



Yearly Status Report - 2019-2020

Part A

Data of the Institution

Part A	
Data of the Institution	
1. Name of the Institution	P . S . R . ENGINEERING COLLEGE
Name of the head of the Institution	B . G . Vishnuram
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04562239600
Mobile no.	9791438810
Registered Email	contact@psr.edu.in
Alternate Email	principal@psr.edu.in
Address	Sevalpatti (po), Sivakasi - 626140 Virudhunagar district, Tamilnadu State
City/Town	Sivakasi
State/UT	Tamil Nadu
Pincode	626140

2. Institutional Status																									
Autonomous Status (Provide date of Conformant of Autonomous Status)	01-Mar-2012																								
Type of Institution	Co-education																								
Location	Rural																								
Financial Status	private																								
Name of the IQAC co-ordinator/Director	Dr. P. Pitchipoo																								
Phone no/Alternate Phone no.	04562239600																								
Mobile no.	9841310110																								
Registered Email	iqac@psr.edu.in																								
Alternate Email	pitchipoo@psr.edu.in																								
3. Website Address																									
Web-link of the AQAR: (Previous Academic Year)	http://www.psr.edu.in/AOAR.php/AOAR%202018-19.pdf																								
4. Whether Academic Calendar prepared during the year	Yes																								
if yes,whether it is uploaded in the institutional website: Weblink :	http://psr.edu.in/Calendar%20Activities.php																								
5. Accrediation Details																									
<table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.54</td> <td>2014</td> <td>10-Dec-2014</td> <td>09-Dec-2019</td> </tr> <tr> <td>2</td> <td>A+</td> <td>3.28</td> <td>2021</td> <td>19-Apr-2021</td> <td>18-Apr-2026</td> </tr> </tbody> </table>						Cycle	Grade	CGPA	Year of Accrediation	Validity		Period From	Period To	1	B	2.54	2014	10-Dec-2014	09-Dec-2019	2	A+	3.28	2021	19-Apr-2021	18-Apr-2026
Cycle	Grade	CGPA	Year of Accrediation	Validity																					
				Period From	Period To																				
1	B	2.54	2014	10-Dec-2014	09-Dec-2019																				
2	A+	3.28	2021	19-Apr-2021	18-Apr-2026																				
6. Date of Establishment of IQAC	26-Mar-2014																								
7. Internal Quality Assurance System																									
Quality initiatives by IQAC during the year for promoting quality culture																									
Item /Title of the quality initiative by	Date & Duration		Number of participants/ beneficiaries																						

IQAC		
NIRF Submission	12-Jun-2019 1	0
AISHE Submission	05-Feb-2020 1	0
Webinar on Education 4.0 - The Future of Learning in the Pandemic World	22-May-2020 1	916
IQAC Meeting	18-Oct-2019 1	19
IQAC Meeting	15-Jun-2019 1	19
Lecture on Discover You in You	12-Aug-2019 1	196
Social Awareness Program on	12-Dec-2019 1	60
Awareness Program on Higher Education for Mechanica Engineers	12-Jul-2019 1	134
Career Opportunities in HR	30-Aug-2019 1	87
Career Opportunities in BFSI sector	21-Aug-2019 1	85
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
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

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 :	3
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)

- Submission of SSR for NAAC cycle II
- Organized a Webinar on webinar "Education 4.0 - The Future of Learning in the Pandemic World"
- Digitalization Initiative in Academic and Administrative Activities
- Drive for increasing the enrollment of Students
- Educational module preparation

No Files Uploaded !!!

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
Research Proposals	One per year per faculty
In-plant Training (min. duration one week)	One per student
Attending NPTEL / MOOC Courses	One per year per faculty
Publishing Papers in peer reviewed Journals	One per year per faculty
Attending FDP / Summer School / Winter School (min. one week)	One per year per faculty
Organizing FDP / Summer School / Winter School	One per year per department
Organizing Technical Symposium	One per year per department
Organizing Workshop to Students	Two per semester per department
Organizing Conference (National / International)	One per year per department
Organizing Guest Lecture to Students	Three per semester per department
View File	

14. Whether AQAR was placed before statutory body ?	Yes
---	-----

Name of Statutory Body	Meeting Date

Board of Management		26-Jun-2019	
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes		
Date of Visit	19-Aug-2016		
16. Whether institutional data submitted to AISHE:	Yes		
Year of Submission	2020		
Date of Submission	05-Feb-2020		
17. Does the Institution have Management Information System ?	Yes		
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Institution has an Automation System namely IBOSSEMS and a learning platform (Learn online). The objective of this practice is to improve the precision in the academic and administrative activities of the institute. The academic module has the features such as Students information, Attendance, Faculty profile, Time Table, Internal Examination related process like Course Outcome (CO) Program Outcome (PO) Program Specific Outcome (PSO) mapping, Mark entry, Report generation, Internal Mark calculation, External marks entry and assessment of CO, PO PSO. A separate module for library information system supports the library related activities like library book details and available volumes, issue and stock details etc., In the Administrative module the details of Fees paid, Faculty members on leave, the class exchange options will be available. The main aim of the implementation of automation is to reduce the paper works.</p>		

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	CS	Computer Science	29/02/2020

		and Engineering	
BE	EC	Electronics and Communication Engineering	29/02/2020
BE	EE	Electrical and Electronics Engineering	29/02/2020
BE	ME	Mechanical Engineering	29/02/2020
BE	CE	Civil Engineering	29/02/2020
BE	BM	Bio Medical Engineering	29/02/2020
BTech	BT	Bio Technology	29/02/2020
View File			

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	CS	06/04/2019	191CS54 - Artificial Intelligence and Machine Learning	03/06/2019
BE	EC	06/04/2019	Agriculture Electronics/v	03/06/2019
BE	EE	06/04/2019	191EEE02 - Wiring, Estimation and Costing	03/06/2019
BE	ME	06/04/2019	191MEE10-IoT for Mechanical Engineering	03/06/2019
View File				

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Bio Medical Engineering	03/06/2019
View File		

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	03/06/2019
BE	Electronics and Communication Engineering	03/06/2019

BE	Electrical and Electronics Engineering	03/06/2019
BE	Mechanical Engineering	03/06/2019
BE	Civil Engineering	03/06/2019
BE	Bio Medical Engineering	03/06/2019
BTech	Bio Technology	03/06/2019
ME	Computer Science and Engineering	03/06/2019
ME	Applied Electronics	03/06/2019
ME	Structural Engineering	03/06/2019
ME	Power Electronics and Drives	03/06/2019
ME	Engineering Design	03/06/2019
MBA	Master of Business Administration	03/06/2019

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
Android Programming	20/01/2020	49
Machine Learning using Python	06/01/2020	115
E-PLAN	10/02/2020	71
Ansys	02/03/2020	113
Total station and GIS	16/07/2019	86
Advanced Molecular Techniques	17/06/2019	28
Small Business Development	20/01/2020	47
View File		

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	Computer Science and Engineering	154
BE	Electronics and Communication Engineering	100
BE	Electrical and Electronics Engineering	88
BE	Mechanical Engineering	80
BE	Civil Engineering	96
BTech	Bio Technology	60
MBA	Master of Business Administration	96

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

Feedback formats for curriculum design and development was designed by IQAC and approved by Governing Council. The feedback for the existing courses are collected from different stakeholders such as students, teachers, employers, Alumni and parents regularly. The collected feedback forms were reviewed by the curriculum committee before the Board of Studies (BoS) every year. The curriculum committee consists of senior faculty members of the respective department headed by Head of the Department. The outcome of the curriculum committee was discussed elaborately in the BoS and the possible recommendations were forwarded to Academic Council. The Academic Council analyses the recommendations of the BoS and approve the feasible recommendations. These recommendations were incorporated in the curriculum.

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
BE	Computer science Engineering	120	251	118
BE	Electronics and Communication Engineering	120	240	118
BE	Electrical and Electronics Engineering	60	125	57
BE	Mechanical Engineering	120	213	108
BE	Civil Engineering	60	78	34
BE	Bio Medical Engineering	60	126	57
BTech	Bio Technology	30	48	25
ME	Computer science	18	21	17

	Engineering			
ME	Applied Electronics	18	21	18
ME	Structural Engineering	18	25	18
View File				

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
2019	1980	244	140	14	9

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
163	163	9	47	8	11

[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)

For a Class of about 60 Students, 3 faculty members as mentors are assigned. One of them acts as a Class Advisor, who coordinates the mentoring activities along with the other two members. Each faculty mentors are allotted a group of about 20 students. Mentors help the students to clarify their doubts and improve their technical aspects of the courses. Individual Record is maintained for each student where the following details are available • Personal Information • Educational Qualification • Residential Particulars • Scholarships Details • Academic Performance • Co-Curricular and Extra Curricular Activities • Details of Placement • Interactions with the Parents The mentors meet the students periodically and monitor their performance and their activities. Guidance regarding the lagging issues is provided. Meeting with the parents is conducted based on the requirements. The following mentoring systems are opted in our college Professional guidance • Monitoring regularity of the students monitoring. • Monitoring performance of the students. • Personal Counselling for Career • About 20 Students are assigned to a faculty member. The entire class of students is supervised by a faculty class advisor. • The parents of underperforming students are informed so in time over phone / SMS for correction and counselling. Students are encouraged to participate in competitions, present papers at various conferences symposiums Career advancement • Lectures about the personality development and also how to face the interview • Aptitude Test is conducted for the students both in Technical and General • Group Discussion is also encouraged to the students for to develop their leadership quality Course work specific • Members of faculty handling different courses interact with students in clearing all their Concept oriented and test based mechanics of the respective courses • Faculty members download the course material videos from NPTEL, YouTube etc., to fulfil the need of every student Laboratory specific • Each of the lab sessions are handled minimum by 2 faculty members in order to have special care for the students while experiments are being handled. • A demonstrative presentation is given by the teacher concerned before every experiment. • Laboratory Manual provides the step by step procedure for each experiment which would be an additional aid for the student to do the experiment once taught by the faculty. • Laboratory observation is to be written by the student and evaluated/verified by the faculty after every experiment is held. • The Laboratory records are evaluated at the next arrival to that class. Total development In addition to academics, literary, cultural and sports activities are conducted which offer leadership qualities, decision making abilities, team spirit, precision,

analytical capabilities, socio psychological awareness etc.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2224	163	1:14

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
163	163	Nil	30	41

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
2019	Dr. P. Marichamy	Dean	One of the Exemplary Academic Administrators of Higher Education Institutes across India by Academic Council of uLektz, Chennai
2019	Dr. P. Pitchipoo	Professor	One of the Top 50 Directors or Coordinators of IQAC across India Administrators of Higher Education Institutes across India by Academic Council of uLektz, Chennai
2019	Dr. P. Pitchipoo	Professor	Engineering Excellence Award 2019-20 (Category: Award for Outstanding Contribution to Education), ISIE India
2019	Mr. M. Venkadasubramaniyan	Assistant Professor	Topper - NPTEL course on Integrated Waste Management for a Smart City
2019	Dr B.Ganesh Kumar	Assistant Professor	IOP Outstanding reviewer Award, 2019, IOP publishing, USA.
2019	Dr.K.Valarmathi	Professor	Certificate of

			Appreciation for the DrishTI Online Contest Conducted by Texas Instruments.
2019	Mr. R. Arunkumar	Assistant Professor	Topper - NPTEL course on Introduction to Internet of Things
2019	Mrs. S. Rekha	Assistant Professor	Topper - NPTEL course on Consumer Behaviour
View File			

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 examination
BE	CS EC EE ME CE BM	Odd / 2019-20	10/01/2020	28/01/2020
BTech	BT	Odd / 2019-20	10/01/2019	28/01/2020
ME	CS AE SE PED ED	Odd / 2019-20	10/01/2020	28/01/2020
MBA	MBA	Odd / 2019-20	10/01/2020	28/01/2020
BE	CS EC EE ME CE	Even / 2019-20	28/09/2020	05/10/2020
BTech	BT	Even / 2019-20	28/09/2020	05/10/2020
ME	CS AE SE PED ED	Even / 2019-20	28/09/2020	05/10/2020
MBA	MBA	Even / 2019-20	28/09/2020	05/10/2020
View File				

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
43	2211	2

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://www.psr.edu.in/outcome.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage
----------------	----------------	--------------------------	--------------------	---------------------------	-----------------

			appeared in the final year examination	in final year examination	
ME-PED	ME	Power Electronics and Drives	9	9	100
ME-AE	ME	Applied Electronics	15	15	100
ME-CS	ME	Computer Science and Engineering	14	11	78.6
CE	BE	Civil Engineering	86	69	80.2
ME	BE	Mechanical Engineering	135	100	74.1
EE	BE	Electrical and Electronics Engineering	71	55	77.5
EC	BE	Electronics and Communication Engineering	100	87	87
CS	BE	Computer Science and Engineering	99	90	90.9
ME-SE	ME	Structural Engineering	17	15	88.2
ME-ED	ME	Engineering Design	9	8	88.9
View File					

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://psr.edu.in/stu_statifi_surv.php

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

Dr.R Rajeswari

[View File](#)

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
Major Projects	1095	AICTE	7.53	7.41
Students Research Projects (Other than compulsory by the University)	180	TNSCST	0.08	0.08
Any Other (Specify)	6	AICTC-STTP	3.64	3.64
Any Other (Specify)	6	AICTC-STTP	2.78	2.78
Any Other (Specify)	6	AICTC-STTP	3.37	3.37
Any Other (Specify)	12	AICTC- FDP	5.51	5.51
Any Other (Specify)	730	AICTE - MODROB	13.48	10.79
Any Other (Specify)	6	AICTC-STTP	3.07	3.07
Any Other (Specify)	1095	AICTE-SPDC	19.53	9.76
No file uploaded.				

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

0.14

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
Five Days FDP on Deep Neural Networks and Expert Systems	Electronics and Communication Engineering	20/05/2020
Big Data Analytics	Computer Science Engineering	12/07/2019

One day Seminar on Youth Empowerment Through Entrepreneurship	Civil Engineering	08/08/2019
Research Opportunities in Electrical Engineering and its Application	Electrical and Electronics Engineering	18/05/2020
Workshop on Nano biotechnology	Biotechnology	04/01/2020
One day workshop Awareness of Nondestructive Testing (NDT) for Mechanical Field	Mechanical Engineering	18/09/2019
Training Program on "Stock Market Mutual Fund"	MBA	04/10/2019
Seminar on Intellectual Property Rights	IQAC	12/07/2019
Workshop on Patent Drafting and Filing	III Cell	29/01/2020
View File		

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 Concrete Mix Design Award	Mr.L.Arun Raja	CADD Master 5C	22/10/2019	Teacher
Technical Excellence Award	Mr.S.Karthik Ragunath	Saanvi Construction Solution, Chennai	13/08/2019	Teacher
Best Safety Excellence Award	Mr.M.Dhivakar	MIT Solutions, Usilampatti	10/01/2020	Teacher
Software Battle	S.Parthiban	Kamaraj College of Engineering and Technology	05/03/2020	Student
ISTE Chapter - Best Student Award	V.Abarna	ISTE	18/12/2019	Student
Mobile App Development	A.Mano Ranjan S.Parthiban Manoj Kumar S.Balakumar	PSR Techno Hackathon	14/12/2019	Student
View File				

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
-------------------	------	--------------	----------------------	--------------------	----------------------

Ivita Software Solution	PSR Innovation and Incubation Center	PSR Trust	Ivita Software Solution	Software Development	03/01/2020
Silicon Harvest	PSR Innovation and Incubation Center	PSR Trust	Silicon Harvest	Software Development	03/06/2019
No file uploaded.					

3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer science Engineering	5
Electronics and Communication Engineering	3
Mechanical Engineering	3
Civil Engineering	2

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	Computer science Engineering	23	1.65
International	Electronics and Communication Engineering	23	1.67
International	Mechanical Engineering	16	1.64
International	Electrical and Electronics Engineering	8	1.59
International	Civil Engineering	6	2.44
International	Science and Humanities	4	1.52
View File			

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
Computer science Engineering	8
Electronics and Communication Engineering	60
Electrical and Electronics Engineering	11
Mechanical Engineering	6

Civil Engineering	8
Science and Humanities	1
Master of Business Administration	5
No file uploaded.	

3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Prefabricated Ferro-Foam Concrete Doors	Published	201941012315 A	29/11/2019
Prevention of Road Accidents using Smart Helmet	Published	201941004630 A	29/11/2019
Malware Detection and Classifications System	Published	201941045886 A	31/01/2020
Design And Development Of Smart Waist Belt For Visually Impaired Individuals	Published	201941029670 A	09/08/2019
Underwater Surveillance Robot	Published	201941001318 A	15/11/2019
Voter Face Recognition as a Verification System using RADON Transformation based Electronic Voting	Published	201941004424 A	15/11/2019
Novel Power Generator for Automobiles	Published	201941012314 A	15/11/2019
Bore well Rescue Robot	Published	201941001317 A	29/11/2019
View File			

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
An approach to enhance packet classification performance of software-	Valarmathi, K	Soft Computing	2019	4	P.S.R Engineering College	4

defined network using deep learning						
Development of Big Data Predictive Analytics Model for Disease Prediction using Machine learning Technique	C.Balasu bramanian	Journal of Medical System	2019	4	P.S.R En gineering College	4
Potential of Natural Fibers in Composites for Ballistic Applicatio ns-A Review	P. Amuth akkannan	Journal of Natural Fibers	2019	3	P.S.R En gineering College	3
Modeling, system ide ntificatio n and design of fuzzy PID controller for discharge dynamics of metal hydride hydrogen storage bed	Aruna, R.	Internat ional Journal of Hydrogen Energy	2020	3	P.S.R En gineering College	3
An approach by adopting m ulti-objective clustering and data collection along with node sleep scheduling for energy efficient	C. Balas ubramanian	Peer-to-Peer Networking and Applic ations	2020	2	P.S.R En gineering College	2

and delay aware WSN						
An efficient medical data classification using oppositional fruit fly optimization and modified kernel ridge regression algorithm	P. Marichamy	Journal of Ambient Intelligence and Humanized Computing	2020	1	P.S.R Engineering College	1
Energy-efficient multipath routing in networking aid of clustering with OGFSO algorithm	Valarmathi, K.	Soft Computing	2020	1	P.S.R Engineering College	1
Joining of AA 6061 /Ti-6Al-4V with zinc interlayer using friction welding process	P Shenbagavelu	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2019	1	P.S.R Engineering College	1
A Study on Tribological and Lubricant Behaviors of Al-Mg Alloy Incorporated with MoS ₂ Particulates	Pitchipoo P	Materials Research Express	2020	0	P.S.R Engineering College	Nil
Improved Hyper Elliptic Curve Cryptography with Hybrid Bat Algorithm for Tasks Replicatio	Ramathilagam.A	International Journal of Applied Mathematics and Information Science	2019	0	P.S.R Engineering College	Nil

n to Meet
Deadlines
in Clouds

[View File](#)

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
Trusted Sensing Model for Mobile Ad Hoc Network Using Differential Evolution Algorithm	K.Ruba Soundar	Information Technology and Control	2020	7	Nil	P.S.R. Engineering College
A Study on Tribological and Lubricant Behaviors of Al-Mg Alloy Incorporated with MoS ₂ Particulates	Pitchipoo P	Materials Research Express	2020	11	2	P.S.R. Engineering College
Decision making on the state of transformers based on insulation condition using AHP and TOPSIS methods	Rengaraj Madavan	IET Science, Measurement Technology	2020	7	Nil	P.S.R. Engineering College
Potential of Natural Fibers in Composites for Ballistic Applications-A Review	P. Amuthakkannan	Journal of Natural Fibers	2019	10	5	P.S.R. Engineering College
A hybrid spectrum sensing	P.Marichamy	Computer Networks	2019	6	6	P.S.R. Engineering College

approach to select suitable spectrum band for cognitive users						
HHFDS: Heterogeneous hybridized fuzzy?based Dijkstras multitask scheduling in WSN	C.Balasu bramanian	Concurrence and Computation-Practice and Experience	2019	5	1	P.S.R. Engineering College
An approach to enhance packet classification performance of software-defined network using deep learning	Valarmathi, K	Soft Computing	Nil	10	5	P.S.R. Engineering College
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1144	320	133	36
Presented papers	94	5	Nil	Nil
Resource persons	3	5	Nil	Nil
No file uploaded.				

3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Civil Engineering	Soil Test	JC Associates, Arupukottai	6000
Civil Engineering	Soil Test	S.Rani Uma, Headmistress, Union Primary School, Namachivayapuram,	6000
Civil Engineering	SPT Test	K.Singarani, Headmistress, Union	5000

		Primary School, Anbinnagaram	
Civil Engineering	Cube Compression test	Kumar Brothers Cement Trading, Malli	2000
Civil Engineering	Cube Compression test	Priyanka Constructions, Lake Area, Madurai	1500
Civil Engineering	Cube Compression test	Er.Aravind kumar, Narmatha Hospital site, Sivakasi	1500
Civil Engineering	Cube Compression test	Neomax Pvt. Ltd, Harshitha Hospital, Virudhunagar	1000
Civil Engineering	Cube Compression test	Lakshmi Shankar Spintex	1000
Civil Engineering	Cube Compression test	Vishnu Hitech Bricks N Blocks	750
Civil Engineering	Cube Compression test	Priyanka Constructions, Lake Area, Madurai	750
View File			

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
Dr.P.Karuppasamy / ECE	Comsol Simulation for Electronic Device Based Modelling	Waxwing automation Systems, Address: Thiruthangal, Sivakasi, Tamil Nadu 626130 Phone: 099945 56560	10000	15
Dr.R.Vinoth / ECE	MATLAB Image Processing Toolbox	Sofia Infology Address: 80, 2nd Floor, Yanaikkal, Madurai, Tamil Nadu 625001 Phone: 098421 73530	9000	20
Mr.P.Thiruselvan	PHP Training	Scintro Systems Inc Address: 2/477, Vembakottai Main Road, Sithurajapuram, Sivakasi, Tamil Nadu - 626189	15000	10

Phone: 04562
250 182 Mobile:
9677507797

No file uploaded.

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
Women Achievers Recognition Programme	WEC	13	392
Seminar on Personal Grooming	WEC	15	61
Women Empowerment Schemes	WEC	7	281
Life Skills Training Program	RRC	9	182
Awareness Program on Suicide Prevention	YRC	14	118
Seminar on Gender Sensitization	WEC	10	200
Blood Donation Camp	NSS	4	20
Temple Cleaning Camp	NSS	5	50
One Week Camp	NSS	14	50

No file uploaded.

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
One Week Camp	Recognition	Alamanaicker Patti Village Panchayat	50
Blood Donation Camp	Appreciation	Arthi Hospitals, Tirunelveli	50

No file uploaded.

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/Agen cy/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Women Empowerment	WEC - PSREC	Seminar on Personal	15	61

Schemes		Grooming		
Women Empowerment Schemes	WEC - PSREC	Women Achievers Recognition Programme	13	392
Women Empowerment Schemes	WEC - PSREC	Awareness Program on Covid-19	7	281
Women Empowerment Schemes	WEC - PSREC	Life Skills Training Program	9	182
Women Empowerment Schemes	WEC - PSREC	Workshop for Girls on Self Defense	12	120
Women Empowerment Schemes	WEC - PSREC	Awareness Program on Suicide Prevention	14	118
Women Empowerment Schemes	WEC - PSREC	Seminar on Gender Sensitization	10	200
Swachh Bharat	NSS	Plastic Cleaning	4	100
Anti-dengue campaign	NSS	Dengue Awareness program	4	20
No file uploaded.				

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
Joint Research	Dr. P. Marichamy	P.S.R Engineering College	150
Joint Research	Dr. K. Valarmathi	P.S.R Engineering College	150
Joint Research	Dr.P.Ranjith Kumar	P.S.R Engineering College	150
Joint Research	Dr. P.Karuppasamy, Dr. R. Vinoth	P.S.R Engineering College	50
Joint Research	Dr. K.Ruba Soundar	P.S.R Engineering College	100
Joint Research	Dr. C.Balasubramanian	P.S.R Engineering College	100
Joint Research	Dr. H. Kanagasabapathy	P.S.R Engineering College	100
Joint Research	Dr. P. Pitchipoo	P.S.R Engineering College	150
Joint Research	Dr. R. Madavan	P.S.R Engineering	100

		College	
Joint Research	Dr. S. Anbarasi	P.S.R Engineering College	50
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	Internship	Sundar Construction, Coimbatore	14/02/2020	21/02/2020	6
Industrial Visit	Industrial Visit	Vikram sarabhai Space centre, Thiruvananthapuram	23/08/2019	24/08/2019	64
Industrial Visit	Industrial Visit	Kerala Electrical Allied Engineering Co.Ltd, Mamala P.O., Kochi-682305	05/09/2019	05/09/2019	94
Industrial Visit	Industrial Visit	BPL Telecom Private Limited, Central Test and Repair Center, No.II /2386,BPL Works, Second Gate, Kootupatha, Palakkad-678007	31/08/2019	31/08/2019	57
Internship	Internship	Worksbots Applications Pvt.Ltd , Chennai	15/06/2020	24/06/2020	10
Internship	Internship	Techvolt Software Pvt.Ltd 28,Thacil Centre, 2nd Floor, Raja Annamalai	19/11/2019	10/12/2019	9

Road,
Saibaba
Colony, Coim
batore-64101
1

[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
M/S Voltech Engineering Pvt Ltd, Chennai	14/02/2020	Placements, Internship, raining and workshop	10
M/S Shree Abirami Engineering Works Pvt Ltd, Chennai	14/02/2020	Placements, Internship, Training	15
Ivita Software Solution	16/10/2019	Placements, Internship, Training and workshop	18
CRUTCH-TRUST (Centre for Rights and Unity Transformation for child and Health	02/03/2020	Research and Extension activities	99
Aravindh Herbal Lab (P) Ltd	02/03/2020	Research and Extension activities	99
No file uploaded.			

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
300	255

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Newly Added
Seminar Halls	Newly Added
Classrooms with LCD facilities	Newly Added
Classrooms with Wi-Fi OR LAN	Newly Added
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased	Existing

during the year (rs. in lakhs)	
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
No file uploaded.	

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	Fully	V3.1	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	31343	6963700	824	308378	32167	7272078
Reference Books	5724	2863645	206	77094	5930	2940739
Journals	122	132750	49	36200	171	168950
CD & Video	3660	Nil	24	Nil	3684	Nil

No file uploaded.

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
Dr. B.G.Vishnuram	Assessment Procedures of Repair Structures	PPT, Video	06/01/2020
Mr. D. Sriram	Calculus	PPT	10/09/2019
Mr. K.Sundaramoorthy	Parts of Speech	PPT, Video	10/06/2019
Ms. M. Indhumathy	Boiler Feed Water	PPT, Google Class Room	14/08/2019
Dr.A.Ramathilagam	High Speed Networks	Google Class Room, PPT, Video	06/11/2019
Mrs.M.Piramu	Advanced JAVA Programming	Google Class Room, PPT, Video	06/11/2019
Dr. S. Suresh Kumar	Chemical Reaction Engineering Chemical Engineering thermodynamics	Google Class Room, PPT, Video	11/03/2020
Dr.P.Pitchipoo	Fire Works Safety	PPT, Google Class Room	25/11/2019

Dr. S.Anbarasi	Silicon Controlled Rectifier	PPT, Google Class Room, Youtube	16/11/2019
Dr.P.Karuppasamy	Industrial IOT Design	PPT, Google Class Room, Youtube	15/11/2019
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	567	7	1	1	1	8	7	105	0
Added	255	0	0	0	0	0	0	0	0
Total	822	7	1	1	1	8	7	105	0

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

105 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
HD Camera , White Board , Audio /Video System	http://psr.edu.in/lcs.php

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
150	142	103	110.5

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 institutional Website)

PSREC has Electrical Maintenance Cell, Computer Maintenance Cell, Building Maintenance Cell, Mechanical Maintenance Cell to take care of routine checkups and maintenance. Regular inspection is done by the respective in-charges and informed to the HODs. Complaint registers are maintained for maintenance in the respective departments. Minor repairs are carried out by in-house technicians and staff. Major maintenances are outsourced. Routine cleaning of premises by sanitary workers. Removal of Obsolescence (Furniture, Equipment, Teaching Aids etc.,) is regularly done. In library proper housekeeping procedure is followed. Bound volumes are not to be sorted out from their fore edges. Shelves should not be fully packed. Dust should not be allowed to deposit on the documents. Proper pest management is done to minimize the problems caused by insects. Effective utilization of seminar halls and auditorium for organizing academic meetings, seminars, conferences and cultural events is made. In our college, the Computer Maintenance Cell and its support staff maintain the ICT facilities including computers and servers. The annual maintenance includes the required

software installation, antivirus and up gradation. To minimize e-waste, electronic gadgets like projectors, computers, printers, photocopiers are serviced and reused. Standard operating procedures for all high end equipments are made available to the users. In- campus users register in the log books and are responsible for the safe handling of the equipments. Breakage and repair if any, are reported to the Head of Department or the concern Lab in-charge as the case may be and suitable measures are taken for speedy functioning of the equipment. Breakage of glassware intended for use by students is entered and charges levied based on the cost of the equipment payable by the students at the end of the year. The sports equipments, fitness equipments, ground and various courts in our college are supervised and maintained by the Physical Director. Expensive equipments in the fitness lab are maintained through Annual Maintenance. Ground level maintenance is done annually during vacation in addition to the seasonal maintenance done in once in every three months. Annual stock checking of furniture, lab equipment, stationery, ICT facilities, sports items and all assets and reporting of repairs is done by faculty member from other departments assigned by the Principal as a year ending activity and the consolidated report is submitted to the administration to take up necessary actions if required. The effluent treatment plants and rain water harvesting systems are maintained by the civil engineer and support staff. The maintenance of equipment for water pumping plants, sewage, elevators are undertaken as per their preventive maintenance schedules and guidelines by the equipment supplier. The campuses are equipped with 24/7 safe and adequate drinking water supply using water plant under Annual Maintenance. Fire extinguishers are installed in various blocks and are maintained by the respective departments with the support of the civil engineer. Garden, the orchards, solar panels, rainwater harvesting systems, are maintained by the gardeners every day and frequently by the National Service Scheme volunteers as a service activity.

www.psr.edu.in

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	PSR Educational Trust Scholarship	481	4140000
Financial Support from Other Sources			
a) National	First Generation Graduates, BC/MBC/DNC Scholarship, Post Matric Scholarship	1091	36904810
b) International	Nil	Nil	Nil

[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
Personal Counselling/Mentoring	26/06/2019	1800	PSREC
Yoga and	21/06/2019	1500	PSREC

Meditation			
Bridge Course	19/08/2019	518	PSREC
Language Lab	03/06/2019	939	PSREC
Remedial Coaching	02/08/2019	412	PSREC
Career Counselling	23/09/2019	1456	Ethnotech, Bengaluru
No file uploaded.			

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	Competitive Examination and Career Counselling	1551	580	9	480
No file uploaded.					

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
2	2	5

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
List Given in attachment	521	490	Nil	Nil	Nil
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
2020	5	B.E., Mechanical Engineering	Mechanical Engineering	P.S.R Engineering College	M.E., Engineering Design
2020	1	B. Tech., Bio-Technology	Bio-Technology	SASTRA deemed University,	M. Tech., Bio-Technology

				Thanjavur.	
2020	1	B. Tech., Bio- Technology	Bio- Technology	MEPCO Schlenk Engineering college, Sivakasi	M. Tech., Bio- Technology
2020	1	B. Tech., Bio- Technology	Bio- Technology	VIT, Vellore	M. Tech., Bio- Technology
2020	3	B.E., Electronics and Communic ation Engineering	Electronics and Communic ation Engineering	P.S.R Engineering College	M.E., Applied Electronics
2020	1	B.E., Electrical and Electronics Engineering	Electrical and Electronics Engineering	P.S.R Engineering College	M.E., Power Electronics and Drives
2020	1	B.E., Civil Engineering	B.E., Civil Engineering	CIT, Coimbatore	M.E., Envi ronmental Science and Engineering
2020	5	B.E., Civil Engineering	B.E., Civil Engineering	P.S.R Engineering College	M.E., Structural Engineering
2020	4	B.E., Computer Science and Engineering	Computer Science and Engineering	P.S.R Engineering College	M.E., Computer Science and Engineering
No file uploaded.					

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
Any Other	9
View File	

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

Activity	Level	Number of Participants
EEE Department - "GRALITZ 2K19"	National level	180
Inter-Collegiate Management Meet For PG - Talunt 2K20	National level	120
Intra-Collegiate Management Meet Quest'20	National level	410
Mechanical Department - "Dynamech"	National level	320
CSE Department -"Fibondrome 2020"	National level	300

Pongal Celebration	College level	370
Women's day celebration	College level	620
Bio Tech Department - "Bioloire'20"	National level	90
Civil Department - "Civizta - 20"	National level	230
Sports events (44 Number of sports events)	College level	630
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
2019	First Position (100 Mts)	National	1	Nil	1607065	P.Vignes hwaran
2020	First Position (4x100 MTS Relay)	National	1	Nil	1606314	S.Jayaram
2020	Second Position (100 MTS Hurdles)	National	1	Nil	19CS058	P.Muthukumar
View File						

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

The institute believes is giving opportunity to the students in supporting the authorities and the institute for its effective functioning. For this, opportunities are provided to participate in the various academic and administrative bodies. The various academic and administrative bodies and their activities which have student representations on them are: Class Committee, IQAC, BOS, Academic Council, Anti-Ragging Committee, Association in-charges, sports committee, hostel committee etc., , The goal of the Class Committee is to improve the teaching learning process. The functions of the class committee include: Resolving difficulties experienced by the students in the classrooms, laboratories and Informing the academic schedule including the dates of assessments and the syllabus coverage for each assessment. IQAC Student representatives are nominated for this cell who involves in the decisions regarding the quality initiatives of the institute. Anti-Ragging Committee Student members assist the institution in implementing rigid anti ragging measures so that the institution becomes ragging free campus. Three students selected as a member from each department. The student member of Grievance and Redressal Cell raise grievances in the following aspects Such as Internal and External assessment, Complaints against treatment of Teaching and Nonteaching staff, Complaints against peer's eve teasing and ragging, Complaints about facilities in the college, Grievances against the conduct of intra and inter collegiate games and sports. Sports Committee Student representatives give valid suggestions towards the sports activities within the institute. Training

and Placement Cell motivates the students to develop Technical knowledge and soft skills in terms of career planning, goal setting etc. Also arrange training programs for the students to get placed in various companies. A student member from each year is nominated as the member of the committee. The students communicate to the concerned authorities to take active interest in general welfare of the students residing in the hostel and assist the Council of Wardens in maintaining the basic amenities and mess. Department Association provides the practical exposure to the students, through regular activities like technical seminars, symposium, and talks on ongoing research practices from distinguished practitioners in the industry. Student members from each class actively take part in the hosting of events. One student representative from UG, PG and Alumni take part in BOS in the revision and updating of syllabi and be submitted to the Academic Council for approval. In Academic council Two meritorious student members are nominated in rotation across all branches /degree programmes once in a year. During the Academic council meeting students' opinion about the curriculum revisions, content delivery, assessment and amendments in regulation are considered. Library committee Student representatives are nominated to the library committee addresses the issues of proper utilization of resources and services, Maintenance, issue of library books and project reports. Sexual Harassment Redressal committee It promotes asocial, physical and psychological environment that will raise awareness about and deter acts of sexual harassment of women. Two Girl Students are nominated from each year for the Conduction of Women empowerment, health awareness, first aid training, Contests and Gender equity awareness programs etc.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

P.S.R. Engineering College Alumni Association has started in the year 2003. It was registered as per the act Tamil Nadu Societies Registration act 1975 under the Registrar of society, Virudhunagar (Ref. SL.No.:358/2018). The main objectives of the association are to promote contact and communication amongst members of the Association and between the association and the College and other academic bodies/ organizations and to provide a forum for the members of the Association for exchange of experience, information and views. To Assist students and scholars of the college and members of the association in their academic pursuits and professional careers and to take up any other activity in furtherance of the objectives stated above. To hold meetings, Conference, etc., and organize lectures and social gatherings to publish souvenirs, newsletters and occasional reports and notifications to institute scholarship, prizes etc., to raise funds from its members and other individuals and organizations to frame rule and regulations, and modify or rescind the same from time to time and, to take up any other activities that may be consistent with the objectives of the association. Thiru R.Solaisamy, Correspondent ,P.S.R.Engineering College, Sivakasi act as a patron of Alumni Association, Mrs .S.Vigneswari Solaisamy, Director of P.S.R.Engineering College, Sivakasi Presided over the Alumni Association, the role of Secretary played by Mrs.R.Ramani, Associate Professor, Department of Computer Science Engineering, Mr.S.Sivakumar, Assistant Professor, Department of EEE stands in the position of Joint Secretary, Dr. R. Kasi Raman, Associate Professor, Department of Management Studies withholds the responsibility of Treasurer and Dr.C.Balasubramanian, Professor, Department of Computer Science Engineering, Mrs.K.Ramalakshmi, Associate Professor, Department of ECE, Mr.M. Ramar, Assistant Professor, Mrs.A.Dhanalakshmi, Assistant Professor, Dr.N.Janakiraman, Professor, Department of Electronics and Communication Engineering, K.L.N college of engineering, Madurai, Mr.K.Venkateswaran, Software Engineer were played the role of executive committee members of Alumni Association. In Every board of

studies meeting, Alumni of respective departments were participated for enhancing the department curriculum and syllabus. Mr. Ashok Babu, Managing director, Airlet software, Mr. K .Venkatesh, Application Developer, Mr. R. Jai Kumar, Test lead EDM Testing, Mr. Balakrishnan, Technical Manager, Thryve digital Health, Chennai, Mr. P. Vignesh Senior Quality Analyst, Thomson Reuters for CSE, Mr. C. Jegan, CEO, Waxwing Automation System Mr. M. Muneeswaran, Matrix Automation Solutions for ECE, Ms. G. Manju, Assistant Engineer, TNEB, Mr. M. Kannan Assistant Engineer, TNEB for EEE, Mr. M. G. Karthih, Research Assistant in Sathyabama institute of Science and Technology for Bio - Tech, Dr. SelvaBharathian- MECH, Mr. L. Gokulnath - CIVIL, Mr. V. Sankaranarayanan - MBA these alumni's are act as an alumni nominee for Board of Studies meeting held at every year. And Also the Alumni's gave their valuable contribute in terms of both Financial and non-Financial Contribution. The Financial Contribution of alumni in the year 2019-2020 was Rs: 7,01,000 and Non - financial Contribution like Guest Lecture, Seminars, Workshop Conducted by every department with respective alumni.

5.4.2 – No. of registered Alumni:

636

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

701000

5.4.4 – Meetings/activities organized by Alumni Association :

Executive Committee Meeting at PSREC on 12.09.2020 PSR Techno HACKATHON at PSREC on 12.12.2019 13.12.2019 and Alumni Meet - 2019 on 15.02.2020

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 institution functions in a decentralized manner with transparent mechanism in all its activities and decisions. A well-defined policies and procedures are in place to ensure transparency in various activities of academic, research and administration. The Board of Management (Governing Council) takes policy decisions, formulates/amends rules and regulations, strategy planning, delegation of powers and responsibilities. The Academic Council and Board of Studies carry out specified functions and responsibilities as per the guidelines of the regulatory / statutory bodies. Principal ensures the smooth functioning of the institution with the support of Deans and head of the departments. The Dean-Research and controller of examination coordinate research and examination related activities, respectively. At the department level, program coordinator looks their respective programs with the assistance of the faculty members. Faculty incharge of the classes conduct class committee meeting periodically to interact with the students and receive their feedbacks and grievances. There are other committees functioning in the institute such as Press and Publicity, Library, Standing, Selection, Finance, Hostel, IIIC, ISTE, IETE, YRC, RRC, NSS, EDC, Sports and IQAC. Case study : Academic Activities during COVID-19 Pandemic period The COVID- 19 pandemic situation is threatening throughout the world and affects the academic activities of the institution .

The Institution obeys the orders given by for both state and central government. During this period, IQAC of the Institution proposed to conduct online classes for students and also the faculty members should attend or organize faculty development programme(FDP)/ STTP/ webinar/Online courses. The management approved the request by the IQAC and implemented immediately. There are more than 1600 (FDP)/ STTP/ Online courses were attended by the faculty

members.

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
Admission of Students	There are two Quotas for Admission: • Government Quota • Management Quota For Admission under the Government Quota have to follow the Directorate of Technical Education (DOTE) . Tamil Nadu Engineering Admissions 2020 (TNEA) is a complete online process includes Registration, Payments, Choice Filling, Allotment and Confirmation. The following processes are mode during the counseling. • Application Registration • Uploading original certificates Verification • Rank list • Counselling Payment • Choice filling • Allotment Management Quota Application for admission to a course under Management Quota is made through consortium of self-financing Arts Professional Colleges in the prescribed form, which will be sent along with the prospectus
Industry Interaction / Collaboration	MoU's have been signed with leading organizations ? Ethnotech Academic Solution, Bengaluru , ? BSNL, ? Uniq Technologies , Tirunelveli, ? Waxwing Technologies, ? Aarthi Scans and ? National Institute of Wind Energy (NIWE), Chennai ? Karvy Stock Broking Limited Consultancy Internship Value added courses Guest lectures Field projects
Human Resource Management	? Necessary competent staffs are recruited for carrying out various functions in the college. ? Recruitment of faculty and staff are based on the guidelines provided by Anna University and AICTE. ? There are many staff welfare schemes namely EPF, Group insurance, Transport and ESI ? Biometric Attendance system is practiced for all faculties and staff of the institution. ? Organizing Developmental training programme and workshops/seminars for enhancing the multi-skills of faculties. ? Incentives are given to the Faculties for their contribution in research. ? Self-appraisal system has been followed to assess the performance of faculties.

<p>Examination and Evaluation</p>	<p>? Examination management with 'iboss' automation system ? Question paper preparation as per Bloom's Taxonomy to attain cognitive skills ? Auditing of question papers and Answer scripts. ? Dummy Numbers for Answer scripts ? On-line results declaration ? Answer paper going through before revaluation ? Supplementary Examination at weekends during semester ? CCTV facility for safety and security of the COE office ? Photo copier machine interfaced with computer ? Printers for printing A3 A4 size for mark sheets ? During COVID 19 pandemic duration, Online Assessment Test and end semester examination were conducted to students.</p>
<p>Curriculum Development</p>	<p>The Institution has implemented new regulation R2019 for both UG and PG programme from the academic year 2019-20 onwards. ? Curriculum Committee comprises senior faculty members from the department headed by HOD ? For Curriculum development, the following are considered: • Vision and mission of the Institute Department • Programme Outcomes • Program Specific Outcome • Model Curriculum of AICTE parent University • Feedback from the stakeholders ? Preparation of draft curriculum and syllabi ? Scrutiny and initial approval by the Board of studies. ? Then final review and approval by the Academic Council. ? Periodical review / need for upgradation</p>
<p>Teaching and Learning</p>	<p>The IQAC reviews the assessment of teaching learning outcomes through course end survey which is collected after the completion of each courses. Course Outcome, Program Outcome and Program Specific Outcomes are assessed as per the guidelines given in the evaluation manual. The following innovative processes are adopted by the institution in Teaching and Learning • Video lecture preparation through E-Content Development centre • ICT Enabled Class rooms Smart Class room • E-learning resources from NPTEL and other resources • Seminars, workshops, guest lectures, and value added courses • Project based learning • Youtube lectures Google Class Rooms • In-plant Training, Internships and Industrial Visits</p>

<p>Research and Development</p>	<ul style="list-style-type: none"> • Incentives for faculty for receiving external research grants. • Cash incentives for writing technical literature Books. • Cash incentives for research publications in refereed National/ International journals. • Financial assistance to faculty for presenting technical papers in national, international conferences / workshops / FDPs / Seminars. • Continuous augmentation of Centers of excellence/Research labs with state of art equipment and software. • Supporting measures for patent filing. <p>Attainments:</p> <ul style="list-style-type: none"> • Rs. 4.1 lakh incentives to faculty members • 22 scholars awarded Ph.D • 88 publications in peer reviewed journals • 18 patent were filed and published • Rs. 45 lakhs worth funded projects
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>? The college boasts a well-stocked and digitalized central library with college and department-wise division to ensure easy, quick and efficient access to desired data. ? IBOSSEMS OPAC online access system have been employed in library. ? Provide access to e-journals such as IEEE, Springer, Science Direct, DELNET, NMEICT and N-list ? The Librarian helps the departments to purchase the latest edition of the books as per the requirement of the faculties. ? Every department has individual air-conditioned seminar hall, smart classes with LCD projector, system with internet connection ? Video Lecture capturing system facilities are available</p>

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

E-governance area	Details
<p>Finance and Accounts</p>	<p>The college conducts regular audit of annual books of accounts. The administrative office keeps the all financial records separately as per the events and transactions made for. The administrative office maintains the Books of Accounts properly which helps in auditing procedure. The following details are maintained by the Accountants</p> <ul style="list-style-type: none"> • College , Bus and Hostel Fees Payment through Bank Account transfer • Remuneration towards conduct of Examination • Expenditure towards functions and various activities. • Student's Scholarship details • Fund received form Government and Non-

	Governmental Organisation • Faculty's Salary Details • Other Administrative Expenses
Planning and Development	E-governance may be understood as the performance of this governance via the electronic medium in order to facilitate an efficient, speedy and transparent process of disseminating information to students, faculty and other stake holders community. The following major functionales are developed under e-governance 1.College Website portal 2. Staff Leave entry through online 3. Dissemination of College related activities through various medias like Whatsapp, Facebook, twitter and Instagram 4. ICT enabled technology for faculty members and students 5. Examination results intimation to parents through SMS
Administration	The e-Governance in Administration shall be primarily responsible for computerization of all academic, financial and administrative activities related with the College, AICTE, AISHE, UGC , Anna University and any other government agency. The Administrator shall coordinate the data collection and uploading activities by preparing and observing the prescribed schedules. The responsibilities functions shall be including the followings. • Updating of College Website • Preparation of required formats for students and faculty members and also maintaining the data collection from students, faculty members , Controller of Examination and Scholarships • Develop code of conduct for various stakeholders for effective administration and ICT enabled services
Student Admission and Support	Tamil Nadu Engineering Admissions (TNEA) is completely online - Registration, Payments, Choice filling, Allotment and confirmation. Candidates have to register their applications online, submitting all the required details and fee, have the certificates verified through TNEA Facilitation Centre (TFC), give their preferred choices online during the specified period, get their allotment confirmed and get the allotment order online. The entire Counselling procedure consists of various steps as given below: 1. Filing of application 2. Random Number Generation (by TNEA Authority) 3.

Certificates Verification at Designated TNEA Facilitation Centre. 4. Rank Publication (by TNEA Authority) 5. Payment of Initial Deposit 6. Exercising the choices of institutions and Branches 7. Publication of Tentative Allotment on a notified date (by TNEA Authority) 8. Confirmation of allotment option by the candidates 9. Final allotment of institution and branch (by TNEA Authority) 10. Finally reporting to the allotted Institutions at specified date.

Examination

Being an Autonomous institution, it is mandatory to handle examination in online manner. The ibossems software has the following features like filling of examination forms, revaluation forms, photocopy forms, obtaining hall tickets, receiving of examination papers, uploading of marks, etc. everything has to be done in online manner. Utmost secrecy and confidentiality needs to be maintained while handling examinations and work needs to be done utmost care and caution. Controller of Examination supervises the entire process of examination under the guidance of the Principal of the college. e-governance in areas of operations are implemented in the year 2012 with GEIS software. Then the operations are expanded by the 'ibossems' software.

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
2020	D.Arun Shunmugam	Five Days Hands On Workshop On "Patent Searching, Drafting And Filing" (Online Mode) Panimalar Institute Of Technology In Association With Turnip Innovations And Exilyze Intellectual	Panimalar Institute Of Technology	3000

		Services ,Ieee Computer Society Computer Society Of India.		
2020	Mr.N.S.YogaAnth ,	One Week FDP in Cyber Security	Visveswaraya College of Engineering, Bangalore University	5000
2019	Ms.M.Vimala	One Week FDP in Cyber Security	Visveswaraya College of Engineering, Bangalore University	5000
2019	Ms.P. Lingeswari	One Week FDP in Cyber Security	Visveswaraya College of Engineering, Bangalore University	5000
View File				

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)
2020	Engineering Failure Analysis	Nil	20/01/2020	20/01/2020	27	Nil
2020	FDP on Research Opportunities in Electrical Engineering and its Applications	Nil	18/05/2020	23/05/2020	25	Nil
2020	FDP On Virtual Teaching	Nil	20/04/2020	21/04/2020	55	Nil
2020	Evolution of Teaching Learning Process . Post COVID	Nil	11/05/2020	15/05/2020	68	Nil

	19					
2019	AICTE sponsored STTP on Emerging trends in data migration and wearable computing aspects of IOT	Nil	09/12/2019	14/12/2019	50	Nil
2019	First aid training	Nil	03/08/2019	03/08/2019	Nil	32
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
FDP on "Instructional design and delivery system"	126	04/11/2019	09/11/2019	6
One week FDP on Outcome Based Education	114	11/05/2020	16/05/2020	6
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
28	28	4	4

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<ul style="list-style-type: none"> • Employees Provident Fund (EPF) to employees • Group Insurance • Concessional transport facility to faculty members • Casual, Maternity and Medical leaves • Priority in admission and fee concession • On-duty leave for attending FDPs • Financial support for attending conferences/wor 	<ul style="list-style-type: none"> • Employees Provident Fund (EPF) to employees • ESI facility • Group Insurance • Free transport Casual, Maternity and Medical leaves • Priority in admission and fee concession • On-duty leave for attending Workshop/seminar • Financial support for attending conferences/wor 	<ul style="list-style-type: none"> • Merit Scholarship • Fee concession and free transport for economically low background students • Onduty for attending workshop/seminar/symposium • Financial support for best projects • Group Insurance • Cash award for winning national level competition

kshop/seminar • Incentives for publications in impact factor journals • Incentives for publication of books and book chapters • Cash awards for achieving highest pass percentage • Sports and Gym facilities. • Bank of India branch with ATM facility in the campus. • Annual picnic and festival gift through staff club • Free over coat for female faculty members • Festival advance

kshop/seminar • Sports and Gym facilities. • Bank of India branch with ATM facility in the campus. • Annual picnic and festival gift through staff club • Free uniform • Festival advance

6.4 – Financial Management and Resource Mobilization

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

• Utilization and execution of the budget is monitored through internal and external auditing. • Internal audit is conducted half yearly basis and external audit is conducted annually by External Auditor (chartered accountant) at the end of every financial year. • The consolidation of the findings of the Institution has been completed and the annual returns have been submitted to Income Tax Authorities, Registrar of Societies, Tamilnadu and other relevant authorities concerned by External Auditor. • Financial planning and review is done regularly by the Finance Committee. • Finance Committee meets twice a year and reviews the fund utilization by the college and department level activities and suggest further action plan. • Depending on the demand and requirement, the finance committee allows to spend more than the budget allocated. • The received government funds are audited by the respective government auditors by verification of documents and the disbursal of the scholarships such as post metric scholarships, backward community scholarship and first generation graduate scholarship to the students. • Financial section of the college maintains record of every online financial transaction

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
Alumni Contribution	801000	Developmental Activities
No file uploaded.		

6.4.3 – Total corpus fund generated

0

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	Dr P. Karthikeyan Professor/CSE, Anna University Reginal Campus Madurai. Dr. R. Rajkumar Professor / Mechanical Mepco Schlenk Engineering College, Sivakasi.	Yes	IQAC Cell
Administrative	Yes	Chartered Accountant	Yes	IQAC Cell

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

Parent Teacher Association meeting is conducted periodically to know about the students' progress. The meeting is a platform to offer suggestions for further improvement and development of the students. The parents get an opportunity to interact with the faculty advisors and heads of the departments to know about their ward's performance and study. The faculty advisors and other faculty members are often in touch with the parents. Additionally, when there is a disciplinary problem or if there is poor performance in the examinations, the parents are contacted over the phone and counselling is held with parents. The parents were participated in the following programmes • Parent Teacher Association was inaugurated by Mr.T. Ragunath, Psychiatrist and Motivational Speake • Centre for Excellence Inauguration • Placement Day and Graduation Day Celebration

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

Basics of computer software installation and training on MS OFFICE , Basic Communication Skills, Electronics and Mechanical equipments servicing and maintenance, Support for their Higher Education through Part time mode.

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

• Centre for Excellence with Google, Microsoft, IBM, Texas Instruments, Bentley ,Autodesk and e-Plan • Increased use of ICT-assisted teaching-learning methods
• Increased Eco friendly Green Campus • Center of Excellence in IOT and Robotics, Incubation center, Business Analytics lab, and Central Instrumentation and fabrication Lab. • Conduction of End Semester Examination through online mode. • Attended more number of online FDP/Workshop/Seminar/ Conferences through online

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
2020	Women	24/01/2020	24/01/2020	24/01/2020	900

	Empowerment Cell - Health and Hygiene				
2020	Well being of technical students Guidance and counselling skills for Teachers	17/02/2020	17/02/2020	17/02/2020	1800
No file uploaded.					

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
Seminar on Gender Sensitization	22/06/2019	22/06/2019	119	81
Awareness Program on Suicide Prevention	11/09/2019	11/09/2019	54	64
Workshop for Girls on Self Defense	07/10/2019	07/10/2019	83	37
Life Skills Training Program	03/12/2019	03/12/2019	84	98
Awareness Program on Covid-19	18/02/2020	18/02/2020	194	87
Women Achievers Recognition Programme	11/03/2020	11/03/2020	392	Nil
Seminar on Personal Grooming	09/04/2020	09/04/2020	33	28

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
27.3

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	Yes	3
Rest Rooms	Yes	3
Special skill development for differently abled students	Yes	3

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
2019	1	1	25/09/2019	1	An awareness program on "Prohibition of Child Labour	Social Awareness	120
2019	1	1	18/12/2019	1	"Swachh Bharath" Clean India Program	Social Awareness	40
2020	1	1	22/01/2020	1	Awareness program on "Road Safety	Social Awareness	235
No file uploaded.							

7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Professional Ethics in Engineering	01/07/2019	Course in UG Curriculum offered as open Elective
Managing Human Resources	01/07/2019	Course in UG Curriculum offered as open Elective
Students Handbook	01/07/2019	Reviewed and Revised Annually

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Peace Day	20/09/2019	20/09/2019	430
International day of Non-Violence	05/10/2019	05/10/2019	310

Management Kolu in Navarathri	06/10/2019	06/10/2019	100
National Unity Day	31/10/2019	31/10/2019	520
National integration day	18/11/2019	18/11/2019	375
Bhagavad Gita Discourse	09/12/2019	09/12/2019	65
Essay and Poetry Competition on Mahakavi Bharathi Birth Day	11/12/2020	11/12/2020	170
National Martyr's Day	30/01/2020	30/01/2020	435
International Mother Tongue Day	21/02/2020	21/02/2020	170
No file uploaded.			

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

1. Sustainable Landscape and Organic Farming 2. Energy conservation 3. Use of Renewable Energy 4. Waste Management 5. Water Conservation and Management

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE I: EXPERIENTIAL LEARNING PROCESS OBJECTIVES OF THE PRACTICE: To transform the students into productive engineer through interactive and experiential learning process To assess students learning and effectiveness of all educational and operational activities To enable students, develop projects on their own replicating the same concept or go on for new concept development as they move to higher semesters. THE PRACTICE In our institution the following Experiential Learning Process are followed: Student Centric Learning Student centric learning broadly encompasses methods of teaching that shift the focus of instruction from the teacher to the student. This aims to develop learner autonomy and independence by putting responsibility for the learning path in the hands of students by imparting them with skills and basis on how to learn a specific subject. This method focuses on skills and practices that enable lifelong learning and independent problem-solving. Activity Based Learning: To overcome the difficulties experienced by the student's activity-based learning is used. The idea of activity-based learning is rooted in the common notion that children are active learners rather than passive recipients of the information. Its core premises include the requirement that learning should be based on doing some hands-on experiments and activities. ICT enabled teaching and learning methods are being used in this method that result in easy understanding of the concepts by students. This method provides a detailed learning to students and prepares them to initiate a project on the basis of what they have learnt in the classroom. A hands on training programme like dismantle and assemble a bicycle, tube light with frame, fans, computers, concrete mixing etc., at the beginning of second year will give a practical experience to students and spark an excitement to learn their courses with passion. Additional laboratories and software are required for students to enhance the understanding of technical subjects with practical examples. Project Based Learning This method provides a detailed learning to students and prepares them to initiate a project on the basis of what they have learnt in the classroom. Our institution ensures that all the students irrespective of

the departments at the start of their second year attend a 'Hands-On-Training' programme wherein they are taught to dismantle and assemble various day-to-day gadgets they use like a bicycle, tube light with frame, maintenance of computers etc. This practical experience sparks an excitement to learn their courses with passion. Our institution is proud to host additional facilities like 'Centre Fabrication Facility' in Department of Mechanical Engineering, 'Power Systems Analysis Laboratory' in Department in Electrical and Electronics Engineering, 'Embedded Systems Laboratory' in Department of Electronics and Communication Engineering, 'Heat Curing Chamber' and 'Mould for Concrete Preparation' in Department of Civil Engineering, 'Mobile Applications Development Laboratory' in Department of Computer Sciences and Engineering. By making use of these laboratories, staffs help the students to enhance the understanding of technical subjects with practical examples. Additional software other than that of the curriculum is also available for the students to enhance their skills. As students move on to higher semesters, they make use of our "Centre for Excellence" and the other facilities to enhance their skills and fabricate projects under the guidance of the staff. Field Work Field work allows students to explore and apply content learned in the classroom in a specified field experience away from the classroom. Field work experiences bridge educational experiences with an outside community that can range from neighborhoods and schools to anthropological dig sites and laboratory settings. Survey camps are included in the Civil Engineering curriculum which gives a better insight on the field. Internships: Students are undergoing internship during their course of study where they are trained in a work place and with the experience gained hence they will become a Industry Ready Engineer. Additionally this will improve the chance of getting placement in reputed organizations. Industrial Visits: Industrial visit is considered as one of the most tactical methods of teaching. It aids students to know things practically through interaction, working methods and employment practices in the industries. Moreover, it gives exposure to practical working environment acquaint students with interesting facts and breath-taking technologies. Such visits help the students to choose the choice of their careers. BEST PRACTICE II: E-GOVERNANCE IN TEACHING AND ADMINISTRATION Objectives of the Practice To ensure accurate, hassle free and speedy process of data processing and decision making and continual improvement To standardize and automate various processes across the institution To meet the challenges of accessible, relevant and affordable data across the institution and the outside world To create paperless administration THE PRACTICE E-Services: E-governance is introduced in all levels. Institute has a well-designed ERP called i-Boss, through which the data can be stored and retrieved whenever needed. The information about the students, faculty, are stored in the ERP software and reused whenever required. E-governance in our institution allows use of information and communication technologies with the aim of improving education, improve information, service delivery, encourage student participation in the decision making process, making administration transparent and effective. E-Governance in Admission: The ERP is having the admission module in which all the admission related processes are stored and retrieved. On line application reduces the paperwork and enhance the clarity and accuracy. The student's personal information, fee payment details, scholarship details, academic achievements, and other relevant information are available in this module. E based Teaching and Learning: The current delivery of education is based on eLearning technology providing lecturers with ICT based teaching tools. The online methods enable more effective education and offer significant advantages over traditional teaching methods. This has been possible by technological implementation based environments such as LCD projectors, Video lectures, video conferencing. smart classroom lectures, virtual lectures and E-Libraries and E-learning environment supports class room discussions. More number of MOOC courses are also made available to our students and staff for reference. A separate online module

called Learn on Line is established in our college where the faculty post their materials, lectures and assignments online and the students can be answered the same way. Apart from that, Google Classroom is also blended online learning platform. E-Governance in Examination: Course registration, examination schedule, hall arrangement, issue of hall tickets, examination results and issue of mark statements are automated. Due to this the errors are eliminated and the results are published in time. E governance in Library: PSREC library is using Autolib library management software (JAVA version) for circulation, stock verification. This software provides facility such as department interlinking, SMS, E-mail notification for transaction etc. E-Gate facility is also available to monitor the entry and exit of the user. Library networking is connected with college LAN and Wi-Fi access. The electronic resources can be accessed through Digital library. . Electronic Resources like IEEE journals, Springer Journals, N-LIST(inflibnet), Delnet etc. are made available in the digital library for the use of faculty and Students at the college campus. Centralized Information: E-Governance has provided electronic information infrastructure to simplify service delivery, reduce duplication, and improve the level and speed of service at a lower cost. The centralized information approach of e-Governance keeps all information at one place in electronic form. This approach of making information secure prevents it against any theft or leakage.

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

<http://www.psr.edu.in/naac/C7/7.2.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

UPLIFTMENT OF RURAL POPULACE THROUGH TECHNICAL EDUCATION Upliftment of rural populace through technical education is our main objective. This institution was started with a vision to impart technical education to uplift the rural populace in technical education and they can also contribute to the society. Rural upliftment through technical education is a strategy to enable engineering education to the wards of illiterate and poor parent from rural area. The group includes workers of firework industries, coolies, small scale farmers, tenants and the landless. The establishment of our Institution in this backward area helps the rural populace to take up engineering education with affordable cost. Nearly 50 students are first generation graduates. The Institute gives top priority to the welfare of the students who are in need of financial assistance. Every year fee waiver / concession on tuition fee / hostel fee / transport fee is given to economically backward students on need basis. Most of our students are from the Government Schools of nearby districts who have completed their 2 through Tamil medium. Our placement cell train the rural students with additional care and prepared them to face their campus interviews effectively. Training is imparted to the students from their second year onwards in soft skills and technical skills. The academic and placement processes are complemented with a diverse array of opportunities provided to the students in enhancing their knowledge beyond academics. Placement from various private and IT sectors are provided for the better job opportunity there by helping the improvement of social status of students from the rural background. Students are encouraged to develop their own projects through funding from the management and state government which help them to explore their creative ideas. The institution encourages participation of students in inter collegiate events whatever it may be so that the students can equip themselves in a better way to face any situation in future with a high confidence and competence. Apart from the service to the rural students, our

institute extend the service to the rural society through various forums regularly. Through the NSS of our Institute the following programmes / events are conducted: • Swachh Bharat Abhiyan (SBA) or Clean India Mission camp in local villages • Blood donation camps • Eye camp • Veterinary camp • Removal of seemai karuvelam (Prosopis juliflora) trees • Creating awareness on Self-hygiene, Plastic free environment, Firework safety and Road safety • Dengue Awareness Program • The student association of our Institute take part in the extension activities in the neighbourhood • community for its holistic development. Few of them are given below: • Electrical safety • Conservation of energy • Use of solar / wind energy in agriculture • Awareness on Digital banking • Women Safety • Awareness on Self-employment • Use of bio fertilizers • Computer literacy to school students of nearby villages The success of the upliftment of the rural students is evident from our placement record.

Provide the weblink of the institution

<http://www.psr.edu.in/naac/C7/7.3.pdf>

8.Future Plans of Actions for Next Academic Year

- To establish centre for excellence in various Engineering Discipline • Motivate the Students to get more number of International certification • Strengthen the clean and green campus through plantation of trees and plants. • Increase the solar power generation • Apply NBA Accreditation for the Department of Mechanical Engineering, Civil Engineering and Bio Technology • Apply more number of research projects to various government and non-government funding agencies.