



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution		P.S.R.ENGINEERING COLLEGE
Name of the head of the Institution		Dr. B G Vishnuram
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04562239092
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/AQAR%202017-18.pdf		
4. Whether Academic Calendar prepared during the year			Yes		
if yes,whether it is uploaded in the institutional website: Weblink :			http://www.psr.edu.in/Calendar%20Activities.php		
5. Accrediation Details					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B	2.54	2014	10-Dec-2014	09-Dec-2019
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		
Coaching for Hindi Language	11-Jul-2018 45	450
Regular meeting of Internal Quality Assurance Cell (IQAC)	04-Jun-2018 3	20
Submission of Annual Quality Assurance Report (AQAR) to NAAC	19-Sep-2018 1	0
Preparation of NBA compliance report	26-Dec-2018 1	25
Preparation of Autonomous status Extension report to UGC	11-Jun-2018 1	25
Organized NAAC Sponsored National Level Conference on Innovation in Teaching and Learning for Higher Education	22-Feb-2019 2	200
Registration of Alumni Association	27-Nov-2018 1	512
Conduction of Academic Administrative Audit (AAA)	06-May-2019 1	18
Participation in NIRF	28-Feb-2019 1	0
Participation in AISHE	10-Jan-2019 1	0
Outcome Based Education and AICTE Model Curriculum	27-Jul-2018 1	26
E-Learning Resource-Google Class Room	31-Aug-2018 1	170
FDP on Instructional Design and Delivery System by NITTTR	30-Aug-2018 1	70
Enforcement of IPR & Technology Transfer	20-Aug-2018 1	75
Translanguaging: The key to effective Language Learning	10-Jan-2019 1	150
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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
NIL	NIL	NIL	2019	0

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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

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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

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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)

• NBA ReAccreditation for three years and UGC Autonomous status Extended for Six years • NAAC sponsored National conference on Innovation in Teaching and Learning for Higher Education on February 2019 • Organized Faculty Development Programme in association with NITTTTR for the topic of "Instructional Design and Delivery Methods" • IQAC Cell of PSREC and NITTTTR, Chennai jointly organize an "International Conference on Recent Trends in Engineering Education", October, 2018. • Created MoU between PSREC and Ethnotech Academic Solution for establishing centre for Excellence with leading corporates like Google, Texas Instruments, IBM, ePlan and Bentley.

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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
Strengthen the research activities with funded projects	Received the following funding from various Agencies • MODRAB Scheme - AICTE (Rs.14.5 Lakhs) Titled "Mixed Logic Circuit Design Laboratory" • STTP Scheme - AICTE (Rs.2.75 Lakhs) Titled "Advanced Concrete Technology" • STTP Scheme - AICTE (Rs.3.05 Lakhs) Titled "Wearable Computing using Internet of Things" • GOC Scheme - AICTE (Rs.5 Lakhs) - Titled " International Conference on Challenges and

	<p>Opportunities for Development of Smart Cities " • Three Minor Projects TNSCST -(Rs. 0.2 Lakh) 1. Biodegradable plastic from shells of Arachis hypogea 2. Anticancer activity of betasitosterol in Sphaeranthus indicus, antiviral activity against corona and anti hyperlipidemic activity 3. Water Tank Cleaning Machine • Texas Instruments 1 (Rs 10,000/ worth of components) "Canny Helmet" • NAAC Seminar Grant (Academic Support) "National Conference on Innovation in Teaching and Learning for Higher Education" on 22.02.19 23.02.19</p>
Increase more number of Entrepreneurship Development programmes	<p>The following activities were conducted by EDC cell 1. Enforcement of IPR & Technology Transfer 2. Creativity and Innovation from 13.08.18 to 14.08.19 3. Translanguaging: The key to effective Language Learning on 11.01.19 4. Entrepreneurship Awareness Camp (EAC) between 27.12.18 to 29.12.18 and 08.01.19 to 10.01.19 5. Export and Import Procedures and Formalities on 18.01.19 . Campus Circle from 04.02.19 to 07.02.19</p>
Enhance the placement of students in core companies	<p>No. of students placed: 363 No. of Companies Visited : 39 On campus : 324 Students ;579 (Offer letters) Off Campus : 39 Students ; 44 (Offer letters)</p>
Improve internships and industry based projects.	<p>No. of Students undergone Internship: 155 No of students undergone industry based projects: 103</p>
Strengthen the social extension activities	<p>? Motivational Programme to School Teachers & School Students from 19.06.18 to 27.06.18 ? Women Empowerment Programme on 08.03.19 ? Health awareness programme on 18.07.18 ? Social Service at Andal Temple Car Festival 04.08.18 ? Blood Donation Camp to rural peoples on 28.02.19 ? Eye check-up Camp to rural peoples on 16.02.19 ? Trade Bazaar with women's self-help groups On 29.03.19 ? Swatch Bharat for Clean India from 16.07.18 to 27.07.18 ? National Voter's day Celebration on 25.01.2019 ? Yoga Day Celebration on 21.06.18 ? Women's Day Celebration on 08.03.19 ? Teacher's Day Celebration on 05.09.18</p>
Encourage startups.	<p>Two Startups Grant received from from Tamilnadu Entrepreneur Development Cell(TNEDC), Chennai with worth of Rs.1,00,000/- 1. ENVIRO SAFE</p>

(Rs.50,000) 2. LIFELINE
COOKIES(Rs.50,000)

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body

Meeting Date

Board of Mangament

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

2019

Date of Submission

10-Jan-2019

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

Institutional Automation System (GEIS and IBOSSEMS and MOOC software (Learn online) ? The aim of this practice is to introduce automation in the administrative system (Office, Student, Library Examination) and the academic activities of the college ? The main aim of the implementation of automation is to reduce the paper works. ? To get / access accurate and precise data ? The system is having the following features: • Student Attendance and their personal details • Faculty details with class advisor permission • Examination related process like IAT ,Assignment, Internal and External marks calculation • Library book details and available volumes • Course related materials and timetables • Online Test Conduction • Fees paid details • Faculty member is on leave , the class exchange options will be available.

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	EC	ECE	13/04/2019
BE	CS	CSE	13/04/2019
BE	ME	MECH	13/04/2019
BE	CE	CIVIL	13/04/2019
BE	EE	EEE	13/04/2019
BTech	BT	BIOTECH	13/04/2019
ME	AE	Applied Electronics	13/04/2019
ME	ED	Engg. Design	13/04/2019
ME	SE	Structural Engg.	13/04/2019
ME	PED	Power Electronics and Drives	13/04/2019
ME	CSE	Computer Science	13/04/2019
MBA	BA	Management Studies	13/04/2019
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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	CSE	04/06/2018	C# and .Net Laboratory 161CS57 Open Source Laboratory 161CS58 Mobile Application Development Laboratory 161CS67 System Software Compiler Laboratory 161CS68Cloud Computing 161CS54	04/06/2018
BE	CSE	04/06/2018	Advanced JAVA Programming 161CSE02 Game Programming 161CSE18 Data Science and Analytics 161CSE25 Web Development using PHP	04/06/2018

			161OE101 Programming in PERL 161OE102 Multimedia and Animation Tools 161OE103 Java Scripts 161OE107	
BE	ECE	04/06/2018	Digital Communication 161EC52 Communication Systems Laboratory 161EC57 VLSI Laboratory 161EC58 Microwave Engineering 161EC63 Engineering Economics and Management 161HS61 Embedded Systems 161EC61 Embedded Systems Laboratory 161EC67	04/06/2018
BE	ECE	04/06/2018	DSP Architecture and Applications 161EC62 DSP and Processor Laboratory 161E C68,Wearable Electronics 161ECE18 Bio Medical Instrumentation 161OE201	04/06/2018
BE	EEE	04/06/2018	Digital Signal Processing 161EE51 Rotating AC Machines 161EE52 Power Electronics 161EE53 Protection and Switchgear 161EE54 High Voltage Engineering	04/06/2018

			161EE55 Object Oriented Programming 161EE56 Rotating AC Machines Laboratory 161EE57	
BE	EEE	04/06/2018	Power Electronics Laboratory 161EE58 Power System Analysis 161EE61 Solid State Drives 161EE62 Advanced Microprocessor and Microcontrollers 161EE63 Industrial Drives and Control Laboratory 161EE67 Advanced Microprocessor and Microcontroller Laborator	04/06/2018
ME	Applied Electronics	04/06/2018	Medical Imaging Processing 162AEE23	04/06/2018
BE	CIVIL	04/06/2018	Structural Analysis - I 161CE51 Irrigation Engineering 161CE52 Sanitary Engineering 161CE53 Highway Engineering 161CE54 Foundation Engineering 161CE55 Reinforced Concrete Structures - I 161CE56 Concrete and Highway Engineering Lab 161CE57	04/06/2018

BE	CIVIL	04/06/2018	Soil Mechanics Laboratory 161CE58 Structural Analysis - II 161CE61 Engineering Economics and Management 161MG61 Reinforced Concrete Structures - II 161CE62 Railway, Airport and Harbour Engineering 161CE63 Structural Design and Detailing Laboratory	04/06/2018
BTech	BioTech	04/06/2018	Bioprocess Principles 12BT61 Bioinformatics 12BT53 Immunology Lab 12BT66 Genetic Engineering 12BT64, Bioethics 161BT56 Biomaterials 161OE502	04/06/2018
MBA	MBA	04/06/2018	Entrepreneurship Development 193BA32 Personality Development: Life Skills 193BAE0 Entrepreneurial Thoughts 193BAE5	04/06/2018
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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	Web Development using PHP 161CSE1,01 Programming in PERL 161CSE102, Multimedia and Animation	04/06/2018

	Tools 161CSE103, Green Computing 161CSE105 ,Java Scripts 161CSE107	
ME	54 Advanced Database Administration and Tuning 162CSE25 55 Information Storage Management 162CSE27 56 Data Science 162CSE28 57 Fault Tolerant Systems 162CSE29 58 Secure Network System Design 162CSE30	04/06/2018
BE	ECE: Industrial Internet of Things Design 161ECE12Cryptography and Network security ,Wearable Electronics , Low Power VLSI	04/06/2018
ME	Medical Imaging Processing 162AEE23 Device Modeling 162AEE26 Data Converters 162AEE28 Cryptography and Data Security 162AEE31 VLSI Signal Processing 162AEE33 High Performance Communication Network 162AEE34 Internetworking and Multimedia 162AEE35 Cloud Computing 162AEE36 Data Warehousing and Data Mining 162AEE38 162AEE39 Social Network Analysis 162AEE41	04/06/2018
BE	CIVIL:Town Planning & Architecture 161CEE17 Professional Ethics 161CEE21 Project Management 161CEE22 Disaster Management System 161OE701 Fundamentals of Fire Safety Engineering 161OE702 Optimization in Engineering 161OE703 Renewable Energy Sources 161OE704Experimental Stress Analysis 161CEE02 Hydraulic Structures 161CEE08 Water Power Engineering 161CEE10 Climate change and Adaptation 161CEE14	04/06/2018
ME	SE: Corrosion and Durability Studies Soil Structure Interaction	04/06/2018

	<p>Research Methodology Advanced Construction Materials Solid And Hazardous Waste Management Sub - Structure Design Cracks And Crack Control In Concrete Structures</p>	
BE	<p>EEE: Wiring, Estimation and Costing 161EE73 , Sensors and Transducers 161OE405, Vehicular Electric Power Systems 161OE406 ,Domestic and Industrial Electrical Installation 161OE407</p>	04/06/2018
ME	<p>PED: Power Electronics In Power Systems 162PEE11 Computer Aided Design of Power Electronics Circuits 162PEE12 Advanced Digital Signal Processing 162PEE24 Digital Controllers for Power Electronics and Drives Applications 162PEE25 Computer Network 162PEE26 Electrical Distribution Systems 162PEE27 Fuzzy Systems 162PEE28 Advanced Power System Protection 162PEE29 Digital Relaying and Measurement Systems 162PEE30 Distributed Generation and Micro- Grids 162PEE31 Control Design for Power Electronics and Drives 162PEE32 Energy Auditing Management 162PEE33 Electric and Hybrid Vehicles 162PEE34</p>	04/06/2018
BE	<p>MECH: Computer Integrated Manufacturing 161MEE04 Foundry Technology 161MEE07 Industrial Engineering & Management 161MEE09 Polymer Technology 161MEE11 Rapid Prototyping 161MEE14Additive Manufacturing 161MEE17 Non Destructive Testing and Materials 161OE602 Fireworks Safety 161MEE06</p>	04/06/2018

ME	ED: Product Design and Development 162ED24 Design for Automotive Systems 162EDE02 Industrial Robotics and Expert Systems 162EDE20 Reverse Engineering 162EDE22 Rapid Prototyping and Tooling 162EDE11 Surface Engineering 162EDE13 Design of Experiments 162EDE05	04/06/2018
MBA	Integrated Marketing Communication 163BAM4 Rural Marketing 163BAM5 Marketing Channels 163BA01 Advanced Industrial psychology 163BA03 Public Health care system & Health Insurance 163BAH1 Legal and Ethical Issues for Hospitals 163BAH2 Engineering Economics and Financial Accounting 163OE4	04/06/2018
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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	CSE	04/06/2018
BE	ECE	04/06/2018
BE	Mech	04/06/2018
BE	CIVIL	04/06/2018
BE	EEE	04/06/2018
BTech	Bio Tech	04/06/2018
ME	CSE	04/06/2018
ME	Applied Electronics	04/06/2018
ME	Engg. Design	04/06/2018
ME	Structural Engg.	04/06/2018
ME	Power Electronics and Drives	04/06/2018
MBA	Management Studies	04/06/2018

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
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R Programming	02/08/2018	115
HTML/PHP	12/08/2018	111
Basic Electronics	03/09/2018	59
PCB Design and Testing	03/09/2018	100
Python Programming and IOT using Raspberry Pi	06/08/2018	115
PIC, ARDUINO and Raspberry PI with IOT	03/09/2018	95
Auto CAD Electrical	08/10/2018	52
Entrepreneurship Awareness program:-Solar Installation	03/12/2018	68
Industrial Automation	05/11/2018	85
CNC Turning Milling Training	10/12/2018	142
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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	CSE	218
BE	ECE	215
BE	EEE	149
BE	Mech	327
BE	Civil	217
BTech	Biotechnology	65
MBA	MBA	106
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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
The institution collects feedback on curriculum aspects and courses from different stakeholders such as students, alumni, faculty, employers. The faculty members analysed and evaluated the collected data from each course and from all other sources (surveys). The HOD discusses the results with faculty to identify the need for improvement and suggest to prepare an action plan accordingly. Once the action has been completed, data for that performance indicator should again be collected, analyzed and evaluated by the program

assessment committee to see the performance. This process continues until the performance improves to the target value. The results are discussed with Principal and Management representative. A standard feedback questionnaire is collected from the students every end semester for the academic year. • The feedback is quantified in 15 point scale • All the parameters mentioned in the feedback form are analysed for strengths weaknesses. • Ability of teaching with respect to each item and comprehensive ability of the teachers are analysed. • All the comments written by the students in the feedback forms are communicated to the respective faculty members along with their feedback levels to know their strengths and weaknesses. • Analysis of the feedback helps the faculty members to improve their performance an quality of teaching. Percentage of students participating : about 90 Faculty members who get average feedback below 3 on 15 scale are called individually and counselled to improve their performance. The faculty members who get average feedback of 4 or above on 15 scale are appreciated by the HOD and Principal. Justification: The questionnaire being administered on the students has ten items which cover the following questions: 1. Punctuality of the Faculty 2. Coverage of the Syllabus as per the Plan 3. Clarity in Presentation and Communication 4. Interaction with the Students 5. Assistance to Learn / Counseling and Guidance 6. Subject Knowledge of the Faculty 7. Appreciation for Students 8. Usage of Teaching Aids like Chalk Board / OHP / LCD Projector 9. Approachability of the Faculty for Assistance 10. Evaluation of Tests and Feedback The college conducts annual Alumni Meet, in which suggestions and feedback is received from Alumni students. Feedback from industrial management, R D establishments and professionals is obtained through college website's feedback blog. Alumni surveys are conducted during alumni interaction at the alumni association meeting held every year Whenever any alumni visits the college, feedback is taken Further, college website invites alumni to provide feedback through online. Based on the feedback from all the stakeholders, the modification or improvement in academic process through respective BoS Meeting. The BoS approve and recommends changes in the curriculum and evaluation method according to the industry needs to Academic council for the approval. Recently the college adopted new regulation R2019 with Choice Based Credit System (CBCS) for enhancing the level of knowledge and professional skills of the students.

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	CIVIL	60	74	46
BE	CSE	120	169	92
BE	ECE	120	130	68
BE	MECH	120	154	88
BE	EEE	60	98	44
BTech	BT	30	62	30
ME	APPLIED ELECTRONICS	18	16	16
ME	ENGINEERING DESIGN	18	15	10
ME	STRUTURAL ENGG.	18	23	18
ME	POWER	18	17	10

	ELECTRONICS & DRIVES			
ME	COMPUTER SCIENCE	18	20	14
MBA	MBA	60	63	48
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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	2086	166	143	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
166	166	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 act 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 • CoCurricular and ExtraCurricular 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 menoring 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 under performing 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 Conceptoriented 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
2086	166	12

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
166	166	0	33	39

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	Dr.K.Valarmathi	Professor	Best Innovation award from DSTTexas Instruments
2018	Dr. P. Pitchipoo	IQAC / CIQA coordinator	Guest Editor- International Journal of Computer Aided Engineering and Technology
2018	Mr.L.Arun Raja	Associate Professor	Technical Excellence Award
2018	Mrs.A.Dhanalakshmi	Associate Professor	Best planning award
2018	Dr.P.Kannan	Professor	Best Paper Award
2018	Dr.V.Vasanth	Associate Professor	Associate Editor- Paradigm Drift in Business Theory and Practice
2019	Dr.P.Ranjith Kumar	Associate Professor	NPTEL - Elite
2019	Mr.S.Balasubramanian	Associate Professor	NPTEL - Elite
2019	Mr.R.Senthil Ganesh	Assistant Professor	NPTEL - Elite
2019	Dr.N.SaravanaSelvam	Professor	Research Supervisor Recognition
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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 examination
MBA	MBA	Odd /2018-19	19/11/2018	06/12/2018

ME	ME-PED	Odd / 2018-19	19/11/2018	06/12/2018
ME	ME-CS	Odd / 2018-19	19/11/2018	06/12/2018
BE	EE	Odd / 2018-19	04/01/2019	19/01/2019
BTech	BT	Odd / 2018-19	04/01/2019	19/01/2019
ME	ME - AE	Even / 2018-19	25/04/2019	07/05/2019
BE	EC	Even / 2018-19	10/05/2019	24/05/2019
BE	CS	Even / 2018-19	10/05/2019	24/05/2019
BE	CE	Even / 2018-19	10/05/2019	24/05/2019
BTech	BT	Even / 2018-19	10/05/2019	24/05/2019
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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
49	2079	2.36

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 appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
CE	BE	CIVIL	110	105	95.45
CS	BE	CSE	62	62	100
EC	BE	ECE	82	79	96.3
ME	BE	MECH	143	139	97.2
EE	BE	EEE	52	52	100
BT	BTech	BT	21	20	95.23
AE	ME	APPLIED ELECTRONICS	13	13	100
PED	ME	Power Electronics and Drives	7	7	100
CSE	ME	Computer Science	13	13	100
ED	ME	Engineering Design	12	12	100
SE	ME	Structural Engineering	11	11	100
MBA	MBA	Business Administration	59	59	100

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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.psr.edu.in/images/college/SSS%202018-19.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

Dr. S. Edwin Jose

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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	Dr.B.Ganesh Kumar	ERC Post Doctoral Fellowship	03/05/2018	KOC Universeti
International	Dr.K.Sankarasubramanian	Post Doctoral Tutor	28/11/2018	Taiyuan University of Technology
National	Mr.S.Durairaj	Focus Area Science Technology Summer Fellowship	09/05/2018	Indian Academy of Sciences, Bengaluru

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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
Any Other (Specify)	360	TNSCST	0.08	0.08
Any Other (Specify)	360	TNSCST	0.08	0.08
Any Other (Specify)	360	TNSCST	0.08	0.08
Students Research	180	TEXAS Instruments	0.15	0.15

Projects (Other than compulsory by the University)				
Any Other (Specify)	3	NAAC	0	0
Any Other (Specify)	5	ISTE	0	0
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0.53

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
Workshop on "Computational Biology"	BT	25/01/2019
Workshop on Research Avenues of Neural Network in Engineering and Technology	ECE	26/11/2018
Seminar on "Introduction to Machine Learning"	CSE	24/08/2018
Guest Lecture on "Exploiting Small World Problem in Social IOT"	ECE	22/01/2019
One day Workshop on Innovative user of home lifting Techniques	CIVIL	24/08/2018
Workshop on Robotics and Automation	ECE	24/11/2018
Workshop on "Industry Oriented Technical Training"	MECH	09/07/2018
Seminar on "Industry Expectation Awareness"	MBA	05/01/2019
Workshop on PCB Design and Testing	ECE	05/09/2018
Guest Lecture on "Steps To Enter Software Industry"	CSE	05/09/2018
Enforcement of IPR Technology Transfer	ECE	20/08/2018
Creativity and Innovation	MBA	13/08/2018
Translanguaging: The key to effective Language Learning	MBA	11/09/2018

Entrepreneurship Awareness Camp (EAC)	MBA	27/12/2018
Entrepreneurship Awareness Camp (EAC)	MBA	08/01/2019
Export and Import Procedures and Formalities	MBA	18/01/2019
Campus Circle	MBA	04/02/2019
One day workshop about endophytes friends inside	BT	29/09/2018
Workshop on "Big Data Analytics Tools"	CSE	27/12/2018
Seminar on Career Opportunities for Civil Engineering at ISRO	CIVIL	27/07/2018
Three Day Hands on Training in Python	ECE	26/12/2018
Seminar on "Graphical Introduction to Object Oriented Programming"	CSE	26/06/2018
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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
Manual Design	Mr.L.ArunRaja	HiTech Computers Madurai	09/04/2019	Best Designing Award
Total Station	Mr.S.Karthik Ragunath	Presto Survey Instruments	14/05/2019	Best Surveying Engineering Award
Cube strength	Mr.K.Mahendran	ICT Academy of Tamil Nadu	30/05/2019	Best cube strength Award
Tamilnadu EDC cell Innovation award	Ms.V.Varalakshmi	Tamilnadu EDC cell	16/04/2019	Innovation
Tamilnadu EDC cell Innovation award	Dr. M. Aynul Rifaya	Tamilnadu EDC cell	16/04/2019	Innovation
Smart EWheel chair cum Stretcher	Ms. Deepa Ms.Jayalakshmi Ms.Chitra	District Science Center, Govt. of Tamilnadu, Tirunelveli	13/02/2019	Innovation
Best Paper Award	Dr. P. Pitchipoo	NITTTR, Chennai	05/10/2018	Paper Presentation
Housing Plan	Mrs.A.Dhanalakshmi	CADD Centre Rajapalayam	13/04/2019	Best Planning Award
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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
Incubation	PSR innovation and Inubation Centre	PSR trust	Organo biofe rtilizer	Manufacturer and sell the fertilizer to the nearby farmers	13/02/2019
Incubation	PSR innovation and Inubation Centre	PSR trust	FINSO Support Service(FSS)	Assitatnt for applying PAN card, Passport, Train Tickets and others	13/02/2019
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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
Mech	1
EEE	1
CSE	4
CIVIL	2
H S	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	BT	5	0.38
International	EEE	10	0
International	MBA	14	0
International	MECHANICAL	12	0.55
International	ECE	29	1.27
International	CIVIL	2	2.9
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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
EEE	18
ECE	42
Mechanical	5
Civil	12
BT	1
MBA	27

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
Industrial drives and control lab manual (copyrights)	Published	L-81919/20	30/04/2019
Friction Stirr Crack Propagation Standstill Technique	Published	2018410220	22/06/2018
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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
An energy efficient clustering algorithm using harmony memory search for wireless sensor network	Narmadha C Marichamy P Narayanan A.E.	International Review on Modelling and Simulations	2018	1	P.S.R Engineering College	1
Design of faulttolerant Reversible Floating Point Division [Na?rtovan je proti napakam odpornega reverznega deljenja s plavajo?o]	Kamaraj A Marichamy P.	Informacij e MIDEM	2018	1	P.S.R Engineering College	1
Design and implementation of adders using novel reversible gates in Quantum	Kamaraj A Marichamy P Devi S.K Subraja, M.N.	Indian Journal of Science and Technology	2018	5	P.S.R Engineering College	5

cellular automata						
A survey on mobile task offloading and scheduling techniques	Erana Veerappa Dinesh S Valarmathi K.	Journal of Advanced Research in Dynamical and Control Systems	2018	0	P.S.R Engineering College	0
A comparative investigation on effects of nanoparticles on characteristics of natural esters based nanofluids	R. Madavan Kumar S. Senthil Iruthyarajan M. Willuice	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2018	2	P.S.R Engineering College	2
Properties of Untreated and Chemically Treated Cissus Quadrangularis Natural Fibers and Their Composites With Polyester as the Matrix	Mayandi K Rajini N, Pitchipoo P Winowlin Jappes J.T Varada Rajulu A	Polymer Composites	2018	8	P.S.R Engineering College	8
Fuzzy based risk prioritisation in an auto LPG dispensing station	A. Maniram Kumara S. Rajakarunkaran P. Pitchipoo R. Vimalasand	Safety Science	2018	11	P.S.R Engineering College	11
An Efficient Social Spider Optimization for Flexible Job Shop Scheduling Problem	Kavitha S Venkumar P Rajini N. Pitchipoo P	Journal of Advanced Manufacturing Systems,	2018	3	P.S.R Engineering College	3
Decision model for	Pitchipoo P Venkumar	International	2018	1	P.S.R Engineering	1

supplier evaluation and selection in process industry: A hybrid DEA approach	P Rajakaru nakaran S. Ragavan, R	Journal of Industrial Engineering: Theory, Applications and Practice			College	
A novel optimization of friction stir welding process parameters on Aluminum alloy 6061T6	Gomathisan kar M., Gan gatharan M. and Pitchipoo P	Materials Today: Proceedings	2018	0	P.S.R Engineering College	0
Hybridization of firefly and ant colony optimization algorithm for job shop scheduling	Muthiah A Pitchipoo. P Rajkumar R.	Journal of the Balkan Tribological Association	2018	0	P.S.R Engineering College	0
Reduction of blind spots in heavy transport vehicles through the optimization of driver seat design	Vincent D.S Pitchipoo P Rajini, N Rajakaru nakaran S	International Journal of Computer Aided Engineering and Technology	2018	0	P.S.R Engineering College	0
Neuro protective activity of Sargassum wightii against neurotoxicity induced cell death on an in vitro human	Rajeswari R. Jeyaprakash K.	International Journal of Pharmaceutical Research	2018	0	P.S.R Engineering College	0

neuro blastoma model						
Modal density of honeycomb sandwich composite cylindrical shells considering transverse shear deformation	Josephine Kelvina Florence S Renji K Sudhakaran K.	International Journal of Acoustics and Vibrations	2018	2	P.S.R Engineering College	2
Synthesis, structural elucidation, catalytic, antibacterial and antioxidant activity of thiophene derived mixed ligand metal complexes	M. Vairala kshmi R. Princess B. Kokila Rani S. Johnson Raja	Journal of the Chilean Chemical Society	2018	0	P.S.R Engineering College	0
A novel securable fuzzy logic based ranking scheme for document searching on outsourced cloud data	Manoharan, S. N Ruba Soundar Kathavarayan	An international Journal wireless personal communication	2019	0	P.S.R Engineering College	0
Development of Big Data Predictive Analytics Model for Disease Prediction using Machine learning Technique	Venkatesh, R Balasubramanian, C Kaliappan, M.	Journal of Medical Systems	2019	0	P.S.R Engineering College	0
Development of Big	Guruprakash, B Balas	Peer-to-Peer Networking	2019	0	P.S.R Engineering	0

Data Predictive Analytics Model for Disease Prediction using Machine learning Technique	ubramanian , C Sukumar, R.	and Applications			College	
Design of SpaceEfficient Nano Router in Reversible Logic with Multilayer Architecture	Kamaraj, A Marichamy, P Senthil Kumar, J Selva Nidhyananthan S Kalyana Sundaram, C.	lecture Notes in Electrical Engineering	2019	0	P.S.R Engineering College	0
Fuzzy LogicBased Decision Making for Selection of Optimized Liquid Insulation Blend	S. Vedhanya yaki R. Madavan Sujatha Balaraman S. Saroja S. Ramesh K. Valarmathi	Advances in Soft Computing	2019	0	P.S.R Engineering College	0
Shear Behaviour of Glass FibreReinforced Geopolymer Concrete	Nithyapriya, K., Subramanian, K., John Britto, X., Muthuraj, M.P.	Lecture Notes in Civil Engineering	2019	0	P.S.R Engineering College	0
Synthesis, characterization and biochemical studies of metal complexes derived from 2aminobenzoimidazole derivative	Kokila Rani, B Princess, R Johnson Raja S Suman A.	Research Journal of Chemistry and Environment	2019	0	P.S.R Engineering College	0
Synthesis, characterization and biochemical studies of metal complexes	Gobi, K., Kannapiran , B., Devaraj, D., Valarmathi, K.	Sensor Review	2019	1	P.S.R Engineering College	1

derived from 2aminobenzoimidazole derivative						
Estimation of strains in composite cylindrical shells in a statistical energy analysis framework	Josephine Kelvina Florence S Renji K Subramanian, K.	Applied Acoustics	2019	0	P.S.R Engineering College	0
An enhanced hybrid domain downlink scheduling	Priya L. R Ruba Soundar Kathavarayan	Cognitive systems research	2018	0	P.S.R Engineering College	0
Swarm intelligence based autonomous DDoS attack detection and defense using multi agent system	R. Kesavamoorthy Ruba Soundar Kathavarayan	Cluster computing	2018	4	P.S.R Engineering College	4
Moving shadow detection based on stationary wavelet transform and Zernike moments	Nagarathinam Kavitha Ruba Soundar Kathavarayan	IET Computer Vision	2018	0	P.S.R Engineering College	0
Access control scheme in cloud services based on different user roles	S.Singarav elan Ramaiah Arun Dhiraviyam Arun Shunmugam Raja Veeman Vivek Dhanushkodi	Informatologia	2018	0	P.S.R Engineering College	0

	Murugan					
Meeting deadlines using artificial bee colony (ABC) based resource mechanism in public clouds with task replication in large-scale biomedical data	Ramathilagam, A Vijayalakshmi K.	Journal of Computational and Theoretical Nanoscience	2018	0	P.S.R Engineering College	0
Secured energy optimized Ad hoc ondemand distance vector routing protocol	Amutha S Balasubramanian K	Computers and Electrical Engineering	2018	0	P.S.R Engineering College	0
Effective failure nodes detection using matrix calculus algorithm in wireless sensor networks	Palanikumar R Ramasamy K.	Cluster Computing	2018	0	P.S.R Engineering College	0
A Swarm Intelligence Based Clustering Technique with Scheduling for the Amelioration of Lifetime in Sensor Networks	Guru Prakash, B Sukumar, R Balasubramanian, C.	Wireless Personal Communications	2018	0	P.S.R Engineering College	0
Design, Development and Performance	Gobi K Kannapiran B Devaraj D	Defence Science Journal	2018	0	P.S.R Engineering College	0

Evaluation of Eddy Current Displacement Sensor based Pressure Sensor with Target Temperature Compensation	Valarmathi K					
EEG Based Strategies for Human Gustation Classification Using Spartan6 FPGA	Kalyana Sundaram Chandran Marichamy P	Wireless Personal Communications	2018	0	P.S.R Engineering College	0
Effect of Environmental Pollutants on Taste Composition Based on Electroencephalography Signal Analysis in an Indoor Environment	Kalyana Sundaram Chandran P .Marichamy	Ekoloji	2018	0	P.S.R Engineering College	0

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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
Access control scheme in cloud services based on different user roles	Singaravelan, S., Arun, R., Shunmugam, D.A., Vivek, R.V., Murugan, D.	Informatologia	2018	5	0	P.S.R.Engineering college, sivakasi.
A Swarm Intelligence Based Clustering Technique	Guru Prakash, B., Sukumar, R., Balasu	Wireless Personal Communications	2018	5	0	P.S.R.Engineering college, sivakasi.

with Scheduling for the Amelioration of Lifetime in Sensor Networks	bramanian, C.					
Secured energy optimized Ad hoc ondemand distance vector routing protocol	Amutha, S., Balasubramanian, K.	Computers and Electrical Engineering	2018	5	0	P.S.R.Engineering college, sivakasi.
Neuro protective activity of Sargassum wightii against neurotoxicity induced cell death on an in vitro human neuroblastoma model	Rajeswari, R., Jeyaprakash, K.	International Journal of Pharmaceutical Research	2018	5	0	P.S.R.Engineering college, sivakasi.
Design, graph theoretical analysis, density functional theory, Insilico modeling, synthesis, characterization and biological activities of novel thiazole fused quinazolinone derivatives	Saravanan, G., Panneerselvam, T., Alagarsamy, V., Kunjiappan, S., Parasuraman, P., Murugan, I., Dinesh Kumar, P.	Drug Development Research	2018	5	0	P.S.R.Engineering college, sivakasi
Properties of	Dr.P.P Pitchipoo	Polymer Composites	2018	5	8	P.S.R.Engineering

untreated and chemically treated <i>Cissus quadrangularis</i> natural fibers and their composites with polyester as the matrix						college, sivakasi.
Influence of water on exhaust emissions on unmodified diesel engine propelled with biodiesel	Rathinam, S., Justin Abraham Baby, S., Devarajan, Y., Arunkumar, T.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2018	5	41	P.S.R.Engineering college, sivakasi.
Performance and emission study on the effect of oxygenated additive in neat biodiesel fueled diesel engine	S, G., Rathinam, S., Sajin, J.B., Ganesan, S., Yuvarajan, D.	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2019	5	18	P.S.R.Engineering college, sivakasi.
Fuzzy based risk prioritisation in an auto LPG dispensing station	Maniram Kumar, A., Rajakarunakaran, S., Pitchipoo, P., Vimalesan, R.	Fuzzy based risk prioritisation in an auto LPG dispensing station	2018	5	11	P.S.R.Engineering college, sivakasi.
Characterization of natural cellulosic fiber from <i>Epipremnum aureum</i> stem	Maheshwaran, M.V., Hyness, N.R.J., Senthamaraiannan, P., Saravanakumar, S.S., Sanjay, M.R.	Journal of Natural Fibers	2018	5	5	P.S.R.Engineering college, sivakasi.

Swarm intelligence based autonomous DDoS attack detection and defense using multi agent system	Kesavamoorthy, R., Ruba Soundar, K.	Cluster Computing	2018	5	4	P.S.R.Engi neering college, sivakasi.
Effective failure nodes detection using matrix calculus algorithm in wireless sensor networks	Palanikumar, R., Ramasamy, K.	Cluster Computing	2018	5	4	P.S.R.Engi neering college, sivakasi.
Design, graph theoretical analysis and in silico modeling of Dunaliella bardawil biomass encapsulated keratin nanoparticles: A scaffold for effective glucose utilization	Kunjiappan, S., Pann eerselvam, T., Prasad, P., Sukumaran, S., Somasundaram, B., Sankaranarayanan, M., Murugan, I., Parasuraman, P.	Biomedical Materials (Bristol)	2018	5	3	P.S.R.Engi neering college, sivakasi.
An optimized energy efficient clustering and load balancing approach for multihop wireless sensor	Gomathi, M., Sivanesan, P., Sekar, K.R., Manikandan, R., Soundarajan, R.	International Journal on Emerging Technologies	2019	5	2	P.S.R.Engi neering college, sivakasi.

network						
A comparative investigation on effects of nanoparticles on characteristics of natural esters based nanofluids	Madavan, R., Kumar, S.S., Willjuice Iruthayaran, M.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2018	5	2	P.S.R.Engineering college, sivakasi.
Design graph theoretical analysis and In Silico modeling of Dunaliella bardawil biomass encapsulated Nsuccinyl chitosan nanoparticles for enhanced anticancer activity	Kunjiappan, S., Panneeselvam, T., Somasundaram, B., Sankaranarayanan, M., Parasuraman, P., Joshi, S.D., Arunachalam, S., Murugan, I.	AntiCancer Agents in Medicinal Chemistry	2018	5	2	P.S.R.Engineering college, sivakasi.
Segmentation of hepatocellular carcinoma and dysplastic liver tumors in histopathology images using area based adaptive expectation maximization	Kalinathan, L., Kathavarayan, R.S., Nagendram, D., Vij, M., Relam, M.	Multimedia Tools and Applications	2018	5	2	P.S.R.Engineering college, sivakasi.
Synthesis, characterization and biochemical studies of metal complexes derived	Kokilarani, B., Princess, R., Johnson Raja, S., Suman, A.	Research Journal of Chemistry and Environment	2019	5	1	P.S.R.Engineering college, sivakasi.

from 2amin obenzoimid azole derivative						
Multiobjec tive league cha mpionship algorithm for realtime task scheduling	Subbaraj, S., Thiaga rajan, R., Rengaraj, M.	Subbaraj, S., Thiaga rajan, R., Rengaraj, M.	2019	5	1	P.S.R.Engi neering college, sivakasi.
An energy efficient clustering algorithm using harmony memory search for wireless sensor network	Narmadha, C., Marichamy, P., Narayanan, A.E.	Internatio nal Review on Modelling and Simula tions	2018	5	1	P.S.R.Engi neering college, sivakasi.
Design of faulttoler ant Reversible Floating Point Division [Na?rtovanj e proti napakam odpornega reverznega deljenja s plavajo?o]	Kamaraj, A., Marichamy, P.	Informacij e MIDEM	2018	5	1	P.S.R.Engi neering college, sivakasi.
Developmen t of Super hydrophobi c Microfib ers for Bandage Coatings	Raja, T.S.G., Je yasubraman ian, K., I ndhumathy, M.	Fibers and Polymers	2018	5	1	P.S.R.Engi neering college, sivakasi.
Effect of environmen tal pollutants on taste c omposition based on e lectroence phalograph y signal analysis	Chandran, K.S., Peru malsamy, M.	Ekoloji	2018	5	1	P.S.R.Engi neering college, sivakasi.

in an indoor environment						
Decision model for supplier evaluation and selection in process industry: A hybrid DEA approach	Pitchipoo, P., Venkumar, P., Rajakarunakaran, S., Ragavan, R.	International Journal of Industrial Engineering : Theory Applications and Practice	2018	5	1	P.S.R.Engineering college, sivakasi.
Moving shadow detection based on stationary wavelet transform and Zernike moments	Nagarathinam, K., Kathavarayan, R.S.	IET Computer Vision	2018	5	2	P.S.R.Engineering college, sivakasi.
Modal density of honeycomb sandwich composite cylindrical shells considering transverse shear deformation	Josephine Kelvina Florence, S., Renji, K., Subramanian, K.	International Journal of Acoustics and Vibrations	2018	5	2	P.S.R.Engineering college, sivakasi.
Design of integrated reversible fault tolerant arithmetic and logic unit	A, K., P, M.	Microprocessors and Microsystems	2018	5	0	P.S.R.Engineering college, sivakasi.
Decision model for supplier evaluation and selection in process industry: A hybrid DEA approach	Pitchipoo, P., Venkumar, P., Rajakarunakaran, S., Ragavan, R.	Pitchipoo, P., Venkumar, P., Rajakarunakaran, S., Ragavan, R.	2018	5	0	P.S.R.Engineering college, sivakasi.
Development of Big	Venkatesh, R., Balasu	Journal of Medical	2019	5	0	P.S.R.Engineering

Data Predictive Analytics Model for Disease Prediction using Machine learning Technique	bramanian, C., Kaliappan, M.	Systems				college, sivakasi.
Design, performance evaluation and analysis of the inlet tube of pressure sensor for chamber pressure measurement	Gobi, K., Kannapiran, B., Devaraj, D., Valarmathi, K.	Sensor Review	2019	5	0	P.S.R.Engineering college, sivakasi.
Using fuzzy inference system for interference mitigation in cognitive radio based heterogeneous wireless sensor network(FISCO RHAN)	Shanthi, T., Sakthivel, E., Arunraja, M.	Shanthi, T., Sakthivel, E., Arunraja, M.	2019	5	0	P.S.R.Engineering college, sivakasi.
Effect of zinc nickel coating on properties of Nitrided AISI 1040 steel	Kumar, M.S., Ragu nathan, S., Shenbaga Velu, P., Suresh, M., Srinivashan, V.R., Kumaravel, P.	Materials Research Express	2019	5	0	P.S.R.Engineering college, sivakasi.
A Novel Securable Fuzzy Logic Based	Manoharan, S.N., Soundar, K.R.	Wireless Personal Communications	2019	5	0	P.S.R.Engineering college, sivakasi.

Ranking Scheme for Document Searching on Outsourced Cloud Data						
Design, graph theoretical analysis and bioinformatic studies of proanthocyanidins encapsulated ethyl cellulose nanoparticles for effective anticancer activity	Kunjiappan, S., Theivendren, P., Sankaranarayanan, M., Somsundaram, B., Subbarayan, S., Arunachalam, S., Parasuraman, P., Sivakumar, V., Murugan, I., Baskararaj, S.	Biomedical Physics and Engineering Express	2019	5	0	P.S.R.Engineering college, sivakasi.
An approach by adopting multiobjective clustering and data collection along with node sleep scheduling for energy efficient and delay aware WSN	Guruprakash, B., Balasubramanian, C., Sukumar, R.	PeertoPeer Networking and Applications	2019	5	0	P.S.R.Engineering college, sivakasi.
HHFDS: Heterogeneous hybridized fuzzybased Dijkstra's multitask scheduling in WSN	Prakash, B.G., Chelliah, C.B., Ramanujam, R.S.	Concurrency Computation	2019	5	0	P.S.R.Engineering college, sivakasi.
Shear behaviour of glass fibre reinforced geopolymer concrete	Nithyapriya, K., Subramanian, K., John Britto, X., Muthuraj,	Lecture Notes in Civil Engineering	2019	5	0	P.S.R.Engineering college, sivakasi.

	M.P.					
An analytical study of lean implementation measures in pump industries in India	Mohan Prasad, M., Ganesan, K., Parantharan, K.P., Rajesh, R.	International Journal of Enterprise Network Management	2019	5	0	P.S.R.Engineering college, sivakasi.
Graph Theoretical Analysis, Insilico Modeling and Formulation of Pyrimidine Nanoparticles as p38 [?] MAP Kinases inhibitors: A Quantitative Proteomics Approach	Theivendren, P., Kunjiappan, S., Govindraj, S., Chandrasekarn, J., Pavadai, P., Saraswathy, G.R., Murugan, I.	Drug Research	2019	5	0	P.S.R.Engineering college, sivakasi.
EEG Based Strategies for Human Gustation Classification Using Spartan-6 FPGA	Chandran, K.S., Perumalsamy, M.	Wireless Personal Communications	2018	5	0	P.S.R.Engineering college, sivakasi.
LTE: An enhanced hybrid domain downlink scheduling	Priya, L.R., Ruba Soundar, K.	Cognitive Systems Research	2018	5	0	P.S.R.Engineering college, sivakasi.
Implementation of sewage treatment plant in the vicinity of latitude 9.290, longitude 77.70, Tamil nadu, India	Edwin, A., Indrani, G., Vaishnavi, G., Selvam, K.A.	International Journal of Civil Engineering and Technology	2018	5	0	P.S.R.Engineering college, sivakasi

BUTHA: Boost Up Clock Terminal with Heuristic Approach for NoC	Sakthivel, E., Malathi, V., Arunraja, M.	Journal of Circuits, Systems and Computers	2018	5	0	P.S.R.Engineering college, sivakasi
Design of optimised logic interface for network architecture	Sakthivel, E., Arunraja, M., Uma, K.D., Shanthi, T., Muthukrishnan, A.	Electronic Letters	2018	5	0	P.S.R.Engineering college, sivakasi
Graph Theoretical Analysis, in Silico Modeling, Synthesis, AntiMicrobial and AntiTB Evaluation of Novel Quinoxaline Derivatives	Saravanan, G., Selvam, T.P., Alagarasamy, V., Kunjiampan, S., Joshi, S.D., Indhumathy, M., Kumar, P.D.	Drug Research	2018	5	0	P.S.R.Engineering college, sivakasi
One modulo N graceful ness of Crowns, Armed crowns and Chain of even cycles	Ramachandran, V., Sekar, C.	Ars Combinatoria	2018	5	0	P.S.R.Engineering college, sivakasi
Meeting deadlines using artificial bee colony (ABC) based resource mechanism in public clouds with task replication in largescale biomedical	Ramathilagam, A., Vijayalakshmi, K.	Journal of Computational and Theoretical Nanoscience	2018	5	0	P.S.R.Engineering college, sivakasi

data						
Design, development and performance evaluation of eddy current displacement sensor based pressure sensor with target temperature compensation	Gobi, K., Kannapirai, B., Devaraj, D., Valarmathi, K.	Defence Science Journal	2018	5	0	P.S.R.Engineering college, sivakasi
Editorial	Pitchipoo, P.	International Journal of Computer Aided Engineering and Technology	2018	5	0	P.S.R.Engineering college, sivakasi
Hybridization of firefly and ant colony optimization algorithm for job shop scheduling	Muthiah, A., Pitchipoo, P., Rajkumar, R.	Journal of the Balkan Tribological Association	2018	5	0	P.S.R.Engineering college, sivakasi
A survey on mobile task offloading and scheduling techniques	Erana Veerappa Dinesh, S., Valarmathi, K.	Journal of Advanced Research in Dynamical and Control Systems	2018	5	0	P.S.R.Engineering college, sivakasi
Classification with modified deep belief network for large dataset	Algarsamy, A., Kathavarayan, R.S.	International Journal of Engineering Research and Technology	2018	5	0	P.S.R.Engineering college, sivakasi
Fuzzy logic based decision making for	Vedhanayagi, S., Madavan, R.,	Advances in Intelligent Systems	2018	5	0	P.S.R.Engineering college, sivakasi

selection of optimized liquid insulation blend	Balaraman, S., Saroja, S., Ramesh, S., Valarmathi, K.	and Computing				
Design, development and performance evaluation of pressure sensor using eddy current displacement sensing coil	Gobi, K., Kannapiran, B., Devaraj, D., Valarmathi, K.	Sensor Review	2018	5	0	P.S.R.Engineering college, sivakasi
A new assessment on mechanical properties of jute fiber mat with egg shell powder/nanoclay reinforced polyester matrix composites	Ganesan, K., Kailasanathan, C., Sanjay, M.R., Senthamaraikannan, P., Saravanakumar, S.S.	Journal of Natural Fibers	2018	5	0	P.S.R.Engineering college, sivakasi
Reduction of blind spots in heavy transport vehicles through the optimization of driver seat design	Vincent, D.S., Pitchipoo, P., Rajini, N., Rajakurunakaran, S.	International Journal of Computer Aided Engineering and Technology	2018	5	0	P.S.R.Engineering college, sivakasi
Synthesis, structural elucidation, catalytic, antibacterial and antioxidant activity	Vairalakshmi, M., Princess, R., Kokilaranid, B., Johnson Rajae, S.	Journal of the Chilean Chemical Society	2018	5	0	P.S.R.Engineering college, sivakasi

of thiophene derived mixed ligand metal complexes						
Estimation of strains in composite cylindrical shells in a statistical energy analysis framework	Josephine Kelvina Florence, S., Renji, K., Subramanian, K.	Applied Acoustics	2019	5	0	P.S.R.Engineering college, sivakasi
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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	1	61	10	138
Presented papers	32	16	0	51
Resource persons	0	5	4	7
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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)
CSE	Automatic Liver Segmentation in CT Images	Aarthi Scans and Labs, Tirunelveli	130000
Civil	Cube Compression test	Narmatha Hospital site, Sivakasi	750
Civil	Cube Compression test	Neomax Pvt. Ltd, Harshitha Hospital, Virudhunagar.	750
Civil	Cube Compression test	Narmatha Hospital site, Sivakasi	1000
Civil	Soil Test	Union primary school, Narikkudi	6000
Civil	Cube Compression test	Narmatha Hospital site, Sivakasi	750
Civil	Soil Test	Panchayat union middle school, Kuppampatti,	6000

		Virudhunagar	
Civil	Soil Test	Panchayat union middle school, arasakulam, Kariyapatti union, Virudhunagar dist.	6000
Civil	Soil Test	Sethupathi Union primary school, thiruchuzhi,	6000
Civil	Soil Test	Panchayat union middle school, Pothulupatti, Sivakasi	6000
Civil	Soil Test	Union primary school, sengamalampatti, Sivakasi	3000
Civil	Soil Test	Panchayat union middle school, Melakkallan kulam, Kariyapatti, Virudhunagar	6000
Civil	Brick Test	Vishnu Hi tech Bricks N Blocks, Kundampatti, Thiruvengadam (tk)	500
Civil	Soil Test	Panchayat union middle school, Maruluthu, Virudhunagar	6000
Civil	Soil Test	Nagarachi muslim Middle School, Virudhunagar	6000
Civil	Soil Test	Panchayat union middle school, Chin namupanpatti, Virudhunagar	6000
Civil	Soil Test	Panchayat union middle school, Chin namanayakanpatti, Sivakasi	6000
Civil	Soil Test	Panchayat union middle school, Ayansalvarpatti, Vembakottai	6000
Civil	Soil Test	Union primary school, Oothupatti, Elayirampanai	6000
CSE	Website Creation Consultancy	Malgudi Mittai, Sivakasi	210000
CSE	Automation of Billing System	Senthil Andavar Automobiles,	125000

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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
Dr.K.Valarmathi	Labview based Automation	Waxwing Automation	10000	10
Dr.P.Ranjith kumar	Machine Learning	Sofia Infotech	15000	15
Dr.M.Shahul Hameed M.Venkada Subramanian	Fire safety awareness	Aarthi Scans, Kovilpatti	10000	22
Dr.P.Pichipoo	Fire Safety Programme	Aarthi Scans,Ti runelveli	10250	15
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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
Seminar on Celebrating Life	RRC, Mr.M.Kaliappan, ICTC/STD Counsellor Govt. Hospital , KallamaNaicken Patti	2	72
Peer Education Interacting Training	RRC/ Mr.N.Kaliappan, ICTC/STD Counsellor and S.Susila, HIV Ullor Nala Sangam Govt. Hospital , KallamaNaicken Patti	2	105
Awareness about Prevention of Alcohol	YRC/ Mr.Gnana Sivakumar, District Superintendent of Police (DSP) Virudhunagar	2	150
Awareness about Blood Donation	YRC/ Dr.B.Sailesh kumar Blood bank medical office, Govt. Hospital' Sivakasi	2	80
Save Fire Works	P.S.R.Engineering college, Sivakasi.	2	60
Blood Donation camp	Aarthi Scans and	2	60

	Hospital Kovilpatti		
Free Eye camp	Aravinth Eye Hospital , Tirunelveli	2	60
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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
Women self help group under the guidance of Tamilnadu rural livelihood mission	Supports and Arrangements	Project Director(Tamilnadu rural livelihood mission) Virudhunagar	500
Assistant Commissioner INCOMETAX has given a brief Speech about the operation clean money	Supports and Arrangements	Assistant Commissioner INCOMETAX, Virudhunagar.	500
Recognition for School Teachers	Supports and Arrangements	Chief Educational Officer, Virudhunagar	1500
College Bazaar	Supports and Arrangements	Chief Educational Officer, Virudhunagar	200
EMIS Online Entry	Supports and Arrangements	Chief Educational Officer, Virudhunagar	50
Physical Education	Supports and Arrangements	Chief Educational Officer, Virudhunagar	50
Teachers Recognition for produced 100 Result in Higher Secondary Examination.	Supports and Arrangements	Chief Educational Officer, Virudhunagar.	2300
Refresher Course for Government High and Higher Secondary School	Supports and Arrangements	Chief Educational Officer, Virudhunagar.	1800
Refresher Course for Government High and Higher Secondary School Teachers.	Supports and Arrangements	Chief Educational Officer, Virudhunagar.	1500
Motivational Program for Plus Two Student	Supports and Arrangements	Chief Educational Officer, Virudhunagar	2000
Online Data Entry(EMIS) of High	Supports and Arrangements	Chief Educational Officer,	100

and Higher Secondary School Teachers.		Virudhunagar.	
Carrier Guidance Program	Supports and Arrangements	Chief Educational Officer, Virudhunagar.	18000
Refresher Course for physical Directors and physical educational teachers	Supports and Arrangements	Chief Educational Officer, Virudhunagar	350
Young Achiever Award For Plus Two Students Securing First/Second/Third Place in Higher secondary examination in school level of virudhunagar	Supports and Arrangements	Chief Educational Officer, Virudhunagar.	2300
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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
Kidathon	JCI Dynamic, Sivakasi	Competition	15	60
Celebrating Life	Red Ribbon Club (RRC)	Seminar	5	72
Free Eye Check-up Camp for Rural People	Aravind Eye Hospital	Eye Check Up	12	50
Swachh Bharat Mission	Bharathi Middle School	Camp on Swachh Bharat Mission	5	50
Peer Education Interactive Training Programme	Red Ribbon Club (RRC)	HIV Awareness	5	105
Incinerator awareness program for Women	Women Empowerment Cell	Awareness on Hygienic	30	615
Good habits and diet for healthy life in Humans	Women Empowerment Cell	Seminar	30	1010
Training programme on Psychological First Aid	Women Empowerment Cell	Workshop	30	1021

Basic counseling and Psychotherapy	Women Empowerment Cell	Training	30	935
Motivation programme by women achievers	Women Empowerment Cell	Motivational Speech	30	829
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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	P.Marichamy	College	150
Research	K. Valarmathi	College	180
Research	K.Ruba Soundar	College	150
Research	C.Balasubramanian	College	150
Research	S Singaravelan	College	150
Research	Rajasoundaran Soundararajan	College	150
Research	H.Kanagasabapathy	College	150
Research	P Shenbaga Velu	College	180
Research	P.Raja	College	180
Research	M. Shaul Hameed	College	180
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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	Apex biotechnology training and research institute, 89, Parthasarathy St, Tiny Sector, Thiru Vi Ka Industrial Estate, Ekka tuthangal, Chennai	19/12/2018	15/03/2019	J. Irine briny hepzibha, Selvapriya.R
Customer Relationship Management	Training	Adroit soft India private Ltd, 46/3,	19/12/2018	15/03/2019	Ajith Saravana.A, G.Raja, R.Br abalakshmi,

		Reserve Bank Colony, Chromepet, Chennai			Maideen Beevi.K,
Internship	Internship	Abito Motors (Yamaha Dealers),115-7, Madurai Main Rd, Kayathar	17/12/2018	15/03/2019	Sangeetha S
Industrial Visit	Industrial Visit	Kerala State Electronics Development Corporation Limited, Corporate Office Keltron House, Vella yambalam Trivandrum 695 033 Phone: 0471 - 2724444	14/08/2018	14/08/2018	Third Year Students
Industrial Visit	Industrial Visit	Kerala Electrical and Allied Engineering Corporation Limited, No. 7th Floor, Kshb Office Complex, Panampilly Nagar, Panampilly Nagar, Kochi -682036, Kerala	31/07/2018	31/07/2018	Final Year Students
Inplant Training	Training	Zealsoft Technology Solution,2nd floor, 24, soundarya Towers, 2nd St, Kuruvikaran Salai, Madurai-20, Tamil Nadu 625020, Ph.no: 099449 74003	19/11/2018	23/11/2018	Gopika Shree.S
Inplant Training	Training	appin Technology Lab, 144, Sengupta Street, Near	13/05/2019	17/05/2019	Vidhya.K, Mounika.R

		Hotel City Towers, Ram Nagar, Coimbatore. Ph.no: 7708040305			
Internship	Internship	Apollo Munich Health Insurance, Toll Free No. 180 0-102-0333	19/12/2018	15/03/2019	Ashokkumar S
Internship	Internship	Prem Auto Links (P) Ltd. Plot No. D-23, SIDCO Industrial Estate, Kappalur, Madurai India PIN : 625008 0452 2482500	19/12/2018	15/03/2019	Sundarrajan K
Internship	Internship	Siva Auto Agencies, Tvs Bike Service Point, Rajapalyam Road, Sankarankovil, Tamil Nadu 627756 Phone: 094434 52898	19/12/2018	15/03/2019	Kottathai S

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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
Clamsys consultancy services Pvt Ltd, Chennai	16/05/2018	Internship Projects, Training	11
Uniq Technologies, Tirunelveli	03/05/2018	Implant Training, Project Works	8
Aurora Technovations, Tiruumangalam	03/05/2018	Workshops, Training, Courses	100
CADD Master 5C Training Center, Madurai.	12/07/2018	Programming languages training	140

Supreme Coated Board Mills (P) Ltd, Sivakasi	25/04/2018	Internship Projects, Training	140
Creative Industries	16/05/2018	Collaborative research activity and internship training program	129
Bharat ready mix concrete	16/05/2018	Collaborative research activity	129
Nativelead Foundation, Madurai	20/08/2018	Collaborative Entrepreneurship Development Activities	70
Texas Instruments	07/02/2019	Collaborative research activity	285
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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	250

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Existing
Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Video Centre	Newly Added
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing
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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	Current	2003

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	30392	6583300	951	380400	31343
Reference Books	5674	2843645	50	20000	5724	2863645
e-Books	4611522	0	2006	613528	4613528	613528
e-Journals	6439	0	525	0	6964	0
CD & Video	3627	0	33	0	3660	0
Journals	117	0	5	0	122	0
Library Automation	1	0	0	0	1	0

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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
Mrs.M. Piramu	Data Base ManagementNoSQL installation	Google Class Room	25/01/2019
Dr.S.Priyadarsini	Computer Networks TCP	MS Office	11/01/2019
Dr.A.Ramathilagam	Service Oriented Architecture	MS Office	18/01/2018
Mr.R.PalaniKumar	Multimedia Systems	Google Class Room	20/12/2018
Dr.P.Karuppasamy	Fundamentals of Electronics	Video Lecture Caputuring	07/01/2019
Mrs.P.Mathina	Wireless Networks	Video Lecture Caputuring	24/12/2018
Mrs.P.Lingeswari	Control Systems	Video Lecture Caputuring	24/12/2018
Mrs.R.Ramani	Object Oriented Software Engineering	PPT, Video	07/12/2018
Dr.S.Rajasundaran	Internet of Things	MS Office	27/12/2018
Mr.D.Sriram	Partial Differential Equation	PPT, Video	31/10/2018
Mr.M.Saravanan	Soft Skills Techniques	Video Lecture Caputuring	22/10/2018
Mr.P.Gopalakrishnan	Laser Applications	PPT, Video	28/08/2018
Dr.S.Sona Devi	Electro Chemistry	PPT, Video	24/12/2018
Dr.P.Kannan	Operation Management	Google classroom	22/02/2019
Dr.V.Vasant	Financial System	Ms Office	21/01/2019

Mrs.V.Varalakshmi	Plant Biotechnology	Video	04/01/2019
Dr.K.Subramanian	Principle of Genetics	Video Lecture Caputuring	04/01/2019
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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	583	7	1	1	1	8	7	105	0
Added	234	0	0	0	0	0	0	0	0
Total	817	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	www.psr.edu.in/econtent.html

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
140	139	100	107.5

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)

- The following maintenance cells are functioning in the college o Electrical Maintenance cell o Building maintenance cell o Computer Maintenance cell • Maintenance cell is in place to take care of civil, electrical and furniture routine checkups and repairs. • Routine inspection and checkups are performed. • Complaint registers are maintained for maintenance. • Minor repairs are carried out by inhouse staff. • Major repairs are outsourced. • To maintain electrical related accessories of the institution in an effective manner, to manage the complaints procedure, to carryout investigation and to provide technical advice and supports • Maintenance cell meets once a month to take review and discuss any major problems. • Computer Maintenance cell (CMC) take care of computer maintenance of the institution. • Routine cleaning of premises including toilet blocks by sanitary workers. • Routine cleaning of water tanks, coolers and filters is carried out. • Removal of Obsolescence - Furniture - Equipment - Teaching Aids • Binding of Books, Journals and Magazines • Modernization of Labs/faculty rooms • Maintenance of Electrical Installations • Maintenance of Vehicles • White washing and Maintenance of buildings • Website maintenance cell maintains and updating of curricular, extracurricular and

cocurricular activities, events and notification of day to day activities. • Water purifier and Cold water storage is available for staff and students and It is well maintain. • The security of the institution and hostel is taken care of personnel recruited by the management. They guard the gates, patrol the campus and ensure security for throughout the day and night with professionally trained staff. • All the classrooms, laboratories, offices, libraries and all the places of work are properly locked without prejudice to the balance of secrecy and transparency. • CCTV cameras are installed wherever necessary • All laboratories are provided with fire extinguishers • All electrical installations are periodically checked and maintained • A wellfurnished Canteen is functioning in the campus. It offers hygienic food for both the faculties and students. The Food quality committee regularly inspect the quality of the foods. • A Medical practitioner in the cadre of Civil Surgeon visits the Institute periodically and looks after the medical needs of all the dayscholars, staff and hostellers and issues medicines for the simple ailments. • Paramedical staffs are available for providing first aid to students and staff inside the campus. In case of necessity of urgent and specialized medical services the patient will be referred to the Govt. Hospital or any local medical Hospital. • College has vehicles with first aid facility to travel for emergency cases. • There are technicians, masons, plumbers, carpenters and sweepers deputed by management who ensure the maintenance of classrooms and related infrastructure. • The well developed gardens are maintained by gardeners.

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	397	2500000
Financial Support from Other Sources			
a) National	First Generation Graduates, BC/MBC/DNC Scholarship, Post Metric Scholarship	1142	23825365
b)International	Ni	0	0

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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 implemetation	Number of students enrolled	Agencies involved
Career Counselling	30/07/2018	530	Refer Excel File
Soft skill development	30/07/2018	1520	Refer Excel File
Remedial coaching	03/08/2018	520	PSR Engineering College
Language lab	13/08/2018	1450	PSR Engineering College

Bridge courses	11/07/2018	590	PSR Engineering College
Yoga and Meditation	05/09/2018	1371	PSR Engineering College
Personal Counselling / Mentoring	02/07/2018	2085	PSR Engineering College
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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
2018	Competitive Exam Guidance Career Counselling	530	530	9	368
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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
6	6	15

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
Clamsys Consultancy, Bevywise Networks, Ridsys, Venpa Staffing Services, JMan Digital Services, UNIQ Technologies, IDBI Federal Insurance, Milekal Engineering Private Ltd, Hinduja	447	324	ZIFO Technologies Mitrah soft Tech, Wind Care India, Infiniti Software Solutions, Sri Sakthi Auto Components, Presto Land Survey. CTS, HCL, SmartDV, NHV Sri Mookambika Info Vision, Tata	320	43

Global Solutions, , Adroit Soft India Just Dial			Consultancy Services , TNQ Books and Journals, , Sm	
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	B.Tech	BioTechnology	Kamaraj College of engineering Tech	M.Tech. BioT echnology
2019	2	B.Tech	BioTechnology	Mepco sehlenk Enginnering college	M.Tech. BioT echnology
2019	8	B.E	Computer Science	P.S.R Enginnering College	M.E (Computer Science)
2019	2	M.E	Mechanical	P.S.R Enginnering College	M.E Engineering Design
2019	4	B.E	ECE	P.S.R Enginnering College	M.E Applied Electronics
2019	4	B.E	EEE	P.S.R Enginnering College	M.E. Power Electronics & Drives
2019	5	B.E	CIVIL	P.S.R Enginnering College	M.E Structural Engg.

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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	2
Any Other	9

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

Activity	Level	Number of Participants
Talunt 2K19 InterCollegiate Management Meet (PG)	Inter collegiate	150
Managtural 2K19	Inter collegiate	410

InterCollegiate Management Meet (UG)		
Quest 2K19 IntraCollegiate Management Meet	College	47
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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	Triple Jump Long Jump	National	2	0	16BT006	Gayathri M
2019	4x100 Relay, 200m & 400m Atheletics	National	3	0	1607065	Vigneswara n P
2019	4x100 Relay	National	1	0	5993174641 52	Ajith kumar S
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute believes in giving opportunity to the students in supporting the authorities and the institute faculty in running the affairs of the institute. For this, the institute provides them with opportunities 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 The goal of the Class Committee is to improve the teachinglearning 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. Internal Quality Assurance Cell (IQAC) Student representatives are nominated for this cell who involves in the decisions regarding the quality initiatives of the institute. AntiRagging Committee Student members assist the institution in implementing rigid antiragging measures so that the institution becomes raggingfree campus. Three students selected as a member from each department. Grievanc eand Redressal Cell The student member from each department 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 It 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. Hostel committee A student member from each yearis nominated as the member of the committee. The students communicate to the concerned authorities totake 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 It provides the practical exposure to the students, through regular activities like technical seminars, symposium, talks on ongoing research practices from distinguished practitioners in the industry. Student members from each class actively take part in the hosting of events. Board of studies One student representative from UG, PG and Alumni take part in the revision and updating of syllabi and be submitted to the Academic Council for approval. 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 a social, physical and psychological environment that will raise awareness about and deter acts of sexual harassment of women.. Women empowerment Cell Two Girl Students are nominated from each year for the Conduction of Women empowerment, health awareness, first aid training, skill courses, Contests, Gender equity awareness programs.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

“P.S.R. Engineering College Alumni Association – Appayanaickenpatti” (SL.No.:358/2018) is registered under Registrar of Society, Virudhunagar with the following objectives:

- To promote the contact and communication amongst members of the association, between the association and the college and other academic bodies/organization.
- To provide a forum for the members of the association for exchange of experience, information and views.
- To assist students and scholars of college and members of the association in their academic pursuits and professional careers.
- To hold meetings, conference etc., and organize lectures and social gatherings.
- To publish souvenirs, newsletters, reports and notifications
- To raise funds from its members and other individuals and organizations for institute scholarships, prizes etc.,
- To frame the rules 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.
- To take up any other activity in furtherance of the objectives stated above.

Mentorship: Alumni donate their valuable time to offer career support to current students and their juniors. This will enhance the students’ experience and give them that competitive edge in today’s tough job market. Placement: The alumni network is one of the biggest sources of placement opportunities to the students. Alumni can help students get placed at their respective organizations. Career Guidance: Talented alumni will likely have a wealth of experience and skills to share with current students via talks and meets. In certain cases, this could go even further with alumni offering to practically support students in work placements and help them launch their careers. Alumni relations have become a strategic asset for any kind of higher education institution willing to stand out from the domestic and international competition. Networking Platform: P.S.R Engineering College Alumni Association network allows the institution to benefit from the skills and experience of their graduates, by offering support to the students for interaction, guidance related to career opportunities. Alumni are our most loyal supporters and our best ambassadors, offering invaluable marketing and promotion across their personal and professional networks. College Alumni Day: College Alumni day/Meet is regularly organized to provide the platform to the alumni to interact with the institution, students and faculty members. Alumni meets are also held at various locations where the former students share their industry experiences

with the students which enables them to gear up with the competitive world. Contributions of alumni Alumni contribute their valuable presence to conduct Guest Lecture, Seminar, Workshop etc. in their respective Departments. Alumni are invited for Board of Studies and Academic Council meeting held every year. Alumni also provide some financial support to the institution.

5.4.2 – No. of registered Alumni:

512

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

2245001

5.4.4 – Meetings/activities organized by Alumni Association :

• Conducted one day seminar on "Introduction of digital marketing" by Mr. K.B.Srinivasan, Alumni, 2016 Batch, on 16.6.2017 • One day awareness program on job in Electric Field by Mr.V. Manikandan ,Alumni, on 28.01.2019. No. of Alumni Meeting Conducted : 2 Date: 23.02.19 28.03.19

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)

Every department has a class, course committee, Department academic review Committee, department academic audit committee, etc. The class committee consists of the faculty members handling the particular course, student representative and a chairman appointed by HoD, not handling any course to that class. The Committee meet three times in a semester and asses the academic progress, address the issues in teaching learning process and students concerns about the faculty etc. and suitable solve issues and a send a Minutes to meeting to the HoD for further followup. The course committee is formed if two or more sections of a particular year having same subject taught by two or more faculty members. It meets twice in a semester to monitor common progress of course and common issues are discussed and this committee will also send the Minutes to meeting to the HoD. All HoDs of the institution are empowered to organize training on value added course, workshop, symposium, conferences, etc., for development of their faculty members and students. Based on the feedback from all the stakeholders, the modification or improvement in academic process through respective BoS in which each HOD acts as the Chairperson. The BoS approve and recommends changes in the curriculum and evaluation method according to the industry needs to Academic council for the approval. Recently the college adopted new regulation R2019 with Choice Based Credit System (CBCS) for enhancing the level of knowledge and professional skills of the students. The training and placement cell of the college will plan and execute the college level common training programme such as training on personality development, motivation, Group discussion, facing interview etc. This cell will plan its activities at the start of the year and get approval from the management. The budget for conducting the training and placement activities are prepared and after detailed discussion get approved by the finance committee. The budget for department level requirements such as consumable, maintenance, new equipment, facilities for research and development in emerging areas will be prepared and discussed in the department meeting. The required research and other facilities are finalized in the meeting and request sent for the financial assistance. The request is further discussed and approval from will be given by finance committee. All departments are empowered to plan and execute the training programmes using internal faculty members for the development of students on specific skills. The department can arrange regular

alumni interaction to motivate the students. The department can invite industry experts for training on industrial practices. Each department is encouraged to establish on center of excellence with a support of industry. The college has established research and consultancy cell for involving our faculty members in collaborative research, testing services for industry and consultancy. It is head by Dean Research and consultancy with one coordinator from each department. It will regularly meet and discuss the progress of ongoing projects and new funding proposal. It will guide all the faculty members for writing the funding proposal, support the publications and creating research facilities.

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
Curriculum Development	<p>? Internal external experts from academia and experts from Industry Alumni are involved in Curriculum development process by including them in the Board of Studies, Academic Council and Governing Council which are statutory bodies that are responsible for the Curriculum/Syllabus development process. ? By involving the stakeholders in the curriculum design, the college ensures that the curriculum developed encompasses components for employability, research, topics in emerging trends, social relevance and social needs. • The College follows the guidelines for curriculum development and restructuring set down by the UGC AICTE and Anna University.</p>
Admission of Students	<p>Admission Procedure The college adopts common policies and procedures for admission, irrespective of the Courses. There are two Quotas for Admission. • Government Quota • Management Quota Government Quota Candidates seeking Admission for UG Programmes under the Government Quota have to send the filled Application forms (Tamilnadu Engineering Admissions) to 'The Secretary, Engineering Admissions, Anna University, Chennai - 25.' Merit list will be prepared by Anna University and the students will be called for counselling as per the merit list. Allotment of colleges branches will be done in the counselling session. Management Quota • Application for admission to a course under Management Quota is made through consortium of selffinancing Arts Professional Colleges in the prescribed form, which</p>

will be sent along with the prospectus.

- Application form should be properly filled in and sent to the Admission Office or handed over in person along with necessary documents

Teaching and Learning

- CBCS adopted
- Chalk and Talk
- Modern teaching aids like PowerPoint presentations, overhead projectors (OHP), LCD projectors, demo models and computers with internet facility are employed by the faculty for effective teaching.
- Smart interactive board facilities for teaching
- The students use software packages for learning the concepts, simulating experiments and data analyses.
- Elearning resources from NPTEL and other resources are made available to the students and faculty.
- Seminars, workshops, guest lectures, and value added courses are being arranged for effective teaching and learning.
- Project based learning and Miniprojects
- The students are encouraged to utilize the video lectures available from the internet sources like Youtube for understanding the concepts.
- Inplant Training, Internships and Industrial Visits

Examination and Evaluation

All the processes of examination and evaluation are automated using a custom made GEIS and IBOSSEMS software package.

- ? The Evaluation pattern of the end semester comprises with has 30 mark weightage Internal Assessments Tests and 70 mark weightage for End semester Examination.
- ? Question paper preparation as per Bloom's Taxonomy
- ? Scrutiny of Question Papers by external members
- ? Passing score is minimum 50 , subject to the scoring of 50 marks in terminal ? examination
- ? Dummy Numbers for Answer scripts
- ? Online results declaration
- ? Answer paper going through before revaluation
- ? Supplementary Examination at weekends during semester

Research and Development

- ? The college has a research and development committee to coordinate the activities related to research. The committee is headed by the principal, Dean (Research) and faculty members having Ph.D. qualification as its members.
- ? The Department of CSE, ECE, EEE, Mech and Civil are recognized research Centre of Anna University, Chennai.
- ? Incentives for research

	<p>publications and research projects ? Due to the continuous encouragement, for project proposals worth of Rs. 25 lakhs have been received from AICTE. ? Received Three minor projects from TNSCST, Chennai and Texas Instruments, Bangalore.</p>
<p>Library, ICT and Physical Infrastructure / Instrumentation</p>	<p>? The college boasts a wellstocked and digitalized central library with college and departmentwise division to ensure easy, quick and efficient access to desired data. ? IBOSSEMS, GEIS automation OPAC online access system have been employed in library. ? Provide access to ejournals such as IEEE, Springer, Science Direct, DELNET, NMEICT and Nlist ? The Librarian helps the departments to purchase the latest edition of the books as per the requirement of the faculties. ? Every department has individual airconditioned seminar hall with LCD projector, system with internet connection</p>
<p>Human Resource Management</p>	<p>? Institution makes every effort to offer benefits that will appeal to faculty and staff in improving self and the entire campus. ? 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 multiskills 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>
<p>Industry Interaction / Collaboration</p>	<p>MoU's have been signed with ? Ethnotech Academic Solution, Bengaluru , Soft skills and Industry skills training and development Academy, Focus Academy for Career Enhancement (FACE), Coimbatore and Ethnus Training Skill Development Private Limited, Bangalore for placement assistance in multidisciplinary sectors. ? MOU with BSNL, Uniq Technologies , Tirunelveli, Waxwing Technologies, Aarthi Scans and National Institute of Wind Energy</p>

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

E-governance area	Details
Planning and Development	? 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 functions 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
Finance and Accounts	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 • College , Bus and Hostel Fees Payment through Bank Account transfer • Remuneration towards conduct of Examination • Expenditure towards

	<p>functions and various activities. • Student's Scholarship details • Fund received from Government and NonGovernmental Organisation • Faculty's Salary Details • Other Administrative Expenses</p>
Student Admission and Support	<p>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.</p>
Examination	<p>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.</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/	Name of the	Amount of support
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		workshop attended for which financial support provided	professional body for which membership fee is provided	
2019	Ms.A.Dhanalakshmi	International conference on Innovations in Engineering, Science and Technology	Kalasalingam Institute of Technology. Krishnankovil.15 16 Feb 2019	2000
2019	Mr.K.Mahendran	International Conference on Recent Trends Engineering, Science and Technology,	SBM College of Engineering and Technology. Dindigul, 2 march 2019.	2000
2019	Mr.L.Arun Raja	International Conference on Recent Trends Engineering, Science and Technology	SBM College of Engineering and Technology. Dindigul, 2 march 2019.	2000
2019	Mr.S.Vijayabaskar	International Conference on Recent Trends Engineering, Science and Technology	SBM College of Engineering and Technology . Dindigul, 2 march 2019	2000
2018	Dr.P.Ranjith Kumar	Workshop on Artificial Intelligence Deep Learning	Saints gits Engineering College, Kottayam, Kerala	2500
2018	Ms.M.Vimala	Workshop on Recent Trends Research Issues in Deep Learning	Thiyagarajar College of Engineering, Madurai	1000
2018	Dr.R.Arun	FDP On R Programming	G.Venkatasamy Naidu College,Kovilpatti	500
2018	Dr.S.Priyadarsini	FDP on Festival of Learning IoT and Cloudineering, Madurai.	Thiagarajar College of Engineering, Madurai	800
2018	Mrs.R.Ramani	FDP on Festival of Learning IoT and Cloud	Thiagarajar College of Engineering, Madurai	800
2018	Mr.S.Edwinraja	FDP on Recent Trends and Research Challenges in Deep Learning	Thiagarajar College of Engineering, Madurai	800

2018	Mr.P.Raghavan	FDP on Recent Trends and Research Challenges in Deep Learning	Thiagarajar College of Engineering, Madurai	800
2018	Mr. D.Sundarrajan	Conference on Recent Innovation In Mechanical Engineering ICRIME 2K19	Francis Xavier Engineering College, Tirunelveli	1000
2019	Dr. S. Anbarasi	International Conference on Enhancement in Electrical Electronics and computer Engineering on the title of " BFOA Tuned LFC based PID controller for two area Multi source system"	CAPE Institute of Technology	1250
2018	Mrs.K.Amsaveni	Machine Learning in Wireless Sensor Networks:Networking to Application Perspectives	National Engineering College,Kovilpatti	500
2018	Mrs.P.Archana	Machine Learning in Wireless Sensor Networks:Networking to Application Perspectives	National Engineering College,Kovilpatti	500
2018	Dr.A.Ramathilagam	Data Analytics	Ramco Institute of Technology,Rajapalayam	700
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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	Tips and Tricks in MSOffice	Tips and Tricks in MSOffice	20/11/2018	20/11/2018	47	11

2018	Outcome Based Education and AICTE Model Curriculum	NA	28/07/2018	28/07/2018	26	0
2018	ELearning ResourceGo ogle Class Room	NA	30/09/2018	30/09/2018	41	0
2018	Enjoyable Coding Workshop	NA	25/06/2018	25/06/2018	11	0
2018	Faculty Development Program on Instructional Design and Delivery System	NA	30/08/2018	30/08/2018	32	0
2018	Faculty Development Program on IOT and Its Real Time Applications	NA	14/09/2018	14/09/2018	24	0
2018	One Day FDP on Introduction to Python Programming	NA	14/11/2018	14/11/2018	24	0
2019	FDP Technical Challenges on Social IOT	NA	22/01/2019	22/01/2019	24	0
2018	Research Avenues of Neural network in Engineering and Technology	NA	24/11/2018	25/11/2018	53	0
2018	Two Day Workshop on writing research papers, citation analysis, plagiarism	NA	29/06/2018	30/06/2018	1	0

	,getting patent copy right					
2018	Sustainable Development and Clean Technologies	NA	03/07/2018	03/07/2018	1	0
2018	Recent Trends In Industry	NA	12/12/2018	12/12/2018	1	0
2018	Math and Art Design:MAD about Math, Math and Education and Outreach	NA	11/06/2018	10/07/2018	1	0
2018	Experimental Design, Prediction Modelling and optimization Tools	NA	12/12/2018	18/12/2018	1	0
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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 Hadoop (hortonworks) SA Engineering College, Chennai	5	20/08/2018	25/08/2018	6
FDP on Festival of Learning IoT and Cloud at Thiagarajar College of Engineering, Madurai	2	15/11/2018	16/11/2018	2
FDP on Big Data Analytics at New Horizon College of Engineering, Bangalore	2	21/01/2019	25/01/2019	5
FDP on Machine Learning in	2	16/11/2018	17/11/2018	2

Wireless Sensor Networks: Networking to Application Perspectives at National Engineering College, Kovilpatti				
FDP on Introduction to python programming at Karpagam College Of Engineering, Coimbatore.	5	17/09/2018	18/09/2018	2
FDP on Recent Trends and Research Challenges in Deep Learning at Thiagarajar College of Engineering, Madurai.	2	30/08/2018	31/08/2018	2
Tips and Tricks in MSOffice	15	20/11/2018	20/11/2018	1
Outcome Based Education and AICTE Model Curriculum	8	28/07/2018	28/07/2018	1
E Learning Resource Google Class Room	8	31/10/2018	31/10/2018	1
Enjoyable Coding Workshop	1	25/06/2018	25/06/2018	1
Instructional Design and Deliver System	35	06/10/2018	12/10/2018	7
Importance of skill enhancement of Engineering students	2	14/08/2018	14/08/2018	1
"Numerical Analysis Using Matlab"	2	15/05/2019	19/05/2019	5
Advanced Topics in the science and Technology of concrete	1	25/01/2019	03/09/2019	10
Introduction to Remote sensing	1	30/01/2019	01/02/2019	3

Ewaste management Issues and challenges	1	31/01/2018	04/09/2019	5
One week FDP on Digital signal processing	1	06/05/2019	13/05/2019	7
Five days on Smart Grid and distributed Generation technologies through ICT	1	07/01/2019	11/01/2019	5
FDP on Rprogramming	1	22/08/2018	23/08/2018	2
Five days on Smart Grid and distributed Generation technologies through ICT	1	11/07/2018	11/07/2018	1
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
33	33	15	15

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Transport facilities, EPF, Staff Club Group Insurance and Incentive for research funding and publication	Transport facilities, EPF, Group Insurance, ESI and Food allowance , Higher Studies	Dispensary, Group Insurance, Western Toilets and Ramps for physically disabled students, Financial assistance for economically backward students

6.4 – Financial Management and Resource Mobilization

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

The PSREC has a mechanism for internal and external audit for handling the proposed budget and expenses of various academic and administrative activities. The Institute has own internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors to verify and certify the entire Income and Expenditure and the Capital Expenditure of the College each year. The external auditing is done by Mr.P.Balasubraminan, Chartered Accountant, (MM No. 200597) Kovilpatti. In case of any error or mistakes which pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future.

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
PSREC Management ,Mrs .Padma ,Mr .Saravanan Venkadasamy ,Mr .Naveen Sundar ,Mr .S .Paulraj ,Mr .Saravanan Venkadasamy ,Mr .Naveen Sundar	510000	College Developmental Activities
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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	Anna University	Yes	IQAC Cell
Administrative	Yes	Chartered Accountant	Yes	Finance Committee

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 Speaker on August 2018. • 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 ePlan • Increased use of ICTassisted teachinglearning methods • Created Eco friendly Green Campus • Choice Based Credit system (CBCS) is being followed from the academic year 201617

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	NAAC sponsored National Conference on Innovation in Teaching and Learning process for Higher Education	22/02/2019	22/02/2019	23/02/2019	200
2018	NITTTR , Chennai PSREC jointly organize an International Conference on "Recent Trends in Education"	05/10/2018	05/10/2018	05/10/2018	70
2018	Regular meeting of Internal Quality Assurance Cell (IQAC)	04/06/2018	04/06/2018	22/11/2018	20
2018	Submission of Annual Quality Assurance Report (AQAR) to NAAC	19/09/2018	19/09/2018	19/09/2018	0
2018	Submission of NBA compliance report	26/12/2018	26/12/2018	26/12/2018	0
2018	Submission of Autonomous Status Extension Report to UGC	11/06/2018	11/06/2018	11/06/2018	0
2018	Registration of Alumni Association	27/11/2018	27/11/2018	27/11/2018	512
2019	Conduction	06/05/2019	06/05/2019	06/05/2019	10

	of Academic Administrative Audit (AAA)				
2019	Participation in NIRF	28/02/2019	28/02/2019	28/02/2019	0
2019	Participation in AISHE	19/01/2019	19/01/2019	19/01/2019	0
2018	Outcome Based Education and AICTE Model Curriculum	28/07/2018	28/07/2018	28/07/2018	180
2018	E Learning Resource Google Class Room	31/08/2018	31/08/2018	31/08/2018	150
2018	NITTTR, Chennai conducted a Faculty Development Program on "Instructional Design and Delivery System"	30/08/2018	30/08/2018	06/09/2018	70
2019	Create Incubation Centre and Central Instrumentation Lab facilities	03/05/2019	03/05/2019	03/05/2019	0
2019	Establish Centre for Excellence for IOT Lab	20/02/2019	20/02/2019	20/02/2019	20
2018	Enforcement of IPR Technology Transfer	20/08/2018	20/08/2018	20/08/2018	75
2019	Translanguaging: The key to effective Language Learning	11/01/2019	11/01/2019	12/01/2019	150
2018	Coaching for Hindi Language	17/07/2018	17/07/2018	30/03/2019	450
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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
Adolescent health hygiene for female	18/07/2018	18/07/2018	800	0
World suicide prevention	14/09/2018	14/09/2018	65	85
Women's Day Celebration Femi power 2019	06/03/2019	08/03/2019	800	0

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

Total units Consumed 368050 kwh Annual Power Requirement 368050 kwh From Solar power plant No.of solar panel 92 Per day energy consumption 150 kwh For Annual Consumption 150 kwh 365 days 54750 kwh Annual Power requirement met by renewable energy source 54750 kwh Annual Power is equal to requirement met by renewable energy source / Annual power requirement x 100 $54750 / 368050 \times 100$ is equal to 14.88 percentage

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	1
Braille Software/facilities	Yes	0
Rest Rooms	Yes	12
Scribes for examination	Yes	0
Special skill development for differently abled students	Yes	1
Ramp/Rails	Yes	6
Any other similar facility	Yes	0

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	3	3	16/02/2019	1	Awareness program	Health Issues	30

					on Electrical safety and first Aid		
2019	3	3	27/09/2019	1	Awareness program on identifying Fake products	Public Services	150
2019	3	3	28/09/2019	1	Awareness program on Usage of LED lights	Public Services	98
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Student Handbook , Academic Calendar and Hostel Guidelines	04/06/2018	Reviewed and Revised Annually

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
National Voter's day Celebration	25/01/2019	25/01/2019	110
Yoga Day Celebration	21/06/2018	21/06/2018	90
Women's Day Celebration	08/03/2019	08/03/2019	800
Teacher's Day Celebration (On the occasion of Birth Anniversary of Sarvepalli Radhakrishnan)	05/09/2018	05/09/2018	1600
Independence day celebration	15/08/2018	15/08/2018	1600
Republic day celebration	26/01/2019	26/01/2019	1600
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

<ul style="list-style-type: none"> • Plantation of trees • Rain water harvesting • Solar energy plant • Prohibiting smoking and making a tobacco free campus • Clean and Green campus • The renewable energy source of 30 KW solar photovoltaic power plant is placed in the department of Electrical and Electronics Engineering. About 15 of energy demand at PSR Engineering College is met through solar power. • All buildings have been designed to maximize the natural lighting and minimize artificial lighting.
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7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

I: Empower the girl students and women faculty of the institution to attain "Gender Equality" II: Motivating secondary school leaving students and provide counseling session for our institution students and their parents

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/images/college/Best%20Practices.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

Job Oriented Programmes The College Vision statement is "To contribute to the society through excellence in technical education with societal values and thus a valuable resource for industry and the humanity". Based on the College Vision, the Management has started this College in the year 1999, to provide an objective of imparting technical education to uplift the downtrodden people and to develop the industries so that the youth of this country will get benefitted and lead quality life. This is the distinctive feature of our college and we prove this by carrying out the following, 1. The college offers courses in all the core and allied engineering fields including management. 2. The final year students are trained specially including soft skills by inviting experts from leading industries and institutions. 3. A structured framing demand based curriculum and syllabus to the students with inputs from Industry experts, academia and Alumni are being provided. 4. The management involves the students to participate in the seminars, conferences and competitions and so in social forums like NSS, YRC, RRC, etc. 5. The college offers value added courses to all the students to improve their employability. The college helps them to get at least one international certification which will help them get a job anywhere in the world Centre of excellence at one place Keeping the vision and mission in mind, the College works towards the students' community employability and make them to have a better life. The aim of the College is to create an elevated and sustained excellence in the educational system at one place, which is relevant for today's and future industries/ corporate requirements. The curriculum of each course, apart from its relevant academic components, includes Value Added Courses suitable for each course. International certification courses offered by the Institution are listed below: CISCO Training Microsoft Google IBM Bentley ePlan Education Texas Instruments Government Buses for the benefit of day scholar students The Tamilnadu State Transport Corporation operates about 15 buses to the college campus directly to and from most of the neighbouring towns by the Regional Transport Authorities for the convenience of Rural Area students. During bus commutation it's been available at the two sessions as like morning and evening. Approximately 90 students use the State Transport Corporation bus. The maximum students utilize the state transport corporation buses rather than their personal transport to attend the college either by bike or cars. Similarly, most of the college students are been provided with the bus pass which is provided by the State Transport Corporation. Creating Motivation for the 2 Students The College creates guidance awareness for the students who have completed their higher secondary studies. They are being motivated and guided to the right path for their education. The Guidance program been given by Mr. Dhamu , Lead India 2020, in which he guides and councils the students and clarifies the progress and outcome of each Graduation programmes. This Motivation programme been conducted for Fifteen days .

Provide the weblink of the institution

<http://www.psr.edu.in/images/college/Institutional%20Distinctiveness.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 from reputed corporate like Microsoft, Google, Texas Instruments, eplan, IBM, Bentley and Cisco. • Invite more National number and International delegates to participate AICTE sponsored STTP programme and International Conference for enhancing their technical knowledge • Strength the clean and green campus through plantation of trees and plants. • Increase the solar power generation and reduce the usage of electricity • Submit the second cycle SelfAssessment Report (SSR) to NAAC for reaccreditation • Apply NBA Accreditation for the Department of Mechanical Engineering and Civil Engineering. • Strengthen the activities for the IQAC cell regarding IPR, startup for Entrepreneur and other quality related activities. • Apply more number of research projects to various government and nongovernment funding agencies. • Enhancing social compatibility of the students by giving better opportunity of social interaction through activities of NSS, YRC , RRC and student's Forum • Create New Programme in frontiers area of Biomedical Engineering.