	Nil	Nil	Ashwitha
Internship	Internet of Things	Oneyes technologies, Chennai	Nil	Nil	Karthi Raja
Internship	Machine operator	Brakes India Pvt Ltd, Polambakkam	Nil	Nil	Balaji K
View File					

3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Oracle Academy	29/06/2015	Oracle PL/SQL, Oracle Java	60
Amazon Web Services	12/02/2018	Workshop	66
Praveen Institute of Radiation Technology	20/12/2018	Magnetic Particle Testing	277
Praveen Institute of Radiation Technology	20/12/2018	ASNT LEVEL II in Radiography Technology	277
Praveen Institute of Radiation Technology	18/03/2019	Value added Course Conducted on modern survey at 18-19 even semester	50
Presto Institute (land survey and Construction management)	11/06/2016	Value added Course Conducted on STAD Pro at 19-20 odd semester	56
eStaar max Technologis Private Limited	11/06/2016	Value added Course Conducted on STAD Pro at 19-20	56

		odd semester	
VI-Micro system	12/07/2016	Training	67
Q-TEK	20/12/2018	Magnetic Particle Testing	277
Multimedia University, Malaysia	22/08/2016	Conference	8
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
587.13	578.6

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Newly Added
Classrooms with LCD facilities	Newly Added
Campus Area	Existing
Laboratories	Existing
Class rooms	Newly Added
Seminar Halls	Newly Added
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Newly Added
Video Centre	Newly Added
View File	

4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AUTOLIB SOFTWARE	Fully	7.2	2017

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	49248	17471306	782	1915816	50030	19387122
Reference Books	822	156180	Nill	Nill	822	156180
e-Books	25	9500	Nill	Nill	25	9500
Journals	160	500000	99	281500	259	781500

e- Journals	Nil	Nil	507	1729902	507	1729902
CD & Video	883	Nil	Nil	Nil	883	Nil
Others (specify)	1246	263722	Nil	Nil	1246	263722

[View File](#)

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
All Faculty Members	LMS	egspec Digital Resources	24/06/2018
All Faculty Member	LMS	Google CLASS room	12/08/2018
All Faculty Members	LMS	you tube	02/01/2019

[View File](#)

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	458	7	64	31	7	3	7	100	0
Added	70	1	100	0	1	0	1	100	0
Total	528	8	164	31	8	3	8	200	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

100 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Google Class Room	https://google.egspec.org
E-Content Management System	https://econtent.egspec.org

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
55.24	55.1	531.89	523.5

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in

There are systematic procedures and systems in our college for maintaining and utilizing physical, academic and support facilities such as laboratory, library, sports complex, computers, classrooms etc. 1. Estate Maintenance: The classrooms, laboratory ambience, gardens, washrooms and student support facilities are maintained regularly. College has an Estate Office and a designated officer for monitoring maintenance of buildings, classrooms and laboratories. Facility manager and maintenance in charges are deputed to monitor the maintenance activities of buildings, class rooms and laboratories. There is a building in-charge with his team members, to do maintenance work. Each department is responsible for the maintenance of their class rooms, and laboratories. Any discrepancy will be reported to the maintenance office, then the maintenance work will be carried out and reports are updated immediately. For an overall maintenance, separate Infrastructure in-charge is deputed. 2. Laboratory Maintenance: The lab in-charges are responsible for the calibration/service of equipment and it is reviewed on yearly basis. The obsolete equipment's are condemned as per Government norms. The equipment stocks in the laboratory and college stock register is maintained and verified. Laboratory ambience is maintained and monitored by estate officer and the concerned laboratory technician. 3. Library Maintenance: Everyday activities of the library are governed by the librarian and assistants. The overall monitoring of the library is directed by a committee comprising of Principal, Dean, Heads and department level coordinators and librarian. Library committee scrutinizes the recommendation for the purchase of books and journals based on Goods of Committee norms. Library software will be reviewed by the committee, and upgraded when needed. Library follows the Government norms for weed out of worn out books, and stock verification of the books is done yearly. User awareness program on library resources are conducted periodically. Every day morning the returned books will be re-shelved by the library assistants. 4. Computer Maintenance: The servers and desktop systems are checked once in a week for release of new updates and upgraded accordingly. The firmware upgradation for network equipment like access points, switches are done on need basis. 5. General Security: Trained security personnel are deployed at the college main gates, at all the department blocks, hostels and other strategic locations. Under the supervision of a security officer, they keep constant vigil all the movements inside the campus, undertake all the equipment in the buildings and also check all the outsiders entering the campus. Garden maintenance is taken care of by a team of gardeners. Campus is equipped with CCTV camera on main places with 24x7 security system, necessary human power is available to take care of the facilities.

<http://www.egspec.org/maintenance-Procedures-policies-2018-2019.pdf>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Post matric scholarship for scheduled class students	864	5853550
Financial Support from Other Sources			
a) National	Tamilandu State Government scholarship for	157	777045

	Backward class students(UG)		
b)International	First graduate	101	2675000
View File			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
EDC-based programme (Entrepreneur awareness programme)	19/12/2018	128	EDC Cell
Communication Skills	27/06/2018	60	Training and placement Cell
Life Skills :Soft skills	27/06/2018	63	Training and placement Cell
Life skills (Yoga, physical fitness, health and hygiene)	27/06/2018	130	Training and placement Cell
Life Skill-Verbal Ability	19/12/2018	73	Training and placement Cell
Bridge course	13/06/2018	14	Training and placement Cell
Physical fitness	29/08/2018	394	Physical education department
Workshops on advanced software for devices modelling	27/06/2018	85	ECE
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	Placement Training Phase- 1 for final year - Part 1	Nil	145	Nil	Nil
2018	Company Specific Training- Kryptops	Nil	24	Nil	Nil

	Technologies				
2018	Motivational session	Nill	225	Nill	Nill
2018	Placement Training Phase- 1 for final year - Part 2	Nill	145	Nill	Nill
2018	Industry interaction session-I	Nill	100	Nill	Nill
2018	Industry interaction session-II	Nill	100	Nill	Nill
2019	MBA Phase-I Training	Nill	28	Nill	Nill
2019	TCS NINJA Training	Nill	139	Nill	Nill
View File					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
10	10	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Number of organization visited: 28	2219	478	Number of organization visited:9	496	46
View File					

5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
Nill	1	CIVIL	BE	S.R.V. Engineering College	M.E (Structural Engineering)
Nill	2	MECH	BE	E.G.S. Pillay Engineering College	MBA
2018	1	MCA	MCA	E.G.S.	MPhil

				Pillay Arts and Science	
2018	4	MECH	BE	E.G.S.Pillay Engineering college	M.E (Manufacturing)
2018	1	IT	BE	Sir Issac Newton College of Engineering and Technology	M.E (Computer Science and Engineering)
2018	4	CSE	BE	E.G.S. Pillay Engineering College	M.E (Computer Science and Engineering)
2018	4	CIVIL	BE	E.G.S. Pillay Engineering college	ME (Environmental Engineering)
2018	2	ECE	BE	E.G.S. Pillay Engineering college	M.E (Communication System)
View File					

5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	5
CAT	3
GRE	1
TOFEL	1
SET	3
Any Other	5
View File	

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
Drawing Competition	International	5
Tamil Poetry Competition	International	4
English Poetry Competition	International	6
English Essay writing Competition	International	2
Tamil Essay Writing Competition	International	4
English Handwriting	International	5

Competition		
Tamil Handwriting Competition	International	2
View File		

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	District First (Cricket Team)	National	1	Nill	820816205701	Tharic Ajiz J
2018	Zonal First (Table Tennis)	National	1	Nill	820815205033	Sruthi S
2018	Zonal Third Place (Hand Ball)	National	1	Nill	820816205016	Hariharan S
2018	Zonal Third Place (Hand Ball)	National	1	Nill	820816205049	Shanmuga priyan V
2018	Zonal Third Place (FOIL TEAM)	National	1	Nill	820815205033	Sruthi S
2018	Zonal First (Basket Ball (Men))	National	1	Nill	E18ITR04	M.Punithan Jayaraj
View File						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

College creates a platform for the active participation of the students in the various academic administrative bodies including other activities. This empowers the students in gaining leadership qualities, rules, regulations and execution skills. Each council has a representative council, which is called Class Committee and includes student members too. The student members bring forward the views and suggestions of the entire class with respect to the faculty, subjects, syllabus and other things related to the class. The composition of student members is of one topper, one average and one slow learner of each class are nominated as class representatives, for all the sections from I Year to Final Year. The Student Council helps students share ideas, interests, and concerns with lecturers and Head of department. They

often conduct wide activities, including social events, community projects, helping people in need and college reform. Various programs like paper presentations, workshops and seminars are organized by these bodies every year. Five student committees such as Women Development cell, Grievance and Redressal cell, Sexual Harassment committee, Discipline Anti-Ragging Committee, and Innovation Club are established in college. The funding for various activities of the internal college bodies is provided by the College Management. The student association plays a dominant role in many activities related to Special Lectures by experts, Seminars, Workshops, Symposium, National Level Conference and Intercollegiate meet to develop the personality and skills of the student's ability. There are more than 30 clubs available in our college 1. NSS 2. Women in development cell 3. Solar energy club 4. Automobile club 5. HVAC club 6. Maintenance and Safety club 7. Design club 8. Technical visit club 9. Material and manufacturing club 10. Engineering club 11. Robotics club 12. Digital systems 13. Electronic innovators 14. Satellite club 15. Intelligent vision 16. Aptitude Avengers 17. Simulator club 18. Go green club 19. Embedded system club 20. House stuff club 21. Valar Tamil Peravai 22. Science forum 23. Change makers club 24. Creative mind club 25. Communicare club 26. Just move yoga 27. Web Designing 28. Programmers Paradise club 29. Networking club 30. Learners and Earners Club

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The alumnus forms the major strength of the institution. The Alumni Association was formed in the year 2007 under the name " E.G.S.Pillay Engineering College Alumni Association" with the Reg. No: 43/10.06.2015. The alumni meet is conducted once in a year, where the alumni from different branches of the undergraduate and postgraduate programs share their views and give suggestions for the betterment of their junior students. The alumni meet is hosted by the alumni association. Such meetings are mutually beneficial for the Institution and the alumni. This provides an opportunity for the alumni to meet their friends and act as a bridge for the faculty to share their experience, knowledge and insights. The alumni visit the institution to deliver Guest lectures and seminars for the students in their areas of expertise and motivate the young minds. Successful entrepreneurs from various fields alumina are invited to talk on their success. The alumni also help the final year students of the various streams of engineering to get their project placements and summer internship in their companies to assist and get it through their reference. They also assist the students for placement in public and private sectors and the regular alumni association meetings will help the students to get successful placement.

5.4.2 – No. of registered Alumni:

518

5.4.3 – Alumni contribution during the year (in Rupees) :

705670

5.4.4 – Meetings/activities organized by Alumni Association :

Report of 6th Alumni meet - 2018-19: E.G.S. Pillay Engineering College Alumni Association is a registered body and has members with active participation in organizing the alumni meet religiously by inviting all the alumni. The norms are adhered, audited and reports are submitted to the respective authorities. The association actively organizes the regular meets. The alumni Meet for the year 2018-2019 was conducted on 30th March 2019. In this meet, the more no of

Alumnus of E.G.S. Pillay Institutions happily participated, shared their college memories. The Alumni President delivered the welcome address gathered Alumni. One of our distinguished Alumni Mr.A.Kamalakaran, CEO, LUFCON Techno solution, Chennai, honored the function and thought provoking speech that instilled the zeal in the gathered minds. He also shared his experience and thanks the college management. There were around 550 alumni enrolled and 202 have participated in the meet. In this Alumni Meet, the Secretary of E.G.S .Pillay Group of Institutions Shri. S.Parameswaran, Principal Prof.S.Ramabalan, COE - Prof. M.Chinnadurai, Heads and faculties of various departments enrich the programme. In this meet, several alumnus of E.G.S. Pillay Institutions happily participated, shared their memories. The alumni meet concluded with the proposed activities for the forthcoming academic year. The activities include financial help to the students in need, infrastructure development, academic guidance, internship facilities and technical support. The alumni also were interested to support the students for their online internships, to sponsor for the online courses, placement support through career enrichment activities. They were also ready to help students with entrepreneur interest by conducting entrepreneurship awareness program.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The college supports participative management at various levels. Participative management enables all the stakeholders including management representatives, principal, staff and students to involve in the process of problem analysis, strategy development, and solution implementation. It is one of the primary cultural features of the college. Each stakeholder provides positive ideas on the operational activities of the college. Management representatives involve in enhancing quality and welfare aspects of the college. Principal drives all the academic and nonacademic 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. Meetings are organized every week by the Principal with HoDs, where policies are framed and decisions are made. The minutes of the meetings are circulated to all the staff. The management is also open to the ideas and suggestions given by the faculties for implementing the framed policies. The Principal leads the academic, administrative and other activities related to the students. He has full authority on academic activities and establishments of different committees. He delegates different roles to the members in the committee to act autonomously. The institution encourages the concept of decentralization and actively pursues the implementation in the overall schema. HoDs play a central role in decentralizing the resources by scheduling the activities of the department and assigning responsibilities to the department faculties. They have functional autonomy to decide on the various departmental activities by implementing them with the involvement of the faculty members. They 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. Faculty members are involved in the purchase and maintenance of equipment and consumables. One of the objectives is to mentor the students as productive citizens for the society at large as participative management. The mentoring system provides a guide line to the students was conceived and implemented with the participation of the faculty members. The mentoring system comprises with different steps. The initial step is to allocate a set of students to each faculty. Each and every faculty maintains the record of complete students' profile. A schedule is

put in effect periodically for monitoring their performance. In addition to curriculum, the extracurricular and cocurricular activities are also considered for mentoring.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Teaching and Learning	<p>For every semester course plans are prepared by the faculty member and verified by the HoD in line with the syllabus and scheme of examination followed by EGSPEC. A High quality course material is prepared and disseminated to the students by the faculty members in order to reinforce the teaching and learning process. This process is also monitored by the HoD and the feedback is collected from the students. The class committee is established for each semester. It contains a Chairman (an experienced faculty member doesn't handle any course to the class), faculty advisors and 9 student's representatives. Class committee meeting has been organized regularly to collect the grievance about teaching and learning process. Faculty members have been stimulated to take part in faculty development programmes, workshops, and seminars for imparting deep knowledge in their domain. Problem-oriented assignments and case studies have been offered to students. Utilization of ICT tools helps the students understand the concepts clearly. Conducting communication skills development programme for students to promote their communication skills. Certificate courses, workshops, seminars on thirst areas by industry experts are regularly organized. NPTEL materials, which contain video lectures given by eminent professors, are provided for student access in the laboratory itself. Bridge courses are offered to the first year students and lateral students to understand the basics of engineering subjects. Awareness classes are offered to the students to appear for competitive exams. Maximizing the learning experience through online web seminar sessions like NPTEL. Practice of 5 minutes speech every hour to</p>

improve the communication skills. EGSPEC also provides the following facility to the students for their betterment: interactive modules like videos and presentations, personality development and soft skill programmes, Wi-Fi access, department library access, digital library facilities, coaching classes for slow learners, add-on courses, workshops, seminars on thirst areas, preplacement training classes and campus connect programmes.

Examination and Evaluation

End semester examinations are conducted under the supervision of the Controller of Examinations. The central valuation is carried out in the office of the Exam Control Division itself and the results are declared after the approval of the concerned evaluation committee of the college. The performance of the students is assessed by conducting Continuous Assessment Test and End Semester Examination. At the beginning of each Semester, students are cognizant about the evaluation methods. One of the faculty members from each department is act as an Internal Controller of Examination to regulate our Examination process better. End Semester Examination question papers are being set and evaluated by External Experts. Detailed key for evaluation is being prepared by internal faculty members. Evaluation of answer scripts are carried out by both internal and external examiners. The candidates are entitled for the photocopy and revaluation of the answer script. The evaluation of final year project (for UG/PG students) is done in a transparent fashion with the student progress, marks allotted and any issues being documented in the Project review sheet after each periodic review. The Project review sheet is made available to the student immediately after the review so that he/she can go through it and see the marks obtained as well as the comments of the reviewers. Final Grade is awarded to the student by combining the Internal marks and Semester marks. Automation of the Examination Cell provide a guarantee for timely declaration of results and conducting supplementary/arrear examination for failed students to keep the Academic calendar on schedule.

Research and Development

The college has a separate Research and Development Cell which take up the activities related to Research and Innovation. The committee is headed by the Principal with faculty members having Ph.D. qualification as its member with the coordination of Dean RD. The institution has been recognized as Research Centre for the Department of CSE, ECE, MECH, and CIVIL. The faculty members pursuing their Ph.D programme are instructed to setup their experimental work in the college itself to promote research attitude among students. Fifteen days of on duty leave is offered per semester to the faculty members for pursuing their research activities. Separate budget has been allocated every year for the purpose of procuring research equipment. Faculty members are motivated to (i) publish research papers in reputed journals (SCI, Scopus indexed journals) with high impact factor and a cash incentive is also offered by the management. (ii) apply research Proposals to various funding agencies like AICTE, DST, UGC, CSIR, MNRE, DRDO, etc. (iii) submit proposals for conducting seminars, conferences and workshops (iv) collaborate with the industry for research projects (v) to identify and foster the noteworthy pioneering ideas and projects that can be developed and scaled to the next level of operation, in order to get a patent and (vi) apply for Guide Recognition under Anna University, Chennai. Publications of Research findings in Conference and Journals are mandatory for PG. The inspirational thinking of the students is recognized by awarding Best Student Projects every year.

Human Resource Management

To ensure smooth functioning of the organization, timely recruitment of faculty and non-teaching staff is mandatory. Recruitment and selection of the faculty members are based on the guidelines given by AICTE, New Delhi. The performance of the faculties and non-teaching staff members is evaluated every year through self-appraisal reports and appropriate endorsements are made by the concerned HoDs. Grievance and redressal cell is in active functioning, there by grievances posted by faculty, staff and student are being immediately solved and

suitable solutions are provided. Faculty members are recognized for their contributions and achievements during the Annual day programme. The moral and spiritual values are encompassed among the students through ethics classes, yoga meditation classes, foundation courses and interfaith dialogue. Guest Lectures are arranged in recent technologies by best academicians and industrialists from reputed organizations. Faculty development programmes are organized for upgrading the knowledge of our faculty members. Faculties and students are encouraged to attend workshops conducted by various institutions. Hands on training programmes are organized to shape the students in current technologies. Value added, soft skills development, and aptitude skills development courses are provided to the students to improve their professional skills. Students are employed in various reputed industries and MNC's through on campus and off campus placement drives. The HoDs and faculties are responsible to ensure the students to go to internships.

Library, ICT and Physical Infrastructure / Instrumentation

The college has a fully computerized library system with adequate volumes of books on different disciplines, with separate section for the international and national periodicals, to provide effective learning resources to the library users and ensure easy, quick and efficient access to desired data. The students are provided with a library period in their weekly time table to enhance knowledge. Apart from this, the library is kept open from 8.00 A.M. to 7.00 P.M. Staff members and students use the library after their class hour. Every year Central library is added with new books and journals. Every department has individual LCD projector, system with internet connection. Classrooms, seminar halls and conference rooms are equipped with computers and ceiling mounted projectors, audio system Wi-Fi, and screen. Round the clock Wi-Fi connectivity provided for faculty, staff, and students. All the Laboratories are well equipped. Each computer lab is equipped with 70 computer terminals with high end configurations.

Admission of Students	<p>The students are admitted according to the Anna University/State Government/ AICTE Norms. Admission of students to various Programmes is done through a Single Window System (SWS) and Management Quota System (MQS). Admission through SWS is done by the Tamilnadu State Government and MQS is also based on merit following the norms prescribed by Anna University and Government of Tamilnadu. The college ensures wide publicity in admission process by advertising in local, regional and national newspapers and TV channels, participating in the educational fairs and providing updated information through the college website.</p>
Curriculum Development	<p>The curriculum of each programme is regularly revised, to support abreast of developments in the respective programme. The curricula and syllabi are revised every 3 years, and earlier if necessary, to include topics/courses that are of contemporary interest. The curricula are designed so that the courses focus major domain of the discipline. Furthermore, electives, industry offered courses etc., are aligned to those domains. The key objectives of the curricula at EGSPEC are to ensure (i) engineering education is experiential (ii) engineers are industry ready (industry offered courses) (iii) graduates' skills are future proofed (contemporary programming and design courses) (iv) outcomes based learning is implemented (v) conceptual rigor is reinforced (continuous curricular modernization via revisions) (vi) continuous self-learning is encouraged (NPTEL credits) and (vii) innovators/entrepreneurs are developed (prototyping semester and internship credits).</p>

6.2.2 – Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	<p>Planning and development are carried out in a systematic way by forming committees and frequently discussing the developmental activities of our college. The formation and selection of committee members will be intimated through email and several whatsapp groups are formed for better communication and quick disposal of</p>

work allotted. This academic year has seen the completion of our new Library block and is waiting to be inaugurated. New research laboratories for various engineering and science departments are being planned in this academic year in order to establish Research Centres and Centre of Excellence. An 'incubation centre' is being planned in this academic year. An innovation cell has come into existence and students and faculty members can now work round the clock as per their convenience, in order to bring out new innovative design and products. The entrepreneur development cell (EDC), which already exists in our college has been revamped to cater to the needs of the students and the industry as well. 'Skill Rack' an online platform for practicing programming languages for the first-year engineering students also, has been introduced from this year in their regular class time-table itself. This will enable the students to learn more programming languages, other than those existing in their syllabus, to gain domain knowledge in the field of software and hardware practices. Students have been advised to take part in 'Hackathons' in large numbers and groups, and also in national competitions for automobile design, namely, the all-terrain vehicular design competition, besides other events. As on date, 21 clubs for staff/student's active participation is existing in our college and registration for these clubs is done online.

Administration

The College functions with EGovernance system at Government, Society and College level. Even though the college is established in a rural area, the institution tries its best to manage with latest tools of administration in hand. Using Smartphone's with social apps, like Gmail and WhatsApp faculty share the notes to students, communicate information, placement news, answer queries etc. It helps to provide a brief notice and reminder of any event, and other important happenings through the college WhatsApp Group for the smooth functioning. The college campus is Wi-Fi enabled, operating with solar cell backup and equipped with CCTV

Cameras at every place of need. Educate (E-Academic process and Progressive Management System) is used for all academic activities through online mode.

Finance and Accounts

The role of computers in maintaining finance and accounts has come as a gift to this department which keeps a record of financial activities through book entries, all these years. E-governance has become the order of the day and to synchronize their activity with the Head and Trust offices is a challenging task. However, this financial year audit report has given an excellent report of our financial practices and has even commended our activity as saying that, never have we seen such wonderful methods to maintain and upkeep of financial records of all transactions, in the colleges audited so far by us." This was a statement made as a concluding remark by the auditors who came to inspect our financial state of affairs.

Student Admission and Support

In our college, there is a standard and established procedure of admission of students to engineering courses. We have to handover 65 of our total seats to the Anna University for the Government/general counselling process and the remaining 35 of students can be admitted through the management quota system. The general counselling includes those students who will be admitted on merit basis, to be decided from their marks in the school outgoing exams in their 12th standard, namely, in mathematics, physics and chemistry. The general counselling will be conducted by Anna University online. For admission in management quota, the standard procedure is the prospective students should register online in our college website and based on marks and other supporting criteria they will be selected. For getting bright students into our stream, we have the career guidance programme for the school students. There is also a project exposition for the school students in the S2T program. We also provide scholarships to meritorious students. We also admit meritorious, but economically weak students through several educational foundations, like the "Agaram Foundation" and the

	<p>"Maatram Foundation", to name a few.</p> <p>Here, the entire expenses for the meritorious students and economically weak students, admitted through the merit counselling, are taken care of, for all the four years of their study in our campus, by these foundations.</p>
Examination	<p>Our examination system is one of the silver-linings in a cloud. This system is in place for so many years now and this year became the most challenging one as the examinations had to be conducted through the online mode for all the students in view of the pandemic, Covid-19. However, we did this successfully, this daunting task by holding exams at different online dates for all the students, giving first preference to the outgoing students. It has produced a highly successful result and we are in the process of maintaining our numero- uno position among all engineering colleges, in terms of Gold medals and pass percentage of marks by our brilliant students. Student attendance and mark statements is governed through online mode.</p>

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Dr. R. Karthi	Global Marketing Management	Nil	1500
2018	Dr. V. Mohan Dr. Suresh Padmanaban	Control of power electronic converters for smart power systems, at NMAM Institute of Technology, NITTE, Karnataka	Nil	14000
2018	S. Manikandan	International Seminar on Innovations in Engineering and Sciences at Multimedia University, Melaka Campus,	Nil	5000

		Malaysia		
2018	S. Manikandan	International Congress on Super Computing 2018 (ICSC 2018), Association of Scientists Developers and Faculties (ASDF), Holiday Inn Bangkok, Silom, Kingdom of Thailand	Nil	10000
2018	Dr.M. Chinnadurai	Driving Artificial Intelligence into IT and ITES	The Institution of Engineers (IEI) Annual Technical Volume of Computer Engineering Division Board	10000
2018	Dr.N. Murali	International Congress on Super Computing 2018 (ICSC 2018), Association of Scientists Developers and Faculties (ASDF), Holiday Inn Bangkok, Silom, Kingdom of Thailand	Nil	10000
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	Emerging Trends In Autonomous Robots	Emerging Trends In Autonomous Robots	04/06/2018	09/06/2018	150	4
2018	Faculty Development Programme	Nil	14/06/2018	15/06/2018	51	Nil

	Internet of Medical Things					
2018	Two days workshop on Disaster mitigation and management in Nagapattinam,	Nil	21/06/2018	22/06/2018	1	Nil
2018	Solar Forecasting and its Integrated Energy Storage	Solar Forecasting and its Integrated Energy Storage	21/06/2018	22/06/2018	19	4
2018	Fundamentals of digital signal, image and video processing	Fundamentals of digital signal, image and video processing	11/10/2018	12/10/2018	5	3
2018	Nil	Safety measures and energy conservations	22/07/2018	27/07/2018	Nil	30
2019	Two Days Workshop on Implementation Assessment of Outcome Based Education	Two Days Workshop on Implementation Assessment of Outcome Based Education	02/02/2019	03/02/2019	80	4
View File						

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Strength of Materials-II	4	03/12/2018	09/12/2018	7
FDTP on Mobile Computing	4	03/12/2018	14/12/2018	12
National conference on Nature inspired	1	06/10/2018	07/10/2018	2

computing applied electrical engineering				
Internet of Medical Things	2	14/06/2018	15/06/2018	2
Seminar on Hydrogen Powered fuel cell vehicle for emission free future India	3	25/06/2018	25/06/2018	1
Workshop on The science of blockchain	6	28/06/2018	29/06/2018	2
Finite Element Analysis	3	10/12/2018	21/12/2018	10
Mathematical Epidemiology	1	13/10/2018	15/10/2018	2
Python Programming	5	12/11/2018	13/11/2018	2
Quality of Education in Higher Educational Institute	4	15/01/2019	29/01/2019	12
View File				

6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
245	245	20	20

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
EPF, Medical facilities, Transport, Tuition fee concession to the children, Conference and training support, Research related facilities, Salary advance/ Loan policy	EPF, Medical facilities, Transport, Tuition fee concession to the children, Work related facilities, Salary advance/ Loan policy	Scholarship schemes, awards for academic, cocurricular and extracurricular activities

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

The college has an effective system for internal and external financial audit. The internal audit is a continuous process along with the external auditors to verify and certify the total income and expenditure of the college. Experienced internal auditors have been permanently employed and a team of staff under them

do a thorough check and verification of all vouchers of the transactions for each financial year. During the course of internal audit, all required steps are taken to regularize the accounts and to obtain confirmations for the credit balances, to collect documentary evidences wherever inadequate regarding payments, compliances of T.D.S and statutory formalities and reconciliation of unit wise balances with the control accounts and banks reconciliations. The copy of the Internal audit report covering all matters related to maintenance of accounts, availability of documentary evidences, documentation, compliances, etc., is preserved. Similarly, an external audit is also conducted by the auditors on an elaborate way on quarterly basis and the final audit report with audit findings are submitted to the management. Hitherto, there have been no major findings/objections. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected or rectified and precautionary steps are taken to avoid recurrence of such errors in future. The consolidation of the findings of the Institutions with trust central office has been completed and the annual returns have been submitted to income tax authorities, registrar of societies and the other concerned authorities.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Apple Sorting Machines	500000	Color Sorting Machine
View File		

6.4.3 – Total corpus fund generated

21378100

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Resource persons NIT, Karaikal	Yes	IQAC
Administrative	Yes	TUV NORD and AU representative	Yes	Management Representative

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

Each department conducted parents meeting regularly (in the odd semester after the completion of CAT-I and declaration of Anna University results) to discuss about the progression of their students in academic and personal aspects. Suggestions and feedback regarding syllabus other activities are collected from parents in the prescribed format, analyzed and used for further development. Grievances regarding college development are obtained and implemented. It helps to foster and promote good relationship among faculty, staff and students with parents to promote social development. It helps to create keen interest for the smooth functioning of the institute. It helps to understand the diversified need of the students belonging to different backgrounds.

6.5.3 – Development programmes for support staff (at least three)

Staff development programmes (seminars/workshops/training programme) are conducted by each department to address their technical needs regularly. For

example, the computer hardware and troubleshooting programme is conducted by computer experts to the supporting staffs. The supporting staff are encouraged to attend such type of programme in other colleges. Expenses incurred to attend the external programmes are sponsored by the management.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Regular meetings with various stakeholders such as members of Board of studies, Academic Council, COE, etc. are conducted for curriculum improvement. Regular audit will be conducted for the enhancement of academics. More involvement towards Research Development.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	A Two-Day Workshop on "Improving Quality 6 through attainment of Learning Outcomes"	02/02/2019	02/02/2019	03/02/2019	190
2019	Motivating all the faculty members to publish research articles in Scopus, UGC and web of science journals	28/06/2019	28/06/2019	28/06/2019	190
2018	Participating in NIRF ranking	07/12/2018	07/12/2018	07/12/2018	Nil
2018	Academic and Administrative Audit by IQAC for the academic year 2018-19	07/11/2018	07/11/2018	07/11/2018	Nil
2018	Faculty Development Program on Internet of Medical Things	14/06/2018	14/06/2018	15/06/2018	51

2018	Two-day workshop on Disaster mitigation and management in Nagapattinam	21/06/2018	21/06/2018	22/06/2018	1
2018	Seminar on Wimax on free space communication	09/11/2018	09/11/2018	09/11/2018	10
2018	Faculty Development Program on Distributed Systems	15/12/2018	15/12/2018	28/12/2018	25
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Sports competition for Girl students, female staff and male staff	25/02/2019	04/03/2019	151	15
Karate and Yoga competition	26/02/2019	27/02/2019	85	Nil
Talent Show	28/02/2019	04/03/2019	166	39
Women's Day	07/03/2019	13/03/2019	1050	39
Guest Lecture- Safety Laws for women in our constitution	07/03/2019	13/03/2019	1050	39

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
3.5 KW from Solar and 1.5 KW from Wind

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	3
Provision for lift	Yes	3

Ramp/Rails	No	Nil
Rest Rooms	Yes	3
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	3
Braille Software/facilities	No	Nil

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	24/07/2018	1	AIDS Awareness program	Created aids awareness to the students	60
2018	1	1	06/05/2018	1	World environment day	World environment day awareness	100
2018	1	1	21/06/2018	1	World yoga day program	Health care	500
2018	1	1	02/07/2018	15	Swachh bharath summer internship program	Create clean India awareness	40
2018	1	1	15/07/2018	1	Organ donation Rally	Organ donation awareness	200
2018	1	1	20/08/2018	1	Kerala flood relief (things)	Kerala flood relief things issued to kerala people.	100
2018	1	1	26/08/2018	2	Kerala flood relief fund(Rs.2.50 lakhs)	Kerala flood relief fund(Rs.2.50 lakhs) issued to collector	50

						ate.	
2018	1	1	20/09/2018	1	Road cleaning work	Road cleaning work at thethi	50
2018	1	1	10/01/2018	1	National blood donation day (awareness program)	Blood donation awareness created.	100
2018	1	1	10/10/2018	1	Cleaning work at college Road.	Cleaning work at college Road.	100
View File							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
GE6075-Professional Ethics in Engineering	10/12/2018	It gives a wide knowledge in morals, attitude, Ethical thinking, Social Responsibility, rights, global issues and Human Values

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Dr.A.P.J.Abdul kalam memorial day	27/07/2018	27/07/2018	100
Independence day celebration	15/08/2018	15/08/2018	250
Teachers day celebration	09/05/2018	09/05/2018	100
Gandhi Jayanthi day celebration.	10/02/2018	10/02/2018	100
Abdul kalam birthday celebration (Tree plantation program)	15/10/2018	15/10/2018	100
Youth day(swami Vivekanandar birth day) celebrated at our college.	12/01/2019	12/01/2019	400
Nethaji subash chandrabose birthday conducted.	23/01/2019	23/01/2019	100
Republic day celebration	26/01/2019	26/01/2019	250

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Our Institute E. G. S Pillay Engineering College (Autonomous) is committed to provide eco friendly environment to its stakeholders and thus contributes to the environmental safety. The following initiatives are taken • Solar Power utilization • Wind Power utilization • Green Campus • Plastic Free Campus • Paperless files • Recycling of Water • Smoke Free campus • Solar Power utilization To conserve the electricity the campus is moving towards solar powered campus. The initiative aims to replace the traditional power usage and employ solar power sources wherever necessary. The campus Auditorium is fully powered by Solar. The Solar Panel fixed in auditorium generates solar power of (3.5 Kilowatts). We are planning to utilize solar power in the laboratories and the initiatives have already started. • Wind Power utilization Apart from solar power utilization the campus is enabled with wind power which generates power of (1.5 Kilowatts) which is used for general equipments power source replacing traditional current. • Green campus The campus strongly believes in the benefits of the trees and plant and greenish campus not only purifies the environment but also give a pleasant atmosphere. The campus maintains three gardens within the buildings of the college with several flowers, crotons and medicinal plants. Tree plantations are carried out frequently. Separate Gardener is appointed to ensure the greenish environment of the campus is maintained all time. Green clubs are actively involved in Green campus initiatives. • Plastic Free campus With the aim to avoid non decaying plastics which ruins the soil and environment the campus ensure that one time plastic usage is never used in any place of the campus. One time plastics and use and throw plastics are completely banned inside the campus. The campus bans the use and throws one time plastic tea cups, plates and polythene bags inside the canteen. Non decaying plastic decorative materials are completely avoided in academic functions. • Paperless Files The departments are instructed to maintain the files digitally rather than keeping the files in a paper format wherever applicable. Also the college is taking initiative on conducting certain exams in online mode rather than in paper mode and thus reduction in paper usage is achieved. • Recycling of Waste water The waste water is recycled and is used for watering the plants in the gardens and for non drinking purposes. Thus the water usage is limited saving ground water and tap water. • Smoke Free campus Smoking is completely banned inside the campus and smoking activity is viewed seriously and disciplinary actions are taken. To avoid vehicle smoke all the students and staff are advised to not ride vehicles inside the campus. Vehicles on entering the campus will be turned off and is parked in the appropriate places manually. Students and staffs are instructed to move by walk or bicycles between blocks, hostels and auditoriums.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best practice I Title of the Practice Conduction of value based employability skill development programmes The Context: Employability skill development programmes are widely considered instrumental in equipping new graduates with the required employability skills. The only technical subject knowledge and associated experimental studies cannot produce the good human being and responsible citizen. It is prime responsibility of any educational institute to inculcate the values and ethics in the students for their overall development and associated contribution towards society and country. Goals: 1. To make the students good human being. 2. To groom students for responsible citizen. 3. To develop professional ethics in the students. 4. To groom the students personality. The Practice: 1. Sending faculty members to various human values workshop/ refresher courses. 2. Organizing various personality development

programs for students. 3. Organizing social awareness programs. 4. Implementing anti ragging rules. 5. Organizing gender sensitization based program. 6. Conducting of various cultural events. Evidence of Success: On monitoring the overall scenario of the college: 1. It is found that our students are more disciplined and cultured. 2. There is no ragging case in our college premises. 3. Students are capable enough to organize various cultural events on their own without any indiscipline case. 4. The students are voluntary participating in various NSS activities. Problems Encountered and Resources Required: The time management is a major concern as lot of academic and non-academic activities are going in parallel. Crowd management in events is also a challenge, however with mutual coordination of students, faculty and administrative staff, things are being managed. Best practice II Title of the Practice Young Entrepreneurs

The Context: This practice aims at training the UC/PG students in the essentials of conceiving, planning, initiating and launching an economic activity or an enterprise successfully. Goal: 1. To support and develop high-end entrepreneurship as well as self-employment by utilizing ST infrastructure and by using ST methods. 2. To facilitate and conduct various informational services relating to promotion of entrepreneurship. 3. To network agencies of the support system, academic institutions and Research Development (RD) organisations to foster entrepreneurship and self-employing using ST with special focus on backward areas as well. 4. To act as a policy advisory body with regard to entrepreneurship. The Practice: "Young Entrepreneurs" programme content includes class room training on essentials of entrepreneurship survey of the prevalent socio - economic scenario, identification of business opportunities, role and function as well as schemes of assistance offered by various constituents of the support system, preparation of a technically feasible and economically viable project report, Achievement Motivation Training and also the nuances of management of an enterprise. Sessions on technology and finance are also arranged, depending upon the nature of project selected. Special programmes are being conducted with more emphasis on linkages with RD institutions to take up projects based on indigenous technologies and services, in the area of high technology, such as leather, plastics, bio-medical equipment, high speed data communication and other emerging areas of technology. Evidence of Success: On monitoring the overall scenario of the college: 1. It is found that our students are attracted towards entrepreneurship programmes. 2. Students are capable enough to learn, initiate and run small organizations. 3. The students are voluntary participating in various entrepreneurship programmes Problems Encountered and Resources Required: The time management is a major concern as lot of academic and non-academic activities are going in parallel. Crowd management in events is also a challenge, however with mutual coordination of students, faculty and administrative staff, things are being managed. Best practice I Title of the Practice Conduction of value based employability skill development programmes

The Context: Employability skill development programme is widely considered instrumental in equipping new graduates with the required employability skills. The only technical subject knowledge and associated experimental studies cannot produce the good human being and responsible citizen. It is prime responsibility of any educational institute to inculcate the values and ethics in the students for their overall development and associated contribution towards society and country. Goals: 1. To make the students good human being. 2. To groom students for responsible citizen. 3. To develop professional ethics in the students. 4. To groom the students personality. The Practice: 1. Sending faculty members to various human values workshop/ refresher courses. 2. Organizing various personality development programs for students. 3. Organizing social awareness programs. 4. Implementing anti ragging rules. 5. Organizing gender sensitization based program. 6. Conducting of various cultural events. Evidence of Success: On monitoring the overall scenario of the college: 1. It is found that our students are more disciplined and cultured. 2. There is no

ragging case in our college premises. 3. Students are capable enough to organize various cultural events on their own without any indiscipline case. 4. The students are voluntary participating in various NSS activities. Problems Encountered and Resources Required: The time management is a major concern as lot of academic and non-academic activities are going in parallel. Crowd management in events is also a challenge, however with mutual coordination of students, faculty and administrative staff, things are being managed. Best practice II Title of the Practice Young Entrepreneurs The Context: This practice aims at training the UC/PG students in the essentials of conceiving, planning, initiating and launching an economic activity or an enterprise successfully. Goal: 1. To support and develop high-end entrepreneurship as well as self-employment by utilizing ST infrastructure and by using ST methods. 2. To facilitate and conduct various informational services relating to promotion of entrepreneurship. 3. To network agencies of the support system, academic institutions and Research Development (RD) organisations to foster entrepreneurship and self-employing using ST with special focus on backward areas as well. 4. To act as a policy advisory body with regard to entrepreneurship. The Practice: "Young Entrepreneurs" programme content includes class room training on essentials of entrepreneurship survey of the prevalent socio - economic scenario, identification of business opportunities, role and function as well as schemes of assistance offered by various constituents of the support system, preparation of a technically feasible and economically viable project report, Achievement Motivation Training and also the nuances of management of an enterprise. Sessions on technology and finance are also arranged, depending upon the nature of project selected. Special programmes are being conducted with more emphasis on linkages with RD institutions to take up projects based on indigenous technologies and services, in the area of high technology, such as leather, plastics, bio-medical equipment, high speed data communication and other emerging areas of technology. Evidence of Success: On monitoring the overall scenario of the college: 1. It is found that our students are attracted towards entrepreneurship programmes. 2. Students are capable enough to learn, initiate and run small organizations. 3. The students are voluntary participating in various entrepreneurship programmes Problems Encountered and Resources Required: The time management is a major concern as lot of academic and non-academic activities are going in parallel. Crowd management in events is also a challenge, however with mutual coordination of students, faculty and administrative staff, things are being managed.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://www.egspec.org/best-practices-2018-2019.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The key objective of our college is clearly pointed towards rural based education and development of the rural people at large. A value based education based on the curriculum of the University which combines with the core values attached for the improvement of the students. The institute which in the verge of completing 20 years, has a strong bonding with the local and rural people of Tamilnadu. The institute wishes to emerge as a Centre of Academic Excellence by providing students opportunities for teaching the subjects to earn the desired degree and also help them to gain knowledge and skills in subjects beyond the course to make the students ready for the present global job market and mould them to skilled professionals. The institute promotes innovation, research and development for the faculty and students. Some projects are identified and the

institute promotes and sponsors them to encourage their zeal towards research. Often the students come up with innovative ideas for startup which are funded by the Management through various lab equipment. For upgrading faculty skills the institution encourages and sponsors them for Ph.D., research, seminars, conferences. Publication of articles and papers and membership of professional bodies are supported by the Management. This has resulted in good number of publications to direct the institute to achieve its goal to become a centre of excellence. The institute also creates an enabling environment to foster research culture. The college makes information related to research and innovation available by circulating related notices. The institute organizes different activities to enhance the students' personality. Students are trained and groomed to enhance their Employability skills by imparting technical training, Soft skill, GD and Aptitude classes etc. to make the student, industry ready to face the current job market successfully. To upgrade their knowledge and enlighten them on the present trends of the technological advancements regular lectures by eminent professors and industrialists, seminars, workshops, quiz contests are conducted. Students who wish to pursue higher studies are given free GATE and competitive examination classes. Majority of students have emerged as a professionals of high level and they are pursuing successful career in various MNCs and corporate houses. Apart from the above activities our institute offers a best in class of Entrepreneurship Activities in different dimension to bring out the entrepreneurial talents among the students through frequent organizing of Entrepreneurship Awareness Camp with the support of Entrepreneurship Development Institute of India, Ahmadabad yearly. Some students have become entrepreneurs and established their own companies with the support of this cell. Also our institution gives priority to Co-curricular and Extra-curricular activities and physical activities, such as Sports, Cultural, Yoga, and Meditation etc.

Provide the weblink of the institution

<http://www.egspec.org/institutional-distinctiveness-2018-2019.pdf>

8.Future Plans of Actions for Next Academic Year

- The college will establish more number of UG/PG programs.
- The institution will introduce value added courses in the emerging areas to cater the need of the changing society.
- The institution will publish more number of patents.
- It will also acquire sponsored projects from the Government and reputed RD Agencies. Besides, it will get more consultancy projects.
- The college will develop entrepreneurship skills through EDC.
- The college will also sign more number of MoUs with Foreign/National Universities/Industries with a view to send students to abroad for their higher studies.
- The institution will have more number of doctorates in all the departments.
- The college will strive hard to get the NIRF rank within 100 in future.
- It will establish the Green renewable energy technologies in and around the campus to fulfill the requirements of the Society.
- In the conclusion, the institution will disseminate astonishing development in all aspects in a meticulous way.