

## The Annual Quality Assurance Report (AQAR) of the IQAC

All NAAC accredited institutions will submit an annual self-reviewed progress report to NAAC, through its IQAC. The report is to detail the tangible results achieved in key areas, specifically identified by the institutional IQAC at the beginning of the academic year. The AQAR will detail the results of the perspective plan worked out by the IQAC. (Note: The AQAR report for the Academic Year 2015-2016).

### Part – A

#### 1. Details of the Institution

1.1 Name of the Institution

PSN College of Engineering and  
Technology

1.2 Address Line 1

Melathediyoar

Address Line 2

City/Town

Tirunelveli

State

Tamilnadu

Pin Code

627 152

Institution e-mail address

principal@psncet.ac.in

Contact Nos.

+91-4634-279680, +91-4634-279009

Name of the Head of the Institution:

Dr. C. Selvamony

Tel. No. with STD Code:

+91-4634-279009

Mobile:

9442591125

Name of the IQAC Co-ordinator:

Dr. G. Hirankumar

Mobile:

9600372718

IQAC e-mail address:

iqac@psncet.ac.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)\_\_\_\_\_

1.4 NAAC Executive Committee No. & Date:

EC/56/A&A/137 dated 16-9-2011

(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)

1.5 Website address:

www.psnct.edu.in

Web-link of the AQAR:

www.psnct.edu.in/iqac/aqar2015-16.pdf

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1 <sup>st</sup> Cycle	A	3.07	2011	2011-2016
2	2 <sup>nd</sup> Cycle				
3	3 <sup>rd</sup> Cycle				
4	4 <sup>th</sup> Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

01/10/2011

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

2015-2016

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

- i. AQAR \_\_2011-2012 submitted to NAAC on 29-09-2012\_\_\_\_\_
- ii. AQAR \_\_2012-2013 submitted to NAAC on 09-12-2013\_\_\_\_\_
- iii. AQAR\_\_2013-2014 submitted to NAAC on 15 -09-2015\_\_\_\_\_
- iv. AQAR\_\_2014-2015 submitted to NAAC on 06-05-2016 \_\_\_\_\_

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

Yes

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

5

2.2 No. of Administrative/Technical staff

2

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

1

2.7 No. of Employers/ Industrialists

Nil

2.8 No. of other External Experts

1

2.9 Total No. of members

13

2.10 No. of IQAC meetings held

1

2.11 No. of meetings with various stakeholders: No.  Faculty   
Non-Teaching Staff  Students  Alumni  Others

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.  International  National  State  Institution Level

(ii) Themes

2.14 Significant Activities and contributions made by IQAC

- ✓ PSN Trophy has been conducted during 25-27<sup>th</sup> February 2016.
- ✓ Research Advisory Council has been conducted on 25<sup>th</sup> February 2016.
- ✓ Graduation day for PG autonomous batch has been celebrated on 26<sup>th</sup> February 2016
- ✓ Director (Technology Development) post has been created and Dr.P.V.A.Padmanabhan, f. OS and Member Secretary of ATC committee, BRNS has been invited for this post.
- ✓ Director (CDC) has been created and extension activities are carried out through Community Development Centre.
- ✓ Steps have been taken to collaborate with IIT Bombay to make our students to participate in AAQ session which is being conducted by IITB through online. A video conferencing room has been developed.
- ✓ PSN Academy and PSN product centre have been instituted.
- ✓ All academic, Administrative and Research activities are monitored by Deans and Directors.
- ✓ Free yoga camp has been conducted during 16 – 21, June 2016.
- ✓ A separate block for 1<sup>st</sup> year students is opened.

## 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
To conduct PSN Trophy	PSN Trophy has been conducted
To construct a separate block for I <sup>st</sup> year students	I <sup>st</sup> year block has been built.
To institute PSN Academy and PSN product centre	PSN Academy and PSN product centre have been instituted.
To induct Scientists from leading national labs	Dr. P.V.A.Padmanabhan has been invited as Director (Technology Development)
To establish Research Advisory Council and convene the RAC meeting	RAC has been convened on 25 <sup>th</sup> February 2016.
To establish community development cell	Community Development Cell has been established.
To organize an international conference with a theme of Energy Science and Engineering	International Conference on Recent Trends in Energy Science and Engineering during 18-19, December 2016 has been organized
To conduct graduation day	Graduation day has been conducted on 26 <sup>th</sup> February 2016.
To conduct a Yoga Camp	5 days Free Yoga Camp has been organized with the support from Vyakthi Vikas Kendra – Art of Living.

\* 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

Suggestions are provided and incorporated in AQAR.

## 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	4		4	
PG	9		9	1
UG	10		10	8
PG Diploma				
Advanced Diploma				
Diploma				
Certificate				
Others				
<b>Total</b>	23		23	9
Interdisciplinary				01(STCW)
Innovative				

##### 1.2 (i) Flexibility of the Curriculum: CBCS/Core/Electives/Open Electives

##### (ii) Pattern of programmes:

Pattern	Number of programmes
Semester	19
Trimester	Nil
Annual	Nil

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.

- CBCS system was introduced
- Value added courses were offered to the students.
- In order to satisfy & meet the latest industry requirements few modifications/changes have been done in few subjects of Marine Engineering. Syllabi are framed according to DGS norms also.
- Regulation and syllabus are revised and modified according to the industrial needs with the suggestions & guidance from the industrial experts and approved by the academic council.
- To gain knowledge in interdisciplinary subjects, open electives are introduced especially for other department students.
- To make learning process easier, practical components are added with theory subject (ECN for III sem and Virtual instrumentation for VI sem).
- 'Fast track mode' has been offered for the fast learners.

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

Nil

## Criterion – II

### 2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others
220	157	27	36	

2.2 No. of permanent faculty with Ph.D.

36

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
17		-		-				17	

2.4 No. of Guest and Visiting faculty and Temporary faculty

2      -      -



## 2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	8	11	-
Presented	13	9	-
Resource Persons	1	6	-

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

- Project Support Scheme for Students (PSSS) encourage students to carryout higher objective projects.
- PSN Research Forum which is a platform for the students and faculty of our institution to present and discuss their novel and innovative ideas with their fellow colleagues, eminent Professors and Scientists was created
- Working models are displayed in the laboratory to improve the practical knowledge of the students, Mini projects and Extra credit courses are introduced for the benefit of the students. Open electives are introduced to improve the knowledge of interdisciplinary field.
- Computer laboratory is established with internet facility especially for marine cadets.
- Illustrative programming concept demonstrations using computers were given in the class rooms
- E-content has been prepared by the faculty for their respective subjects
- Continuous assessment of students is made by conducting Class tests every day
- The teaching faculty get regular feedbacks from the students regarding their subject and make changes in their mode of teaching if necessary
- Management and Principal encourage faculty participation in seminars and workshops for faculty improvement and knowledge updation.
- Industrial visits and inplant training are made mandatory to ensure higher industrial exposure
- Periodic counselling and tutor ward meetings are arranged to discuss the needs of students and their problems
- Encouraging students for journal publication
- Smart class room with LCD projector, Carrier Oriented Programme, Work shop, Working Models are displayed in the laboratory to improve the practical knowledge of the students, Mini projects, Extra credit courses are introduced for the benefit of the students.
- To understand some concepts clearly, demonstrations were made by the faculties.
- Encouraging students by presenting simple gifts to I, II & III high scored students in individual subjects.

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

180
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2.8 Examination/ Evaluation Reforms initiated by  
the Institution (for example: Open Book Examination, Bar Coding,  
Double Valuation, Photocopy, Online Multiple Choice Questions)

- Photo copy of answer scripts
- Inspection squad for theory and practical examinations
- Scrutiny committee to validate question papers
- Student can challenge the valuation

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

48

81

115

2.10 Average percentage of attendance of students

88

2.11 Course/Programme wise distribution of pass percentage:

Title of the Programme	Total no. of students appeared	Pass %
B.E CIVIL	37	78
B.E (ECE)	33	85
B.E. (IT)	4	100
B.E(EIE)	17	65
B.E(EEE)	20	100
B.E(CSE)	33	88
B.E(Aero)	19	95
B.E(Marine)	9	100
B.E(Mechanical)	67	85
dB.E – Mech & Auto	22	86
MCA	8	100
MBA	38	71
ME(Applied Electronics)	4	75
ME (Communication Systems)	5	80
ME (Embedded System Technologies)	5	100
M Tech (IT)	1	100
M.E(CSE)	12	75
M.E(Cryogenic)	9	78

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

Through academic audit committee, teaching & learning processes are monitored and evaluated. Faculty those who are lacking in their performance are given counselling and motivation individually by senior faculty members.

### 2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	2
UGC – Faculty Improvement Programme	2
HRD programmes	
Orientation programmes	12
Faculty exchange programme	
Staff training conducted by the university	1
Staff training conducted by other institutions	11
Summer / Winter schools, Workshops, etc.	25
Others	3

### 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	21		1	
Technical Staff	61		4	

## Criterion – III

### 3. Research, Consultancy and Extension

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

Providing periodical workshop to enhance the research capability Creating collaboration with international institute Student exchange programme
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#### 3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	6	3	-	1
Outlay in Rs. Lakhs	115.5	144.04	-	-

#### 3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	3	-	-	4
Outlay in Rs. Lakhs	0.18	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	45	7	
Non-Peer Review Journals	-	1	
e-Journals	5	1	
Conference proceedings	3	2	

3.5 Details on Impact factor of publications:

Range  Average  h-index  Nos. in SCOPUS

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	Received
Major projects	3 years	DST/ BRNS	1,45,64,000	83,00,000
Minor Projects				
Interdisciplinary Projects				
Industry sponsored				
Projects sponsored by the University/ College	6 months	PSNCET	1,50,000	1,50,000
Students research projects ( <i>other than compulsory by the University</i> )				
Any other(Specify)				
Total			1,46,04,000	84,50,000

3.7 No. of books published i) With ISBN No.  Chapters in Edited Books

ii) Without ISBN No.

3.8 No. of University Departments receiving funds from

UGC-SAP  CAS  DST-FIST   
DPE  DBT Scheme/funds

3.9 For colleges Autonomy  CPE  DBT Star Scheme   
INSPIRE  CE  Any Other (specify)

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	2			1
Sponsoring agencies	PSNCET	IET, PSNCET			-

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

3.13 No. of collaborations International  National  Any other

3.14 No. of linkages created during this year

3.15 Total budget for research for current year in lakhs:

From funding agency  From Management of University/College

Total

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
2	-	-	-	2	-	-

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

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	158	State level	Nil
National level	Nil	International level	Nil

3.22 No. of students participated in NCC events: No NCC unit

University level	-	State level	-
National level	-	International level	-

3.23 No. of Awards won in NSS:

University level	Nil	State level	Nil
National level	Nil	International level	Nil

3.24 No. of Awards won in NCC: No NCC unit

University level	-	State level	-
National level	-	International level	-

3.25 No. of Extension activities organized

University forum	Nil	College forum	2
NCC	NA	NSS	4
		Any other	Nil

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

1. Through Community development center conducted an 15 days hands on training on welding and House wiring for the inmates of Central Prison Palayamkottai - Tirunelvely.

Ist Phase Welding 15 and House wiring 15 Total 30 inmates trained.

IInd Phase Welding 20 and House wiring 25 Total 45 inmates trained

Ist and IInd Phases are 75 inmates trained in 2015.

2. Through Waste Papers recycling plant trained 305 students from various departments in engineering and polytechnic to make the paper from our Waste Papers Recycling Plant.

3. Blood Donation Camp was organized

4. Eye awareness program was organized

5. Dental care program was organized

## 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	26.74 acres	-	Fee collection	26.74 acres
Class rooms	21641.81 sq.m	-	Fee collection	21641.81 sq.m
Laboratories	11062.9 sq.m	-	Fee collection	11062.9 sq.m
Seminar Halls	1570 sq.m	-	Fee collection	1570 sq.m
No. of important equipments purchased ( $\geq$ 1-0 lakh) during the current year.	14	3	Government funding agencies	17
Value of the equipment purchased during the year (Rs. in Lakhs)	189.02	18	Government funding agencies and budget allotted by the Management	207.02
Others	-	-	-	-

#### 4.2 Computerization of administration and library

All departments including first year and library are computerized

#### 4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	55946	19567450	100	35000	56046	19602450
Reference Books	3117	1130100	15	6000	3132	1136100
e-Books	60	49000	-	-	60	49000
Journals						
e-Journals						
Digital Database						
CD & Video	3214	-	390	-	3604	
Others (specify)	-		-	-	-	-

#### 4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	900	533 Computers	100	0	140	20	68	39
Added	20	0	0	0	0	0	20	0
Total	920	533	100	0	140	20	88	39

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

Internet access is provided to the faculty members and students 24x7. Training to provide knowledge of new technology (softwares) is provided to all the faculty members. Campus is connected through network. Each Building is connected with Optical fibre cable for avoiding data loss. The construction of online computing centre with TCS Collaboration is underway.

4.6 Amount spent on maintenance in lakhs:

i) ICT	-
ii) Campus Infrastructure and facilities	15
iii) Equipments	23
iv) Others	
<b>Total:</b>	<b>38</b>

## Criterion – V

### 5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- Project support scheme for students (PSSS) by Management
- Tuition fee, hostel fee and transport fee waiver
- 24x7 library facilities
- Meritorious students are given financial support to carry out their final semester project.
- Bridge course was conducted for fresher
- Conduction of career oriented programmes, industrial visits per semester, In-plant training
- Regular meetings/monitoring
- Students who are interested in sports are encouraged by waiving their tuition fee and providing free accommodation and food
- Full time research scholar are provided stipend along with free accommodation and food for three years.
- Free Yoga Camp has been organized in our campus during 16-21, June 2016

5.2 Efforts made by the institution for tracking the progression

- Regular meeting/monitoring/counselling the students.
- Student's individual file is maintained in the department.
- Special attention for weak and slow learners



5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
1292	182	43	-

(b) No. of students outside the state

341

(c) No. of international students

Nil

Men	No	%	Women	No	%
	1015	68		502	32

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
615	139	-	757	3	1511	480	92	-	945	2	1517

Demand ratio

Dropout %

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

- To provide support mechanism for competitive examinations for the students, as a part of curriculum, we have added comprehension laboratory, in which the students are divided into three groups based on their technical interest. The students were encouraged by comprehending the knowledge acquired from the first semester to sixth semester of their course.
- Weekly 2 hours allotted for competitive exam coaching
- TECHNICAL ENGLISH COMMUNICATION classes
- Coaching classes for GATE examination were conducted.

No. of students beneficiaries

157

5.5 No. of students qualified in these examinations

NET	-	SET/SLET	-	GATE	-	CAT	-
IAS/IPS etc	-	State PSC	-	UPSC	-	Others	-

## 5.6 Details of student counselling and career guidance

- Through students counselling centre conducted a “one day awareness program on Adolescent psychological issues and self empowerment and interactions” on 18-01-2016 for the students of PSNCET.
- Mentor is allotted for every 10 students
- Career guidance is provided to all students and they are motivated by the department placement coordinator to equip themselves for better employment.
- Personal and academic details of all students are maintained

No. of students benefitted

490

## 5.7 Details of campus placement

<i>On campus</i>			<i>Off Campus</i>
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
8	86	15	16

## 5.8 Details of gender sensitization programmes

- Women Cell is working smoothly for the gender sensitization. No critical issues and matters were reported. Main function of Women Cell is to sensitize through various programs on women issues and to solve the issues related with women working in this institute.
- Department discipline committee monitors the entire department to prevent eve teasing and ragging.
- Students are educated regarding the problems and punishments in case of involvement in eve teasing and ragging.
- Awareness is created regarding the existence of a Women Cell to take care of the problems faced by girls.

## 5.9 Students Activities

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

State/ University level

28

National level

3

International level

Nil

No. of students participated in cultural events

State/ University level

15

National level

Nil

International level

Nil

No. of students participated in Symposium

State/ University level  National level  International level

No. of students participated in Workshop

State/ University level  National level  International level

No. of students participated in conference

State/ University level  National level  International level

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

Sports: State/ University level  National level  International level

Cultural: State/ University level  National level  International level

#### 5.10 Scholarships and Financial Support

	Number of students	Amount (Rs.)
Financial support from institution	35	14,00,000
Financial support from government	386	1,12,46,060
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

#### 5.11 Student organised / initiatives

Fairs : State/ University level  National level  International level

Exhibition: State/ University level  National level  International level

5.12 No. of social initiatives undertaken by the students

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 raise this as a centre of excellence and a prestigious institution, producing enterprising engineering graduates but giving them quality education and practical training.

#### MISSION

To train students from rural areas and develop them into fully accomplished persons and responsible citizens who would contribute to the building of the nation.

6.2 Does the Institution has a management Information System

Yes

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

#### 6.3.1 Curriculum Development

- Every year atleast one Board of Study & two Academic Council meetings are conducted with inclusion of experts from national labs, institutions to revise/modify the curriculum and syllabus according to the regional needs.
- Board of Studies contains experts from industries and lead national level institutions.

#### 6.3.2 Teaching and Learning

By using ICT in teaching & learning. E-learning materials are used by young faculty members to cover the syllabus.

Additional topics are also covered over and above the syllabus.

#### 6.3.3 Examination and Evaluation

- Internal Examination and Evaluation - Students were evaluated continuously through Unit Test (From Unit I to Unit V).
- External Examination and Evaluation - Annual Exam is conducted by Controller of Examination, PSN College of engineering and Technology (Autonomous).
- Marks for attendance, submission of assignments and seminars.

#### 6.3.4 Research and Development

Dr. P.V.Anantha Padmanabhan, f. outstanding scientist was invited to work in our research centre to promote research culture in the campus

Project support scheme for students was introduced to inculcate the research activities among students.

Conducting workshop to motivate the faculty members to know about different funding agencies and prepare them to write project proposal.

#### 6.3.5 Library, ICT and physical infrastructure / instrumentation

Central Library is functioning round the clock.

Separate library block was opened.

Library committee suggested a list of books based on interaction with the students and faculty members. This list was forwarded to concerning authority for sanction and purchase of books.

#### 6.3.6 Human Resource Management

Young faculty members are given training under senior faculty. Additional responsibilities are given to senior faculty members.

#### 6.3.7 Faculty and Staff recruitment

Based on the requirement of the departments, advertisements were given in the leading news papers and experienced and meritorious candidates were selected for the teaching posts.

#### 6.3.8 Industry Interaction / Collaboration

Through Industry – Institute Partnership Cells people from industries were invited to various departments either to conduct invited lectures or for conducting workshop or to motivate the students.

#### 6.3.9 Admission of Students

Admission office consisting of senior faculty members involve in the admission process.

Advertisements are given in all leading dailies

Students who are talented in sports are provided fee waiver / fee concession

6.4 Welfare schemes for	Teaching	Yes
	Non teaching	Yes
	Students	Yes

6.5 Total corpus fund generated

6.6 Whether annual financial audit has been done  Yes  No

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	IRS – Mumbai	Yes	Senior faculty members
Administrative	Yes	IRS – Mumbai	Yes	

6.8 Does the University/ Autonomous College declare 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?

Office of Controller of Examination is computerized.

Question paper setting is by 60% external & 40% by internal for all theory Examinations, as well as 50% External & 50% Internal for laboratory

Scrutiny committee is formed with external experts to verify question papers.

Evaluation is done by 50% external examiner and 50% internal examiner.

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

NA

### 6.11 Activities and support from the Alumni Association

Participation of alumni in seminars and talk-shows. Alumni were contacted for suggestions and feedback regarding teaching learning process and placement.

### 6.12 Activities and support from the Parent – Teacher Association

Parent – Teachers meeting was conducted and suggestions were received from parents for enhancement of academic activities.

### 6.13 Development programmes for support staff

Encouraged to attend programmes arranged in other colleges

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

- Eco- Friendly club, Club-De-Marine are functioning.
- Continuously campus is being watched and observed for its greenery and cleanliness. Rain water harvesting system is working. Proper disposal of garbage is done. Proper staff has been appointed for its maintenance
- Plastic free Environment
- Tree plantation.
- Creating and maintaining gardens in all possible locations.
- Firing &Smoking prohibited inside the college campus
- Sewage Treatment Plant
- Waste paper recycling campus

## Criterion – VII

### **7. Innovations and Best Practices**

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

- Open elective course:

An elective course chosen by a student of any discipline other than parent department with an intention to seek exposure is called an open elective. Courses in this category aim at enhancing the professional knowledge of students in interdisciplinary area and increasing their employment opportunity. The open elective course includes: (i) Courses in Recent development

(ii) Courses which impart students to ethical, social and national issues. (iii) Courses required by Industry. During the period of study there are two open elective courses are selected by the students from other discipline.

- Extra credit course:

Apart from the regular curriculum credits, the various Value Added courses, Environmental awareness Programme, International certified courses are offered to our students to enhance their knowledge and make them as social responsible with empirical power.

- Students utilizing the PCB and NI lab by applying their innovative ideas and producing projects in the field of electronics which matches the latest technology.
- Encouraged for group studies for competitive examinations.
- Self learning courses at department level for developing their self learning skills.
- Career guidance programmes from outside experts.
- Communication skills and personality development programme for placement activities
- Conducting 5 unit tests, daily class tests and PPT classes for slow learners
- Content based videos which is useful for understanding the subjects.
- To motivate the students, competitions were conducted to design banners, invitation for association function and there by distributed the prizes for the best one.
- Fast track system that is the student can complete his/her required credit well in advance is introduced to fast learning students.
- Problem based learning

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

- PSN Academy and PSN product centre have been instituted
- RAC has been convened on 25<sup>th</sup> February 2016.
- Slow learners are identified and adopted different strategies for them to improve pass percentage.
- All department students must visit at least one industry in their higher semester.
- Placement training and carrier guidance programme are organized
- PSN Trophy was conducted
- I<sup>st</sup> year block has been built.
- Community Development Cell has been established.
- International Conference on Recent Trends in Energy Science and Engineering during 18-19, December 2016 has been organized
- Graduation day has been conducted on 26<sup>th</sup> February 2016.
- 5 days Free Yoga Camp has been organized with the support from Vyakthi Vikas Kendra – Art of Living.



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

- Full time meritorious research scholars are provided management stipendiary of Rs.8,000 along with free accommodation and food
- Final year meritorious students are given research grant to carry out in house research in the research centres under PSSS.

7.4 Contribution to environmental awareness / protection

- Environmental day celebration was conducted for awareness.
- Housekeeping done every week for Green campus
- Recycling of waste paper in order to protect the environment.
- Planting of trees.
- Helmet awareness among the public.
- NSS, YRC, RRC are working.
- Save trees Save earth - slogans

7.5 Whether environmental audit was conducted?

Yes

No

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

Nil

**8. Plans of institution for next year**

- To apply for NAAC reaccreditation
- To improve on campus placement

Name Dr.G.Hirankumar

Name Dr. C. Selvamony

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*Signature of the Coordinator, IQAC*

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*Signature of the Chairperson, IQAC*