P.S.R ENGINEERING COLLEGE

(An Autonomous Institution)

Sivakasi – 626 140, Virudhunagar District, Tamilnadu

The Annual Quality Assurance Report

(AQAR)

2014 – 2015

P.S.R. ENGINEERING COLLEGE

(An Autonomous Institution - Affiliated to Anna University, Chennai)
(An ISO 9001:2008 Certified Institution)
(Approved by AICTE, New Delhi & Accredited by NBA, AICTE, New Delhi)

GL ISO 9001
GL Systems Certification

Sevalpatti, Sivakasi - 626 140
Virudhunagar District, Tamil Nadu, India.
Website : www.psr.edu.in

Office   : 04562 - 239600
    04562 - 239091, 92
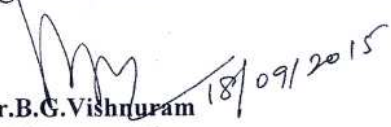Principal : 04562 - 239178

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email : contact@psr.edu.in

18.9.2015

CERTIFICATE

This is to certify that the Annual Quality Assurance Report (AQAR) for the Academic Year 2014-15 forwarded to the National Assessment and Accreditation Council (NAAC), Bangalore is compiled from the data collected from the official records of our college and is true to the best of our knowledge and belief.

18/09/2015

Dr.B.G.Vishnuram
PRINCIPAL
P.S.R. ENGINEERING COLLEGE
SIVAKASI

Contents

Part – A

1. Details of the Institution

1.1 Name of the Institution

P.S.R Engineering College

1.2 Address Line 1

Sevalpatti

Address Line 2

Sivakasi

City/Town

Virudhunagar

State

TamilNadu

Pin Code

626140

Institution e-mail address

contact@psr.edu.in

Contact Nos.

04562-239600/239091/ 239092

Name of the Head of the Institution:

Dr.B.G.VISHNURAM

Tel. No. with STD Code:

04562-239600/239091/ 239092

Mobile:

91- 9791438810

Name of the IQAC Co-ordinator:

Mrs.V.M.Sangeetha

Mobile:

9894274926

IQAC e-mail address:

iqac@psr.edu.in

1.3 **NAAC Track ID** *(For ex. MHCOGN 18879)*

TNCOGN19898

1.4 **NAAC Executive Committee No. & Date:**
   (For Example EC/32/A&A/143 dated 3-5-2004.
   This EC no. is available in the right corner- bottom
   of your institution's Accreditation Certificate)

EC(SC)/04/A&A/74 dt. 10.12.2014

1.5 Website address:

http://www.psr.edu.in

Web-link of the AQAR:

http://www.psr.edu.in/aqar2014-15.pdf

For ex. http://www.ladykeanecollege.edu.in/AQAR2012-13.doc

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.54	2014	10.12.2014 to 9.12.2019
2	2nd Cycle				
3	3rd Cycle				
4	4th Cycle				

1.7 Date of Establishment of IQAC :   DD/MM/YYYY

29.01.2014

1.8 AQAR for the year *(for example 2010-11)*

2014-15

1.9 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and
Accreditation by NAAC ((*for example AQAR 2010-11submitted to NAAC on 12-10-2011*)

   i. AQAR _____ _____ (DD/MM/YYYY)
   ii. AQAR_____ _____ (DD/MM/YYYY)
   iii. AQAR_____ _____ (DD/MM/YYYY)

iv. AQAR_____ _____ (DD/MM/YYYY)

1.10 Institutional Status

University   State ☐ Central ☐ Deemed ☐ Private ☐

Affiliated College   Yes ☑ No ☐

Constituent College   Yes ☐ No ☑

Autonomous college of UGC   Yes ☑ No ☐

Regulatory Agency approved Institution   Yes ☑ No ☐

 (eg. AICTE, BCI, MCI, PCI, NCI)

Type of Institution   Co-education ☑ Men ☐ Women ☐

            Urban ☐ Rural ☑ Tribal ☐

Financial Status   Grant-in-aid ☐ UGC 2(f) ☑ UGC 12B ☑

            Grant-in-aid + Self Financing ☐ Totally Self-financing ☑

1.11 Type of Faculty/Programme

    Arts ☐   Science ☐ Commerce ☐ Law ☐   PEI (Phys Edu) ☐

    TEI (Edu) ☐ Engineering ☑ Health Science ☐ Management ☑

    Others (Specify)   [· -   ]

1.12 Name of the Affiliating University *(for the Colleges)*   [Anna University, Chennai]

1.13 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

    Autonomy by State/Central Govt. / University   [UGC]

University with Potential for Excellence   UGC-CPE

DST Star Scheme   UGC-CE

UGC-Special Assistance Programme   DST-FIST

UGC-Innovative PG programmes   Any other (*Specify*)

UGC-COP Programmes

2. IQAC Composition and Activities

2.1 No. of Teachers   2

2.2 No. of Administrative/Technical staff   1

2.3 No. of students   2

2.4 No. of Management representatives   1

2.5 No. of Alumni   1

2. 6 No. of any other stakeholder and
     community representatives   -

2.7 No. of Employers/ Industrialists   1

2.8 No. of other External Experts   1

2.9 Total No. of members   9

2.10 No. of IQAC meetings held   2

2.11 No. of meetings with various stakeholders: No.   1   Faculty   1

        Non-Teaching Staff Students   1   Alumni   -   Others   1

2.12 Has IQAC received any funding from UGC during the year?   Yes   No

     If yes, mention the amount   √

2.13 Seminars and Conferences (only quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos. | 1 | International | - | National | - | State | - | Institution Level | 1

(ii) Themes

| Seminar on "Roles & Responsibilities of IQAC in Enhancing Quality as a part of Institution System" |

2.14 Significant Activities and contributions made by IQAC

- ✓ IQAC is constantly evaluating teaching learning process through feedbacks.
- ✓ Strengthening the campus placements process to provide job opportunities for the students
- ✓ Strengthen the Environmental Projects for Green Campus

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome achieved by the end of the year *

Plan of Action	Achievements
Motivate the faculties for undertaking quality research activities and bring out more number of research projects and publications	Research projects ongoing and sanctioned for a total worth of 17,11,500 Publications: Journals -77 and Conferences -160
Encourage faculties to apply and organize funded workshops/seminars/conferences in national and international levels	Conferences organized National - 4 Institution – 1
Strengthen the employability skills of students and campus placement	No. of students placed: On campus – 408 Off Campus –10
Reinforce the Environmental Projects for Green Campus	✦ Tree Plantation by students ✦ Organized Ozone Day on 16-09.2014
Encourage students to apply theoretical knowledge and come up with innovative projects	An Entrepreneurship development programme was organized for the benefit of the students. All sort of assistances were provided for students innovative projects from Entrepreneurship cell

Attach the Academic Calendar of the year as Annexure.

2.15 Whether the AQAR was placed in statutory body   Yes ☑   No ☐

Management ☑   Syndicate ☐   Any other body ☐

Provide the details of the action taken

> Management reviewed the AQAR report and contributed valid suggestions.
> IQAC agreed and incorporated recommended suggestions.

Part – B

Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	1	2	3	-
PG	6	-	6	2
UG	7	-	7	9
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	14	2	16	11

Interdisciplinary	-	-	-	2
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: CBCS/Core/Elective option / ~~Open options~~
      (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	UG-7, PG-6
Trimester	-
Annual	-

1.3 Feedback from stakeholders*   Alumni ✓ Parents - Employers ✓ Students ✓
   (On all aspects)

   Mode of feedback   :   Online -   Manual ✓ Co-operating schools (for PEI) -

*Please provide an analysis of the feedback in the Annexure

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

> - As a step towards to Choice Based Credit System (CBCS), open electives have been introduced in the existing curriculum of Regulation 2012.
> - As per the requirement of industries and feedback of the stakeholders in the Board of Studies meeting, the curriculum and syllabi of individual programmes have been revised.

1.5 Any new Department/Centre introduced during the year. If yes, give details.

> Anna University has recognized the following departments of our college as a Research Centre
>
> - Department of Electronics & Communication Engineering
> - Department of Civil Engineering
>
> The above departments started offering Ph.D programme.

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of
permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
175	130	33	10	-

2.2 No. of permanent faculty with Ph.D.

18

2.3 No. of Faculty Positions
Recruited (R) and Vacant (V)
during the year

Asst. Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
48	-	5	-	2	-	1	0	56	-

2.4 No. of Guest and Visiting faculty and Temporary faculty

Nil		Nil		Nil

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	40	84	-
Presented papers	34	76	-
Resource Persons	4	34	-

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- Creation of learning environment in classes which includes critical thinking, case analysis and creativity

- Regular conduction of Value added programmes and Career guidance programme s for both UG and PG

- For all programmes practical orientation is insisted in the form of projects, industrial visit and guest lectures

- Field exposure is imparted through conduction hardware project contest, trade bazaar and so on.

- Teaching and Learning process is strengthened with the help of e-learning resources

2.7 Total No. of actual teaching days
during this academic year

182

2.8 Examination/ Evaluation Reforms initiated by
the Institution (for example: Open Book Examination, Bar Coding,
Double Valuation, Photocopy, Online Multiple Choice Questions)

> ⬥ Internal Assessment Tests and valuation are centralized
> ⬥ Supplementary Examination is introduced

2.9 No. of faculty members involved in curriculum
Restructuring /revision/ syllabus development
as member of Board of Study/Faculty/Curriculum Development workshop

94

2.10 Average percentage of attendance of students

93.87%

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme		Total no. of students appeared	Division				
			Distinction %	I %	II %	III %	Pass %
B.E.	Computer Science and Engineering	91	-	90.11	2.21	-	92.31
	Civil Engineering	67	1.49	83.58	-	-	85.07
	Electronics and Commn Engineering	125	0.8	86.4	3.2	-	90.40
	Electrical and Electronics Engineering	71	1	62	-	-	84.85
	Mechanical Engineering	70	1.43	80	1.43	-	82.86
B.Tech	Information Technology	42	4.2	95.8	-	-	100
	Bio-Technology	16	31.4	68.7	-	-	100
M.E.	Computer Science and Engineering	18	66.66	33.33	-	-	100
	Applied Electronics	16	25	75	-	-	100
	Power Electronics and Drives	14	57.14	42.86	-	-	100
	Engineering Design	8	75	25	-	-	100
	Structural Engineering	18	5.55	94.45	-	-	100
	Master of Business Administration	29	24.14	72.41	3.45	-	100

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- College arranges corrective programs for teaching and non-teaching staff to ensure students' learning process is not hampered at any point.
- Visits to the classes by higher authorities for real time assessment of teaching quality.
- Performance appraisal of each faculty member is analyzed based on the criteria of exam results of the students, students' feedback regularity, punctuality and cooperation in college activities.
- The assessment made by the Principal based on the student responses is invariably passed on to the faculty for improvement.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	29
Faculty exchange programme	-
Staff training conducted by the university	6
Staff training conducted by other institutions	14
Summer / Winter schools, Workshops, etc.	37
Others (Guest Lectures, Seminars, Industrial Visits)	60

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	6	-	1	-
Technical Staff	33	-	7	-

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- ◆ Encourage faculty members to publish research findings in reputed referred Journals and Conferences.
- ◆ Incentives are provided for quality publications in impact factor / indexed Journals.
- ◆ On-duty (OD) leaves for attending conferences.
- ◆ Encourage the faculty members to prepare and submit project proposals to Govt / Private funding agencies.
- ◆ The college has a policy to encourage research activity by conducting seminars, guest lectures, subscribing to journals, e-library, etc.

3.2　　　Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	6
Outlay in Rs. Lakhs	-	17.04	-	62.40

3.3　　　Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	1	-	-	8
Outlay in Rs. Lakhs	0.075	-	-	3.75

3.4　　　Details on research publications

	International	National	Others
Peer Review Journals	58	8	-
Non-Peer Review Journals	2	-	-
e-Journals	9	-	-
Conference proceedings	65	92	3

3.5 Details on Impact factor of publications:

Range | 0.54 -2.81 | Average | 1.27 | h-index | 8 | Nos. in SCOPUS | 39

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant Sanctioned In Lakhs	Received In Lakhs
Major projects	3 years (2013-16)	DST	17.04	13.00
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College	6 month	PSR Engg College	0.1	0.1
Students research projects *(other than compulsory by the University)*	1year	TNSCST, Chennai	0.075	0.075
Any other(Specify)				
Total			17.115	13.175

3.7 No. of books published   i) With ISBN No. $\boxed{-}$ Chapters in Edited Books $\boxed{-}$

ii) Without ISBN No. $\boxed{-}$

3.8 No. of University Departments receiving funds from

UGC-SAP $\boxed{}$ CAS $\boxed{}$ DST-FIST $\boxed{}$

DPE $\boxed{}$ DBT Scheme/funds $\boxed{}$

3.9 For colleges   Autonomy $\boxed{}$ CPE $\boxed{}$ DBT Star Scheme $\boxed{}$

INSPIRE $\boxed{}$ CE $\boxed{}$ Any Other (specify) $\boxed{}$

3.10 Revenue generated through consultancy $\boxed{\text{Rs 25,000/-}}$

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	-	4	-	-	1
Sponsoring agencies	-	Anuradha Publication, Lovely Offset Printers , Supreme Paper Mills, and the College	-	-	College

3.12 No. of faculty served as experts, chairpersons or resource persons | 32 |

3.13 No. of collaborations: International | 1 | National | 7 | Any other | - |

3.14 No. of linkages created during this year | 11 |

3.15 Total budget for research for current year in lakhs :

From Funding agency | - | From Management of University/College | 4.40 |

Total | 4.40 |

3.16 No. of patents received this year

Type of Patent		Number
National	Applied	-
	Granted	-
International	Applied	-
	Granted	-
Commercialised	Applied	-
	Granted	-

3.17 No. of research awards/ recognitions received by faculty and research fellows
of the institute in the year

Total	International	National	State	University	Dist	College
13	7	-	2	-	-	4

3.18 No. of faculty from the Institution
who are Ph. D. Guides | 9 |
and students registered under them | 34 |

3.19 No. of Ph.D. awarded by faculty from the Institution | - |

3.20 No. of Research scholars receiving the Fellowships (Newly enrolled + existing ones)

JRF | - | SRF | - | Project Fellows | - | Any other | - |

3.21 No. of students Participated in NSS events: University level | 179 | State level | - |

National level | 8 | International level | - |

3.22 No. of students participated in NCC events:

University level | - | State level | - |

National level | - | International level | - |

3.23 No. of Awards won in NSS:

University level | 1 | State level | - |

National level | - | International level | - |

3.24 No. of Awards won in NCC:

University level | - | State level | - |

National level | - | International level | - |

3.25 No. of Extension activities organized

University forum | - | College forum | 10 |

NCC | - | NSS | 03 | Any other | - |

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- Swine flu and Dengue awareness programme has been conducted on 0./11.2014.
- Solar Wheel Chair Project by the students for the benefit of differently- abled persons.
- Tree Plantation Camp
- Blood Donation Camp
- Organized Ozone Day in the college on 16.09.2014
- Consumer Awareness – Exhibition organized on 'Fake Product Identification'.
- Engineer's Day Celebration by ISTE Student Chapter.

Criterion – IV
4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

Facilities		Existing	Newly created	Source of Fund	Total
Campus area	Area (Sq.m)	112907.29	-	Trust	112907.29
	Built up area (Sq.m)	45358.46	-	Trust	45358.46
Class rooms		56	6	Trust	62
Laboratories		49	1	Trust	50
Seminar Halls		9	-	Trust	9
No. of important equipments purchased (≥ 1-0 lakh) during the current year.		20	2	Trust	22
Value of the equipment purchased during the year (Rs. in Lakhs)		-	12,22,315.5	Trust	12,22,315.5
Others		-	2,60,000	Trust	2,60,000

4.2 Computerization of administration and library

- Use of OPAC & GEIS automation software in library.
- Use of computers and data storage in all administration & library sections.
- Use of GEIS automation software for student attendance and assessment marks entry.
- Use of Bio-metric finger print system for staff attendance.
- Use of Tally software for account maintenance.

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	26476	70,90,896	4680	12,11,166	31156	83,02,062
Reference Books	1600	85,409	120	14,280	1720	99,689
e-Books						
Journals	150	15,67,429	-	-	150	15,67,429
e-Journals	-	8,07,656	-	4,55,283	-	12,62,939
Digital Database						
CD & Video	2727		160		2887	
Others (specify)						

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Depart-ments	Others
Existing	810	11	22Mbps	2	2	9	797	4
Added	-	-		-	-	-	-	6
Total	816	11	24Mbps	2	2	9	797	10

4.5 Computer, Internet access, training to teachers and students and any other programme for technology
    Upgradation (Networking, e-Governance etc.)

- Seminar on Soft Computing Techniques
- Hands on Training on Embedded Systems
- Workshop on Outcome Based Education and Accreditation..
- GEIS- Automation Software Training for Faculty
- Online Aptitude Training for the Students
- Entrepreneurship Development Progamme
- Business English Certificate course (BEC) Training for students
- International Certification Programmes – Staad Pro, Creo Elements, Autodesk

4.6 Amount spent on maintenance in lakhs :

i) ICT   9,85,000

ii) Campus Infrastructure and facilities   6,26,500

iii) Equipments   16,82,415

iv) Others   4,57,249

Total :   37,51,164

Criterion – V
5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- ⬥ Motivation Programme for all first year UG students
- ⬥ Encourage the students to appear for BEC Preliminary and BEC Vantage.
- ⬥ Soft Skills and Placement Assistance
- ⬥ The career guidance programme for all II, III and IV year students.
- ⬥ Encourage and motivate the students towards research and innovation by special lectures

5.2 Efforts made by the institution for tracking the progression

- The Faculty advisory system helps the students in his/her entire endeavor during their period of study. Faculty advisor is allotted for a batch of about 20 students. Faculty advisor meets the students once in a week during regular tutor hour.
- Highlighting achievements of students in College newsletters
- Informing the parents regularly on the progress of their ward.

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2046	206	-	-

(b) No. of students outside the state

3

(c) No. of international students

-

	No	%			No	%
Men	1329	59		Women	923	41

Last Year [2013-14]						This Year [2014-15]					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
82	219	0	2071	-	2372	74	201	0	1977	-	2252

Demand ratio   -   Dropout %   0.44

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

* Technical Aptitude training class
* Training Program on New Technologies
* Business English Certificate(BEC) Coaching
* Gate Coaching class
* Career development programmes – soft skills, aptitude, value added programmes.

No. of students beneficiaries   693

5.5 No. of students qualified in these examinations

NET   -   SET/SLET   -   GATE   4   CAT   -

IAS/IPS etc   -   State PSC   -   UPSC   -   Others   33

5.6 Details of student counselling and career guidance

* Counselling by faculty advisors during Tutor hours to strengthen students' academic performance, involvement in co-curricular activities and morality.
* Organizing career guidance programmes every semester by inviting experts from industries.
* Organizing seminars conferences, guest lectures, workshops.

No. of students benefitted   1615

5.7 Details of campus placement

On campus			Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
65	533	408	10

5.8 Details of gender sensitization programmes

> ◆ Women's Day Celebration :
> ◆ Various Competitions and cultural programmes were conducted for UG, PG girl students, women staff on the occasion of Women's Day.

5.9 Students Activities

   5.9.1   No. of students participated in Sports, Games and other events

State/ University level   27   National level   15   International level   -

No. of students participated in cultural events

State/ University level   -   National level   6   International level   -

   5.9.2   No. of medals /awards won by students in Sports, Games and other events

Sports: State/ University level   19   National level   7   International level   -

Cultural: State/ University level   -   National level   7   International level   -

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	32	32,20,000
Financial support from government	1624	2,45,94,200
Financial support from other sources	168	25,22,000
Number of students who received International/ National recognitions	-	-

5.11   Student organised / initiatives

Fairs   : State/ University level | 2 | National level | 3 | International level | - |

Exhibition: State/ University level | - | National level | - | International level | - |

5.12   No. of social initiatives undertaken by the students | 13 |

5.13   Major grievances of students (if any) redressed: Nil

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

Vision

- To contribute to the society through excellence in technical education with societal values and thus a valuable resource for industry and the humanity.

Mission

- To create an ambience for quality learning experience by providing sustained care and facilities
- To offer higher level training encompassing both theory and practices with human and social values
- To provide knowledge based services and professional skills to adopt tomorrow's technology and embedded global changes.

6.2 Does the Institution has a management Information System : Yes

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Institutional Automation System (GEIS)

- The aim of this practice is to introduce automation in the administrative system (Office administrative system, Student administrative system & Library administrative system) 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 Management
  - Staff Management
  - Examination Management
  - Library Management

6.3 Quality improvement strategies adopted by the institution for each of the following:

    6.3.1   Curriculum Development

- Internal and external experts from academia and experts from Industry and Alumni are involved in Curriculum development process by including them in the Board of Studies and Academic 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.

6.3.2 Teaching and Learning

- Outcome based education method has been followed
- Bloom's taxonomy is applied to express the level of expertise required to achieve each measurable student outcome.
- Creation of learning environment in classes which includes critical thinking, case analysis and creativity
- For all programmes practical orientation is insisted in the form of projects, industrial visit, guest lectures, workshops, seminars.
- Field exposure is imparted through conduction of science exhibition, hardware project contest, trade bazaar and so on.
- Teaching and Learning process is strengthened with the help of e-learning resources, On-line Learning (Moodle) software.
- Faculty development programmes and in-service training are conducted once in a year to enrich their teaching-learning methods.

6.3.3 Examination and Evaluation

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

6.3.4 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 with faculty members having Ph.D. qualification as its members.
- Electronics and Communication Engineering and Civil Engineering Departments become a recognized research centre of Anna University, Chennai.
- Incentives for research publications and research projects are provided
- Due to the continuous encouragement of the institution, **Fourteen** project proposals worth of 66,15,000 lakhs have been submitted to the funding agencies.

6.3.5   Library, ICT and physical infrastructure / instrumentation

- The college boasts a well-stocked and digitalized central library with college and department-wise division to ensure easy, quick and efficient access to desired data.
- GEIS automation & OPAC online access system have been employed in library.
- Provide access to e-journals such as IEEE, Science Direct, DELNET, NMEICT, N-list
- The Librarian helps the departments to purchase the latest edition of the books as per the requirement of the teachers.
- Every department has individual air-conditioned seminar hall with LCD projector, system with internet connection

6.3.6   Human Resource Management

- Institution make every effort to offer benefits that will appeal to faculty and staff in improving self and the entire campus.
- Necessary competent staff 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, New Delhi.
- There are many staff welfare schemes namely EPF, Group insurance.
- Biometric Attendance system is practiced for all faculties and staff of the institution.
- Organizing Developmental training programme and workshops/seminars for enhancing the multi-skills of faculties.
- Incentives are given to the Faculties for their contribution in research.
- Self appraisal system has been followed to assess the performance of faculties.

6.3.7   Faculty and Staff recruitment

- Based on the vacancy in all departments for all positions, publish the advertisement in the Leading daily newspapers.
- Scrutinizing of Application as per the college norms.
- Screening process includes written test, technical interview by staff selection committee with subject experts from government colleges and reputed universities and personal interview by principal and management

6.3.8   Industry Interaction / Collaboration

MoU's have been signed with
 ♦ Soft skills and Industry skills training and development Academy – Launchpad LLC, Coimbatore – Training and placement assistance in multi disciplinary sectors.
 ♦ British Council –BEC for Cambridge English language assessment examination to students for improving English communication
 ♦ Karvy Stock Broking Limited, Tirunelveli

6.3.9   Admission of Students

The students are admitted according to the Anna University/ TamilNadu Government/ AICTE Norms.

6.4 Welfare schemes

Teaching	Transport facilities EPF Staff Club Group Insurance
Non teaching	Transport facilities, EPF, Group Insurance, ESI, Food allowance
Students	Health centre, Health insurance, Ramps for physically disabled students , scholarship for economic backward class students

6.5 Total corpus fund generated   NIL

6.6 Whether annual financial audit has been done   Yes   ✓   No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	yes	GL System Certification - ISO	yes	Committee headed by Dean
Administrative	yes	GL System Certification - ISO	yes	Chartered Accountant

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes   Yes   ✓   No

For PG Programmes   Yes   ✓   No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

> Supplementary system is introduced for the arrear students in the End Semester Examination

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

> Not Applicable

6.11 Activities and support from the Alumni Association

> - Alumni are active members of Board of studies of all departments. Board of studies incorporate valid recommendations of alumni in curriculum design and development.
> - Mr.T.Shanmugababu, alumnus of our college, graduated on 2008 was invited as a chief guest for the National Conference on Recent Trends in Computing, Communication & Technology (ReCanT - 15) organized by the department of CSE on March 27, 2015 and also delivered a Guest Lecture on the recent topic "Big data Analytics and its Applications" for Final year CSE Students.

6.12 Activities and support from the Parent – Teacher Association

> 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

6.13 Development programmes for support staff

- Basic English Communication
- Computer Skills – Ms-word, Excel

6.14 Initiatives taken by the institution to make the campus eco-friendly

- Energy conservation approaches
- Rain-water harvesting
- Waste-water recycling,
- Prohibiting smoking and making a tobacco-free campus
- Tree plantation
- Solar lamps have been installed inside the campus

Criterion – VII

7. <u>Innovations and Best Practices</u>

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

* Outcome based Education with evaluation of PEOs and POs are being practised.

* Soft skill training and value added programmes to improve the employability of the students.

* Awareness created to utilize the open source softwares.

* Region specific 'Fire Industrial Safety' course is introduced as an elective.

* Awareness created among the students to use open source hardwares like Arduino, Raspberry Pi for project works.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

Task	Action	Status
It is proposed to get NAAC Accreditation for college with higher grade	Proposal Submitted to NAAC	Got NAAC Accreditation
To strengthen research activities	a) Advising faculties to register for Ph.D b) Incentives for publications	5 faculty members have registered to pursue their Ph.D. **No. of articles published:** Int. /National Journals –77 Int./National Conferences – 160
To improve placement activities	MOU is signed with training academy for giving placement training and assistance	**No. of students placed:** On campus – 408 Off Campus –10

7.3 Give two Best Practices of the institution *(please see the format in the NAAC Self-study Manuals)*

* Soft skills training and value added programmes by the external agencies to enhance the employability skills of the students.

* Use of On-line portal "Moodle" to enhance the teaching-learning process in the Institution.

7.4 Contribution to environmental awareness / protection

> - Instructions have been displayed at appropriate places for the users to switch off the lights, fans, computers before leaving the room or after their usage.
> - At appropriate forums, insist the judicious use of water and electricity.
> - Involvement of student to supervise the misuse of energy.
> - Planting of saplings in the uncovered area.
> - Rain water harvesting arrangements is made in the campus to improve the ground water level.

7.5 Whether environmental audit was conducted?   Yes [   ]   No [√]

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

> **Strength**
>
> - Opportunity to serve the backward population through Technical Education.
> - 18 Faculty members with Ph.D. qualification and many are pursuing Ph.D.
> - College situated in conducive and disturbance free environment.
> - Curriculum and syllabi meeting the needs of the area.
> - ICT in teaching-learning process, administration and examination.
> - Need based training programmes to help the students in placement.
>
> **Weakness**
>
> - Lack of industries in the districts surrounding the college.
> - Lack of consultancy and funded projects.
> - Lack of top ranking students in admission.
> - Economically weak students – unable to cope with the expenses for training and other certification programmes.
>
> **Opportunities**
>
> - Presence of fireworks factories, match industries and printing presses – opportunity for consultancy in safety and modernization.
> - Financial assistantships by the management to attract top ranking students.
> - Introduction of innovative teaching-learning process.
> - Co-curricular and extra-curricular activities – tap the diversified talents of the students.
> - Provision for loans, scholarships by state/central government and private bodies.
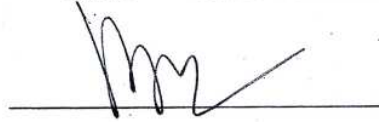>
> **Challenges**
>
> - Cope with the changing economical and social scenario.
> - Presence of technical institutions more than the demand – challenge in getting quality intake.
> - Unpredictable job opportunities in IT industries.

P.S.R. Engineering College

8. Plans of institution for next year

- More value added programmes / guest lectures
- Increase the use of open source softwares
- Industry relevant courses with one credit
- Introduce Choice Based Credit System
- Increased use of on-line courses like MOOC
- Enhance the research activities in terms of publications, funded projects, student projects
- Internship opportunities for the students.

Name Mrs V.M.Sangeetha   Name: Dr.B.G.Vishnuram

Signature of the Coordinator, IQAC   Signature of the Chairperson, IQAC

PRINCIPAL
P.S.R. ENGINEERING COLLEGE
SIVAKASI

***

<u>Annexure I</u>

Abbreviations:

CAS	-	Career Advanced Scheme
CAT	-	Common Admission Test
CBCS	-	Choice Based Credit System
CE	-	Centre for Excellence
COP	-	Career Oriented Programme
CPE	-	College with Potential for Excellence
DPE	-	Department with Potential for Excellence
GATE	-	Graduate Aptitude Test
NET	-	National Eligibility Test
PEI	-	Physical Education Institution
SAP	-	Special Assistance Programme
SF	-	Self Financing
SLET	-	State Level Eligibility Test
TEI	-	Teacher Education Institution
UPE	-	University with Potential Excellence
UPSC	-	Union Public Service Commission

****

Annexure II

Feedback Analysis (2014-15)

- **Alumni Feedback**
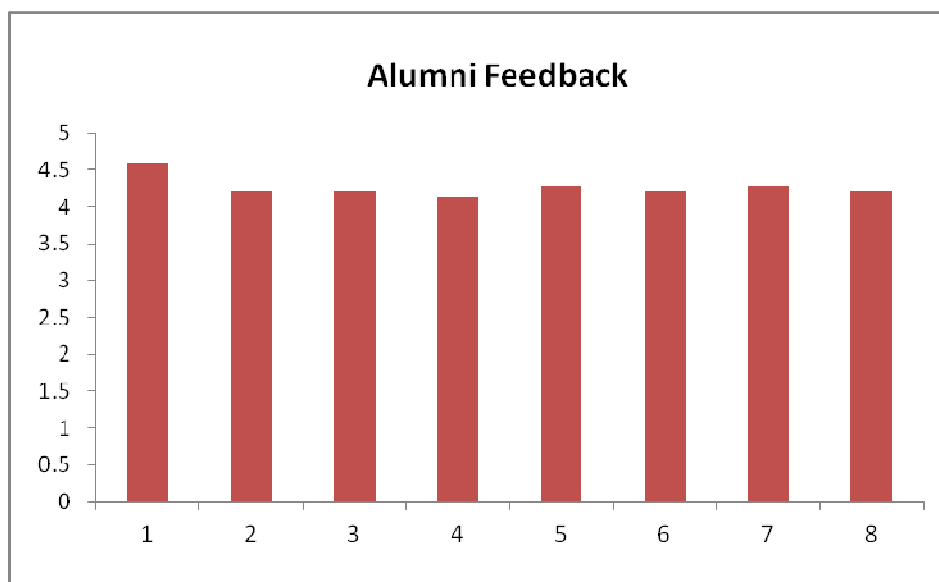
Category	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Points	5	4	3	2	1

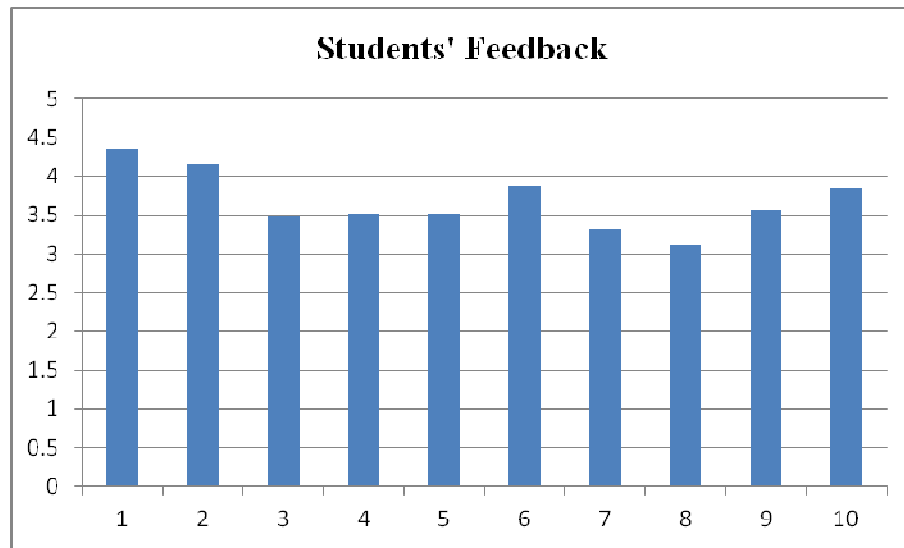| S. No.	Aspects	Points
1	I feel proud for having been a student of P.S.R. Engineering College.	
2	The learning I had in the College is useful in my career.	
3	The developments in the College in recent years are appreciative.	
4	The new courses introduced meet contemporary requirements.	
5	P.S.R. Engineering College is involving alumni in its activities.	
6	Alumni have a role to play in academically strengthening the College further.	
7	Alumni have a role to play in infrastructural development of the College.	
8	Alumni Association should take initiative to efficiently enroll and strengthen the Alumni Association.	

- **Students' Feedback**

    Dept: **Mechanical Engineering**,

Staff- 1
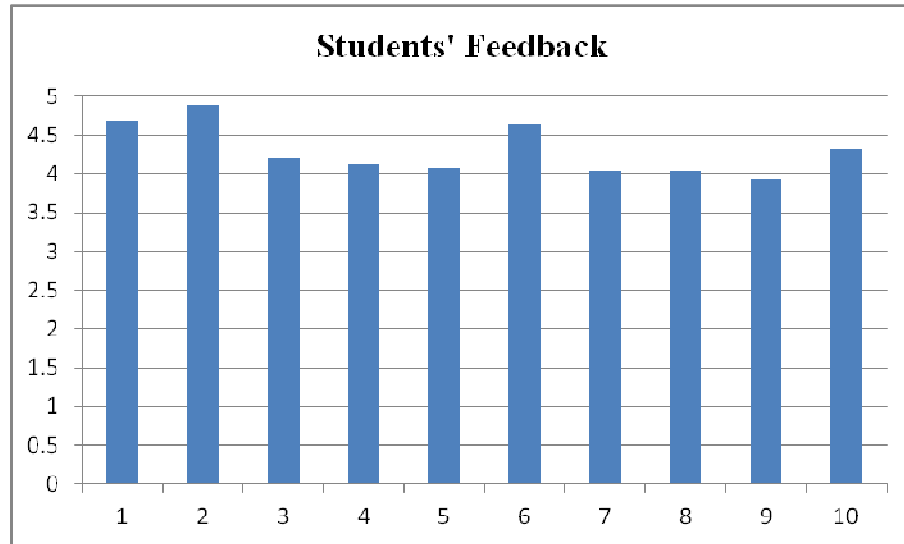
Staff- 2

Category	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Points	5	4	3	2	1

Sl.No	Aspects	Staff-1 Points
1	Punctuality Of the Faculty	
2	Coverage of Syllabus	
3	Clarity in Presentation & Commn.	
4	Interaction With 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 test and Feedback	

- **Employers' Feedback**

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P.S.R. Engineering College

Sivakasi- 626140

Feedback from Employer

</div>

Our Strength of Education is reflected by our students passing out and joining esteemed organizations like you. Hence as an organization needing resource, we believe that your feedbacks are vital part of our academics. This not only helps us in focused approach in education but also helps us in giving overall shape and perfection to students to outshine and excel and respective arena. Please fill in Feedback form below with latest and most accurate information. All information submitted here remains strictly confidential and is used for quality evaluation purposes only.

Name of the Candidate:
Branch:
Year of Graduation:

Employment Particulars
Organization:
Present Position:

Please give your rating as per the following guidelines.

Category	Excellent	Very Good	Good	Average	Poor
Points	5	4	3	2	1

Rating

Sr.	Aspects	Points
1.	Technical Knowledge and Updation	
2.	Personality	
3.	Communication Skills	
4.	Leadership / Management Skills	
5.	Team Effort	
6.	Ethical Principles in Profession	
7.	Take up new challenges	

Signature with Seal