

# **Post Accreditation Improvements**



# P.S.R.ENGINEERING COLLEGE

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Sevalpatti (P.O), Sivakasi - 626140.

Tamilnadu.



- **Students Enrolment**

Special efforts have been taken to improve the enrolment of the students. The college conducts every year the open house programmes with motivational speeches to the school students in the campus. There by the school students get a chance to interact with the faculty members and go through the academic and other infrastructure facilities of the college. Fee concessions are provided to meritorious students. The events and achievements of the college are reported in the newspapers and social media to reach the public. There is a 27 % increase in the current year admission compared to previous year (2018-19).

- **Orientation Programmes**

About 112 orientation programmes were conducted during the past 5 years focussing on employability skills of the students. The placement of the students has been improved as shown in the table below:

<b>No. of Students Placed in campus drives</b>				
<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>
251	274	286	320	366

- **Faculty Members with PhD**

The college consistently motivates its faculty members by providing financial support and physical facilities. In an average around 50 faculty members have availed financial support for attending conference / workshops/ FDP. Five departments viz., CSE, ECE, EEE, MECH, and CIVIL are recognized as research centres of Anna University. The strength of the faculty members with PhD

holders have been increased from 16 to 39 since last accreditation. About 22 members have been recognized as research supervisors of Anna University.

- **Bridge Courses**

About 110 bridge courses have been conducted for the benefits of the students beyond the working hours. Their details are given below:

Bridge courses				
2014-15	2015-16	2016-17	2017-18	2018-19
21	22	21	23	23

- **Educational Modules and Audio Visual Aids**

Lecture Capturing System is installed in the college for e-content development. The contents are made available in Youtube and Learn online portal. 47 ICT enabled class rooms are in place to make use of NPTEL and SWAYAM courses. Google Class Room is effectively utilized by the faculty members and students. The web links of <http://psr.edu.in/lcs.php> and [http://psr.edu.in/v\\_link.php](http://psr.edu.in/v_link.php) can be referred.

- **Communication Skills**

Two Language Laboratories with about 140 computers and audio-visual aids are available in the college for training the students in language skills. The training on soft skills including communication skills are imparted through external training agencies such as Focus Academy for Career Enhancement (FACE), Spark Training Academy, Syasans Career Analytics, Ethnotech, etc. programmes to enhance the communication skills.

- **Encouragement for Placement training, Internship & Competitive Exam**

Students are encouraged to take part in placement training programmes and internships etc.. The placement training programmes have been conducted by the external agencies and through our alumni network. On an average 60% of the students have undergone Internships. About 38 students have taken up higher studies through GATE/CAT/ TANCET.

**Students Placement Details**

<b>No. of Students Placed in campus drives</b>				
<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>
251	274	286	320	366

**No. of Students Competition Exam Details**

<b>No. of students won Competition Exam</b>				
<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>
3	9	8	6	12

- **Research and Development**

By enhancing and supporting R&D facilities and providing incentives to quality publications the following have been achieved. Around 44 Lakhs worth of funded projects received from both Government and private funding agencies. 22 of our faculty members have been recognized as Research Supervisors. Number of research scholars on roll is 78. About 14 have been awarded PhD degrees. 248 papers have been published in Scopus / WOS / UGC indexed journals. 22 patents have been filed and published.

<b>Journal Publications</b>			
<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>
27	27	44	96

### Details of Grants / Funded Projects

Name of the Project	Name of the Principal Investigator	Funding Agency	Year	Sanctioned Amount (Rs. in Lakhs)
Water Tank Cleaning Machine	Mr.K.Ravikumar	TNSCST	2018-19	0.075
Biodegradable Plastic from shells of Arachis hypogea	Ms. V.Varalakshmi	TNSCST	2018-19	0.075
Anti cancer activity of betasitosterol in Sphaeranthusindicus, antiviral activity against corona and anti hyperlipidemic activity	Dr. M. Aynul Rifaya	TNSCST	2018-19	0.075
<b>Project</b> - Canny Helmet	Dr.P.Marichamy	Texas Instruments	2018-19	0.15
<b>Conference</b> - National Conference on Innovation in Teaching and Learning Process in Higher Education	Dr.P.Ranjith Kumar	NAAC	2018-19	Self Support
STTP on Sage Design and Construction of High Rise Building	Dr.M.Shahul Hameed	ISTE	2018-19	Self Support
<b>MODROBS</b> - Mixed Signal Circuit Design Lab	Dr.K.Valarmathi	AICTE	2017-18	14.2
<b>GOC</b> - International Conference on Challenges and Opportunities for Development of Smart Cities (CODS)	Dr.P.Ranjith Kumar	AICTE	2017-18	5.0
<b>STTP</b> - Emerging Trends in Data Migration and Wearable Computing aspects of IoE	Dr.P.Marichamy	AICTE	2017-18	3.05

STTP on Advanced Concrete Technology	Dr.M.Shahul Hameed	AICTE	2017-18	2.75
Design and fabrication of birds disturbing machine in agriculture farm	Mr. S. Durairaj	TNSCST	2017-18	0.1
Design and fabrication of adaptive head light	Mr. Y. Kumara samy	TNSCST	2017-18	0.1
Efficient use of Plastic Materials as sand replacement in concrete	Dr.M.Shahul Hameed	TNSCST	2017-18	0.1
<b>Project</b> -Smart Vehicle Security System	Dr.P.Marichamy	Texas Instruments	2017-18	0.15
<b>Project</b> -High Efficiency Energy Transmission System for Mobile Robot based on VLSI	Dr.P.Ranjith Kumar	Texas Instruments	2017-18	0.15
A Novel power generation for automobiles	Dr.P.Pitchipoo	TNSCST	2016-17	0.1
Treatment of effluents from dyeing industries using natural adsorbents	Dr.M.Shahul Hameed	TNSCST	2016-17	0.1
Synthesis and Characterization of rare earth doped lanthanum and cadolinium oxide Nano particles for Luminescence applications.	Dr.R.Srivasan	Science and Engineering Research Board	2014-15	17.04

- **Advanced laboratories for Research**

Rs.2.5 Crore worth of Centre for Excellence, Rs.10 Lakhs worth for Internet of Things (IOT) Laboratory, Central fabrication Lab, Central Instrumentation Facilities, Incubation Centre and Business Laboratory have been established.

- **Computing Facility for Faculty Members**

Faculty members are provided individual computer with internet facility in their cabins.

- **Industry Linkage & Consultancy**

Industry Linkage cell has been established in the college. 21 MoUs have been signed with various industries for benefit of students and faculty. The college has carried out consultancy works worth Rs.10 Lakh.

<b>Name of the consultant</b>	<b>Name of consultancy project</b>	<b>Consulting/Sponsoring agency with contact details</b>	<b>Year</b>	<b>Revenue generated ( INR in Lakhs)</b>
Mr.L.Arun Raja	Cube Compression test	Neomax Pvt. Ltd, Harshitha Hospital, Virudhunagar, Contact No.04566-626101	2018-19	0.0075
Mr.L.Arun Raja	Cube Compression test	Er.Aravind kumar, Narmatha Hospital site, Sivakasi, Contact No.9629906197	2018-19	0.0075
Mr.L.Arun Raja	Cube Compression test	Er.Aravind kumar, Narmatha Hospital site, Sivakasi, Contact No.9629906197	2018-19	0.01
Mr.L.Arun Raja	Cube Compression test	Er.Aravind kumar, Narmatha Hospital site, Sivakasi, Contact No.9629906197	2018-19	0.0075
Mr.K.Mahendran	Soil Test	Union primary school, Narikkudi	2018-19	0.06
Mr.K.Mahendran	Soil Test	Panchayat union midile school, Kuppampatti, Virudhunagar	2018-19	0.06

Mr.K.Mahendran	Soil Test	P.Vijayaragavan, Panchayat union midile school, arasakulam, Kariyapatti union, Virudhunagar dist, Contact No.9994097683	2018-19	0.06
Mr.K.Mahendran	Soil Test	Sethupathi Union primary school, thiruchuzhi,	2018-19	0.06
Mr.K.Mahendran	Soil Test	K.Kanagaraj, Union primary school, sengamalampatti, Sivakasi, Contact No.9664643334	2018-19	0.03
Mr.K.Mahendran	Soil Test	A.velappan, Panchayat union midile school, Melakkallan kulam, Kariyapatti, Virudhunagar, Contact No.9150030269	2018-19	0.06
Mr.K.Mahendran	Soil Test	school Head master, Panchayat union midile school, Pothulupatti, Sivakasi, Contact No.9788037400	2018-19	0.06
Mr.S.Vijaya Baskar	Brick Test	A.Marirajan, Vishnu Hitech Bricks N Blocks, Kundampatti, Thiruvengadam (tk), Contact No.7904430990	2018-19	0.005
Mr.K.Mahendran	Soil Test	school Head master, Panchayat union midile school, Chinnamupanpatti, Virudhunagar	2018-19	0.06
Mr.K.Mahendran	Soil Test	school Head master, nagarachi muslim Middle School, Virudhunagar	2018-19	0.06
Mr.K.Mahendran	Soil Test	school Head master, Panchayat union midile school, Maruluthu, Virudhunagar, Contact No.8098769766	2018-19	0.06
Mr.K.Mahendran	Soil Test	school Head master, Panchayat union midile school, Chinnamanayakanpatti, Sivakasi	2018-19	0.06
Mr.K.Mahendran	Soil Test	school Head master, Union primary school, Oothupatti, Elayirampanai	2018-19	0.06
Mr.K.Mahendran	Soil Test	Velmurugan, school Head master, Panchayat union midile school, Ayansalvarpatti, Vembakottai, Contact No.9865822095.	2018-19	0.06



Dr.K.Rubasoundar Dr.S.Priyadarsini Dr.S.Singaravelan Dr.R.Arun Mr.D.Arun Shunmugam Ms.S.Madhu Mitha Ms.M.Selvapadmavathy	Automatic Liver segmentation in CT images	Aarthi Scans and Labs,Tirunelveli,75502 75502	2018-19	1.30
Dr. S. Ramesh Dr. R. Madavan Dr. S. Edwin Jose	Installation of Electrical network and Solar panel	Panchayat for Appanaickenpatty	2018-19	Honoarirum
Dr.K.Rubasoundar Dr.S.Priyadarsini Dr.S.Rajasoundar Mr.S.Edwin Raja Mrs.R.Ramani Ms.M.DeshiyaNarayan Mr.S.Mahesh Kumar	Website Creation and Maintenance for Malgudi Mithai, Sivakasi.	Malgudi Mithai,Sivakasi, 04562 233 188	2018-19	2.10
Dr.K.Rubasoundar Dr.C.Balasubramaniam Mr.P.Raghavan Mr.P.VimalKumar Mr.R.Palani Kumar	Automation of Billing System	Senthil Andavar Automobiles, Kovilpatti, 04632 234 403	2018-19	0.50
Dr. S. Ramesh	DCS and QCS system insatallation	Sripathi Papers and Boards Pvt Ltd, Sivakasi, 9047037586	2017-18	2.25
Mr. S. Sivakumar Mr. P. Sarathchandran Mr. S. Manimaran	Electrical Wiring and Distribuion	PSR Arts and Science College	2017-18	Honoarirum

EEE Department PSR Engineering College Sivakasi	Installation of Electrical Distribution Network	Hotel SPARKLE INN Sivakasi	2017-18	Honoariru m
Dr.K.Subramani an	Spectrofluor ometer analysis	AK Seaweeds, Ramanathapuram, 96000 27197	2017-18	0.15
Dr.K.Valarmathi	Improve the communicati on in PM II DCS and QCS system	Sripathi Papers and Boards Pvt Ltd, Sivakasi, 9047037586	2017-18	2.052
Mr.S.Dharmar	Flexural Test on Beam	Final Year Students, University College of Engineering, Ramanathapuram, Contact No.04567 260 262	2017-18	0.05
Mr.S.Dharmar	Utilization of Heat Curing Chamber	Final Year Students, Sethu Institute of Technology, Kariyapatti, Contact No.099433 67007.	2017-18	0.02
Mr.S.Dharmar	Test on Paver blocks	G.Manishankar, Sree Aandal Agency, Kuruvikulam, Contact No.9444140994.	2016-17	0.006
Mr.S.Dharmar	Test on Concrete	K. Jeyakumar K. Arunkumar, Final Year Students, Renganayagi Varadharaj College of Engineering, Sivakasi, Contact No.08870609058	2015-16	0.072
Mr.S.Dharmar	Colum Testing	Final year students, National Engineering College, Contact No.04632 222 502	2015-16	0.05
Mr.S.Dharmar	Testing for Ph.D work	K.Athiappan, Assistant professor, Dr.Sivanthi Adhithanar College of Engineering, Contact No.04639 242482	2015-16	0.012
Mr.S.Dharmar	Flexural Test on Beam	G.Lavanya, Assistant professor, University college of engineering, Ramanathapuram, Contact No.04567 260262	2014-15	0.06

Ms.K.Shanthi	Soil Test	Principal, Sri.K.Ramachandra Naidu College of education, Contact No.04636 26967 Principal, Sri.K.Ramachandra Naidu College of Nurshing, Contact No.04636 260950 Principal, R.V.Reha Polytechnic College, Search Results, Contact No.04636 260350	2014-15	0.16
Mr.K.Parthasarathy	Land Survey	P.Niraikulam Mohan, M.E Student, Anna University, Madurai, Contact No.0452 2555566.	2014-15	0.19
Mr.S.Dharmar	Quality Control Test	N.Rajarathinam, Assistant Engineer, Panchayat Union office, Vembakottai.	2014-15	0.06
Mr.S.Dharmar	Oven Curing	Final year students, R.Bagavathy Raja N.Ashok Kumar P.Ragvendra, Sethu Institute of Technology, Kariapatti, Contact No. 099433 67007.	2014-15	0.0075

- **Professional Skills**

Entrepreneurship Development Cell of our college regularly organizes Industrial visits and training programmes to motivate the students to become Entrepreneurs.

<b>No. of Professional Skills Programme</b>				
<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>2017-18</b>	<b>2018-19</b>
34	36	30	42	47