



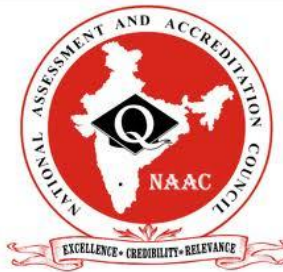
**PRATHYUSHA ENGINEERING COLLEGE
ARANVOYALKUPPAM – 602025**

**The Annual Quality Assurance Report (AQAR) of the
IQAC
2016-2017**

Submitted by

**Internal Quality Assurance Cell [IQAC]
PRATHYUSHA ENGINEERING COLLEGE**

Submitted to



National Assessment and Accreditation Council
An Autonomous Institute of the University Grants Commission
P. O. Box No. 1075, Nagarbhavi, Bangalore - 560 072
Karnataka, INDIA

The Annual Quality Assurance Report (AQAR) of the IQAC
For the year July 1, 2016 to June 20, 2017

Part – A

I. Details of the Institution

1.1 Name of the Institution

Prathysuha Engineering College

1.2 Address Line 1

Aranvoyal Kuppam

Address Line 2

Poonamalle to Thiruvallur Road

City/Town

Thiruallur

State

Tamilnadu

Pin Code

602025

Institution e-mail address

principal@prathyusha.edu.in

Contact Nos.

044-37673767

Name of the Head of the Institution:

Dr. P.L.N. Ramesh

Tel. No. with STD Code:

044-37673767

Mobile:

8939908019

Name of the IQAC Co-ordinator:

Dr. P.L.N. Ramesh

Mobile:

8939908019

IQAC e-mail address:

principal@prathyusha.edu.in

1.3 NAAC Track ID (For ex. MHCOGN 18879)

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)/13/A&A/51.1 dated 17-3-2016.

1.5 Website address:

www.prathyusha.edu.in

Web-link of the AQAR:

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	1 st Cycle	A	3.13	2016	5 Years [15 th MAR 2016 to 16 th MAR 2021]
2	2 nd Cycle				
3	3 rd Cycle				
4	4 th Cycle				

1.7 Date of Establishment of IQAC :

DD/MM/YYYY

16/06/2016

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

2016-17

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)

-NA--

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 : NIL

Autonomy by State/Central Govt. / University	<input type="text" value="-"/>		
University with Potential for Excellence	<input type="text" value="-"/>	UGC-CPE	<input type="text" value="-"/>
DST Star Scheme	<input type="text" value="-"/>	UGC-CE	<input type="text" value="-"/>
UGC-Special Assistance Programme	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
UGC-Innovative PG programmes	<input type="text" value="-"/>	Any other (<i>Specify</i>)	<input type="text" value="-"/>
UGC-COP Programmes	<input type="text" value="-"/>		

2. IQAC Composition and Activities

2.1 No. of Teachers	<input type="text" value="153"/>		
2.2 No. of Administrative/Technical staff	<input type="text" value="63"/>		
2.3 No. of students	<input type="text" value="2245"/>		
2.4 No. of Management representatives	<input type="text" value="1"/>		
2.5 No. of Alumni	<input type="text" value="672"/>		
2.6 No. of any other stakeholder and community representatives	<input type="text" value="1"/>		
2.7 No. of Employers/ Industrialists	<input type="text" value="26"/>		
2.8 No. of other External Experts	<input type="text" value="5"/>		
2.9 Total No. of members	<input type="text" value="15"/>		
2.10 No. of IQAC meetings held			
2.11 No. of meetings with various stakeholders:	No. <input type="text" value="4"/>	Faculty	<input type="text" value="√"/>
	Non-Teaching Staff <input type="text" value="√"/>	Students <input type="text" value="√"/>	Alumni <input type="text" value="√"/>
		Others	<input type="text"/>

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

- The main activity being formulation of plan of action and ensuring the execution of all activities
- Improved the Graduation Results & University Ranks
- Enhanced employability by implementing personality development programs, value added certificate courses & pre-placement training program for the students
- Established linkages with Industries
- Career Guidance and Placement Cell strengthened
- Upgraded library by subscription to e-journals (IEEE)
- More avenues for students to engage in community services
- Sensitizing students to ecological and environmental issues
- Publication of Journals of international standards
- Seminars, conferences and invited talks arranged for students & Faculty members

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

* 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 approved the AQAR after a detailed discussion with college authorities and formal sanction was given. They also suggested to strengthen the areas of Sponsored Research and consultancy works

Part – B

Criterion – I

I. 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	2	-	-	
PG	4	-	4	
UG	6	-	6	
PG Diploma	-	-	-	
Advanced Diploma	-	-	-	
Diploma	-	-	-	
Certificate	-	-	-	
Others	-	-	-	
Total	12	-	10	

Interdisciplinary				
Innovative				

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

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	12
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.

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

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Total	Asst. Professors	Associate Professors	Professors	Others

2.2 No. of permanent faculty with Ph.D.

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

2.4 No. of Guest and Visiting faculty and Temporary faculty

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

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended	-	-	-
Presented papers	11	3	-
Resource Persons	-	-	-

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

- Innovative teaching approaches have been introduced ever since the College has become autonomous by amalgamating theoretical knowledge with practical approaches.
- Introduced 56 technical and domain clubs and new teaching methods such as role play, mind mapping etc
- Use of ICT in teaching learning process
- Establishing the Lesson plan for every subject well before the commencement of each semester along with the course hand outs which are made available to all students on the start of the academic year
- Teacher's study materials [soft copy-power point/PDF presentation] are shared with students
- Teaching faculty and students are encouraged to use latest technology such as LCD, internet, NPTEL videos etc., in the teaching learning process
- Departments are provided with LAPTOPS by the management to support ICT
- Innovative teaching methods such as role play, mind mapping, puzzles etc

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

167

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

Centralized Examination Centre will take all the related examination / Evaluation work

The question papers are set by experienced faculty members [EXPERT] and valuation is done by subject faculty members.

Results are processed through GOOGLE DRIVE & WHATSAPP and the results are published before commencement of the next semester.

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

-NA-	-NA-	-NA-
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2.10 Average percentage of attendance of students

98

2.11 Course/Programme wise distribution of pass percentage : Awaiting for results

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

- IQAC assists the college in preparing Academic Plan every year
- It publishes “ Academic Calendar” each year and issues to all the faculty and students incorporating the Academic Plan in it
- Faculty Development Programmes and orientation programmes are arranged for enhancing professional competency and teaching skills of the faculty.
- It ensures that the Departments provide course outline and course schedule to the students prior to the commencement of the academic session.
- Apart from traditional lecture method of teaching, the IQAC advocates student centric learning - a process in which group discussions, interactive session, seminars , articles / book review, conducting various academic related activities , extension activities, each students, participation in skill development programmes, learning value/ ethics based courses etc., are involved.

- The use of ICT, e-learning, e-books on-line journals, software meant for teaching are the latest technologies in operation at the initiatives of IQAC.
- The college adopts mentor/ tutor system to look after the learning capabilities of students individually.
- Feedback system is adopted to evaluate the teacher's performance by students / alumni.
- Student's performance is evaluated through Internal Assessment Exam [IAE] and End semester Examinations and students Grievance if any is fully addressed by means of well established mechanism.
- Each department is allotted with 14 different co-ordinators to lookj into academic, teaching, research, placement, student support etc.
- The monitoring system in respect of teaching, learning and evaluation is manifold such as, IQAC, feedback from stakeholders, Management Review, Internal Audit by IQAC and ISO surveillance Audit by external agency.

2.13 Initiatives undertaken towards faculty development

<i>Faculty / Staff Development Programmes</i>	<i>Number of faculty benefitted</i>
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	10
Staff training conducted by other institutions	-
Summer / Winter schools, Workshops, etc.	189
Others	-

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	13	-	1	-
Technical Staff	37	-	2	-

Criterion – III

3. Research, Consultancy and Extension

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

- Faculty projects to promote research culture.
- Motivating students to do many innovative projects and participate in competitions at National and International level
- Directing towards publication of papers in quality journals by students and faculty members.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	2	1	-	11
Outlay in Rs. Lakhs	3,27,04,501	6,21,400	-	2,98,73,238

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	1	-	-
Non-Peer Review Journals	65	-	-
e-Journals	-	-	-
Conference proceedings	8	-	-

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				
Minor Projects				
Interdisciplinary Projects				
Industry sponsored	1		25,000	
Projects sponsored by the University/ College				
Students research projects <i>(other than compulsory by the University)</i>	1		20,000	
Any other(Specify)	2 (DST – NIMAT)		40,000	

Total			85,000	
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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	<input type="text" value="-"/>	CAS	<input type="text" value="-"/>	DST-FIST	<input type="text" value="-"/>
DPE	<input type="text" value="-"/>			DBT Scheme/funds	<input type="text" value="--"/>

3.9 For colleges	Autonomy	<input type="text" value="-"/>	CPE	<input type="text" value="-"/>	DBT Star Scheme	<input type="text" value="-"/>
	INSPIRE	<input type="text" value="-"/>	CE	<input type="text" value="-"/>	Any Other (specify)	<input type="text" value="-"/>

3.10 Revenue generated through consultancy

3.11 No. of conferences organized by the Institution

Level	International	National	State	University	College
Number	1	-	-	-	-
Sponsoring agencies	IEEE	-	-	-	-

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	<input type="text" value="1,00,000"/>	From Management of University/College	<input type="text" value="10 Lakhs"/>
Total	<input type="text" value="11,00,000"/>		

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

3.16 No. of patents received this year

	Granted	-NA-
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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
-	-	-	-	-	-	-

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

8
25

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	1	State level	1
National level	-	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	-	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
 NCC NSS Any other

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

-
-

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	33.36 Acres	33.36 Acres		33.36 Acres
Class rooms	85	85		85
Laboratories	59	59		59
Seminar Halls	04	04		04
No. of important equipments purchased (≥ 1-0 lakh) during the current year.	-	-	-	-
Value of the equipment purchased during the year (Rs. in Lakhs)	-	-	-	-
Others	-	-	-	--

4.2 Computerization of administration and library

- College Office, Office of the controller of Examinations, Library and the entire administrative processes are completely computerized and interlinked with LAN connection.
- Wi-fi enabled campus
- OPAC software is installed in the library
- University correspondence is in digitalized mode (Online Entry of Internal Marks and Attendance)
- E-journals facility
- Parent intimation through online system

4.3 Library services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	59080	1,83,45,189	707	-	59787	1,83,45,189
Reference Books	-	-	-	-	-	-
e-Books	350	1,03,063	1798	-	2148	1,03,063
Journals	86	1,95,375	68	1,43,500	-	3,38875
e-Journals	654	13,15,606	179	7,16,731	-	20,32,337
Digital Database	654	-	1501	-	-	-
CD & Video	1650	-	-	-	-	-
Others (specify)	NPTEL	1,00,000	-	-	-	1,00,000

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	1213	27	24 MBPS	06	27	13	14	--
Added	-	-	-	-	-	-	-	-
Total	1213	27	24 MBPS	06	27	13	14	--

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

- Computer and internet facility round the clock
- Internet access in boys and Girls hostel after 5:00pm
- Wi-Fi Enabled Campus
- Value added Course relevant to their subjects
- Faculty Development Programmes and workshops in emerging area [Big Data, Hadoop, Cloud Computing, E-Governance etc] for faculty and students.
- Skill up gradation programme for technical faculty.

4.6 Amount spent on maintenance in lakhs :

i) ICT	38
ii) Campus Infrastructure and facilities	20
iii) Equipments	9.5
iv) Others	75.5
Total :	143

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

The IQAC renders information and support that the students and the alumni need.. It also ensures that the students are provided with skills and competencies needed for successful competition in the employment market.

IQAC creates awareness about Student Support Services through

- Orientation and Technical training programmes [First 2 Weeks]
- Class committee / Representative meetings
- Information display on website / notice board.
- Tutor Ward & Parents Meetings

5.2 Efforts made by the institution for tracking the progression

- ❖ Each department maintains records related to programme – Admission, Success rate, percentage of students progressing to higher education or employment etc.
- ❖ Tracking the progression is done by:
 - Monitoring academic performance by continuous evaluation [IAE]
 - Regular monitoring of students attendance and participation in co-curricular and extra curricular activities.
 - Regular observation
 - Regular mentoring / meetings/monitoring
 - Faculty involvement through counselling system.
 - Regular feedback from students

5.3 (a) Total Number of students

UG	PG	Ph. D.	Others
2210	35	--	--

(b) No. of students outside the state

640

(c) No. of international students

-

Men	No	%	Women	No	%
	1350	60.13		895	39.86

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
96	50	3	342	-	491	143	30	0	202	-	375

Demand ratio 100%

Dropout % 0.93

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

- The Training and placement cell is providing coaching to various competitive exams such as Technical, Aptitude, GATE, TOFEL, GRE and certification examinations.
- The Quantitative Aptitude and Logical Reasoning has been made mandatory for all students.
- The Materials required to prepare for competitive examinations are purchased and made available to the students in the library.
- Journals / Magazines related to competitive examinations are kept in the library.

No. of students beneficiaries

ALL STUDENTS

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

A separate counselor is allotted to each student.
 No. of Students per counselor/Tutor - 15

- Mode - Personal Meeting
- Area – Academic, Personal problem, Grievances and Motivation for better performance
- Reporting - Monthly Report to the Head of Departments.
- Monitoring : HoDs are responsible to monitor counseling and career guidance process

A separate training and placement cell is established for career guidance

No. of students benefitted

ALL STUDENTS

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
26	510	346	71

5.8 Details of gender sensitization programmes

Women’s redressal cell and the PEC College culture play a major role in bringing revolutionary changes in the college and society. Girls are trained to take a lead role. It promotes gender equity and gender integration.

5.9 Students Activities

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

State/ University level National level International level

No. of students participated in cultural events

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
Financial support from institution		
Financial support from government	1809	2,69,12,435
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 emerge as a premier technical and engineering institution in the country by imparting quality education and thus facilitate our students to blossom in to dynamic professional so that they play a vital role for the progress of the nation and for a peaceful co-existence of our fellow human being.

MISSION

Prathyusha Engineering College will strive to emerge as a premier Institution in the country by

- To provide state of art infrastructure facilities
- Imparting quality education and training through qualified, experienced and committed members of the faculty
- Empowering the youth by providing professional leadership
- Developing centres of excellence in frontiers areas of Engineering, Technology and Management
- Networking with Industry, Corporate and Research Organizations
- Promoting Institute-Industry partnership for the peace and prosperity of the nation

6.2 Does the Institution has a management Information System

Yes. The College has a full-fledged Management information system for the Academic and administrative functioning of the college. The administrative system in the college is fully automated with appropriate software and all information on student admission, examinations, marks, fee payments, etc is available for timely decision making and actions. The College library is also automated and the information regarding availability of books, issue details, etc is available to the students and staff at finger tips. An online public access catalogue (OPAC) is implemented to enable the students for speedy and convenient access to the library catalogue.

All the academic and administrative issues are deliberated and discussed in the appropriate body / Committees.

The deliberations are properly minuted and the decisions implemented at all levels in the form of proceedings, rules and regulations and policies. All relevant information about the college is published on the college website for reference.

Some forms of MIS are

- Daily Absent Report (Staff & Students)
- One Page Monthly Report
- IQAC Monthly Presentation
- Management Review Meetings
- Budget Meetings
- IQAC Quarterly Meetings
- Semester Progress Report
- Annual Report
- Governing Council

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

6.3.1 Curriculum Development

Quality curriculum is developed taking into account the views of all stakeholders students, alumni, subject experts, faculty expertise and industrial experts. Industry based curriculum with societal impact is the key point in developing the curriculum. In an affiliating system there is limited flexibility for innovative curricular designing. However the colleges involves in the process indirectly

6.3.2 Teaching and Learning

- Adopting **interactive method, project-based learning, computer-assisted learning, experiential learning, Centric learning, seminars, guest lectures, group discussions** to make teaching and learning as efficient and effective process.
- Use of teaching aids like OHP and LCD Projector in addition to Conventional lecture method.
- Web based learning and Visual class rooms are used to enrich their knowledge in latest Technologies.
- Providing practical experience by way of hands on training, mini projects and additional lab experiments beyond the syllabus.
- Providing Internet facilities during college hours and beyond to have exposure to latest trends.
- Arranging guest lecturers by inviting experts from Industries, Research Organizations and Educational Institutions in the emerging field to enable the staff and students to learn new technologies.
- Interaction sessions are arranged with people from Industries to have a clear idea regarding the industrial needs.
- Encouraging the learners to ask questions during teaching process (Learn by Queries) in order to clear the doubts while grasping the subject.

- Submitting assignments / Innovative works on various topics.
- Conducting seminars and presenting papers in the class, provides platform for discussion among the learners.
- Visiting Industries, Exhibitions, Trade Fairs etc., helps to enhance their knowledge.
- Participating and presenting papers in symposiums, Conferences, Displaying their Project etc., helps to exhibit their talents.
- Arranging Professional Trainers from reputed organization to develop their aptitude, communication, personality development and other soft skills.
- Identifying the slow learners and adopting remedial measures to improve

6.3.3 Examination and Evaluation

All components in any programme of study are evaluated continuously through internal assessment and an external assessment. Internal assessment is done throughout semester in the form of Internal assessment examinations and assignments. External evaluation is done at the end of semester in the form of end examination.

Question paper setters for end examination are from outside the college. Subject experts from our institute prepare the scheme of evaluation, giving guidelines for the examiners for distribution of marks for different points in the question. In case of numerical problems, solution of the problems with distribution of marks for different stages should be given in scheme of marking. Evaluation of answer scripts will be done by the external examiners from other colleges and universities.

The method of evaluation involves dummy number allotment to answer scripts to ensure unbiased evaluation. Evaluation process is transparent. Institute communicates the outcome of the evaluation by publishing results on the internet through Institute website. Students shall be permitted to request for revaluation of the end theory examination answer scripts within a stipulated period after announcement of the results. After revaluation, records are updated with changes if any and the student will be issued a revised memorandum of marks.

Based on the credits and marks obtained by the student Semester Grade Point Average (SGPA) will be calculate for semester and Cumulative Grade Point Average (CCPA) will be calculated for entire program. Award of class will be finalized based on CGPA. A soft copy of consolidated mark statement is sent to all departments and it can be used for clarification and result analysis after publication of results. Analysis of student's results is done by the respective departments.

6.3.4 Research and Development

- A separate Research and Development cell is functioning with a designated R & D Director.
- Efforts are being taken to obtain research projects, grants from funding agencies.
- Providing monetary incentives to the staff and students for presenting research papers in State. International, National level Seminar and Symposium.
- The Institution offers 50% of the registration fee with OD for faculty who are presenting the papers in national & International conferences.
- Rs. 1500 & 1000 cash award for paper presented in International and National Journals.
- Sharing of 40% of the consulting revenue to the consultancy team.

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- Providing monetary incentives to the staff and students for presenting research papers in State. International, National level Seminar and Symposium.
- The Institution offers 50% of the registration fee with OD for faculty who are presenting the papers in national & International conferences.
- Rs. 1500 & 1000 cash award for paper presented in International and National Journals.
- Sharing of 40% of the consulting revenue to the consultancy team.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library

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.

ICT Infrastructure

LCD projectors, Desktops, printers, Internet switches, Dot matrix printers, UPS, application software and systems software's

Physical Infrastructure

SNSCT has sufficient infrastructures which includes, seminar Halls equipped with internet and projector with seating capacity of 200-7000 members Faculty rooms, Meeting rooms, Office , Class rooms ,Tutorial rooms, Boys common rooms, Girls common rooms, Laboratories equipped with necessary hardware and software, communication Laboratory, Research Laboratory , Library, Internet and wi-fi facility in the entire building.

The academic schedule is drawn at the beginning of the academic year itself in such a way that the available Air Conditioned Seminar Halls, Language Lab, Computer Centres, Hardware Labs, Audio Visual Rooms, LCDs, Play grounds, Gym, Digitalized Library, Dynamic Website, 24x7 Wi-Fi Campus, Controller of Examination Centre are utilized to the maximum extent by all the Departments without compromising the quality of service to the students.

6.3.6 Human Resource Management

A well established team manages Human Resource of the College. It is responsible for the attraction, selection, training, assessment, and rewarding of employees, while also overseeing organizational leadership and culture and ensuring compliance with employment and government laws. Proper care is taken in the selection process for keeping quality in the appointments. Staff sent for various types of training programme and workshops for enhancing their competence. Work distributed as per qualifications and experience of the staff. Incentive given to the staff.

The Governing Body is the supreme body which is headed by the Chairman of the Management Council. Two members of the Management (Correspondent and Secretary), UGC, University and the State Government Nominees, the Principal, Vice-Principal, Trustee, two External members as educationists and two Senior Professors of the College are the members. The Governing Body meets at least once in a year for providing valuable guidance in planning, organizing and execution of all academic and administrative activities.

The Principal of the College is the academic head of the Institution. He looks after the academic activities of the Institution and maintains a cordial relationship with the management and all stakeholders of Higher education.

6.3.7 Faculty and Staff recruitment

The faculty and staff recruitment is done on the basis of merit. The vacancies arising at different points of time are notified in news papers and applications are received. The candidates will be called for an interview through advertisement in regional/national newspapers, College Website and in response to their application for the posts submitted voluntarily.

- ▶ Constitution of the Selection Committee, consisting of the Members of the Management, Principal, HOD concerned and subject expert from outside.
- ▶ Conduct the interview paying importance to their aptitude, communication skill, interest in teaching profession, educational qualification, professional competency, subject knowledge etc.
- ▶ The College Committee will finally approve the selection and the Chairman will issue the appointment order to the selected candidate.

Qualification, eligibility criteria, pay scale are as per the AICTE & state government norms

6.3.8 Industry Interaction / Collaboration

- The Industry Institute Partnership Cell (IIPC) at SNSCT is intended to be the face of the institute to the industry. It aims to facilitate the process of close industry-institute interaction and actively promoting fresh avenues for the same. The Industry Institute Partnership Cell (IIPC) at SNSCT strives to enhance industry interaction with students and bridge the gap between academic and corporate world. IIPC invites entrepreneurs, executives and policy makers to address students thereby facilitating practical learning.
- Major events organized by the departments along with IIPC are,
 - Guest lectures
 - Industry visits
 - Inplant Trainings
 - Internships
 - Personality development and grooming sessions
 - Placement sessions
 - CEO Talk
 - MoU Signing
 - Industrial Projects

6.3.9 Admission of Students

The College ensures transparency in the admission process by strictly adhering to the guidelines issued by the AICTE, Govt. of Tamil Nadu, Directorate of Technical Education and Anna University.

In B.E./ B.Tech., 65% of seats are admitted through Counseling by Single Window System conducted by Anna University Chennai. Remaining 35% seats are admitted through Management Quota. Admission for Management Quota is done as per the procedure given by the Consortium of Self Financing Professional, Arts & Science Colleges in Tamil Nadu.

For PG Programmes such as MBA & MCA, 50 % seats are filled by Government Quota and the remaining 50% by Management Quota, in case of M.E/ M.Tech programmes out of 18 seats sanctioned 15 seats are filled by management quota and 3 seats by counseling.

Admission for Management quota is done as per the procedures of Consortium of Self Financing Professional, Arts & Science Colleges in Tamil Nadu.

6.4 Welfare schemes for

Teaching	
Non teaching	
Students	

Teaching	<ul style="list-style-type: none"> • Certificates of appreciation for producing 100% results in theory subjects in University examinations in the subjects handled. • Monetary incentives for publication / presentation of papers in peer-reviewed Journals and Conferences. • Granting permission for attending Conferences, Seminars, Workshops ,Faculty Development Programme , Summer /Winter school etc. • Permission to register for doing M.E/ Ph.D., programmes to enhance their qualifications. • Some other benefits : <ul style="list-style-type: none"> Group medical insurance Medical leave facility On duty facility FreeTransport Facility
Non – Teaching	<ul style="list-style-type: none"> ➤ Provident Fund ➤ Group Insurance ➤ Free Transport Facility ➤ Medical leave facility

Students	<ul style="list-style-type: none"> ➤ Financial assistance to economically weaker students ➤ Merit Scholarship based on their academic performance ➤ Remission of Tuition fees for deserving ➤ Sports Concession in Tuition Fees ➤ Free Lap top / iPad to MCA/ MBA Students ➤ Best Student Award ➤ State/Central Government Scholarship facilities ➤ Support for getting Educational Bank Loan / Financial Assistance from Private Trust. ➤ Subsidized Bus Fare ➤ Group Insurance Scheme
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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) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Y	N	Y	N
Administrative	Y	N	Y	N

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?

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

6.11 Activities and support from the Alumni Association

- The alumni association has been established to have strong linkage
- They also make generous contribution for the development of the college and students.
- An alumni meeting is conducted every year in the month of March/April.
- They regularly interact with the students to create corporate awareness.
- Guest Lecture are conducted through alumni.
- Department wise meeting is also held at least once in a year.
- Assist the college in getting placement for the current students.
- Member of various bodies/committees of the college and contribute to Curriculum revision, Program Outcome revision etc.,.

6.12 Activities and support from the Parent – Teacher Association

- Parents suggest the ways and means for the development of the college during parents meeting.
- Co-operate with the staff for the regularity and discipline of the students.

6.13 Development programmes for support staff

- Encouraged to do higher studies in our college or outside.
- Training programmes are regularly conducted to improve their skills

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

The college is lying on the lap of green and resplendent natural beauty with a variety of flora and fauna. The inmates of the college are very careful to keep the campus plastic free. Various clubs and forums are actively involved in the maintenance of ecological; balance in the campus. The initiatives that have been put in place to promote the concept of **‘reduce, reuse and recycle’** contribute to protecting the environment. The institute have the following eco-friendly scenarios. They are

- Waste Segregation
- Water Recycling
- Rainwater Harvesting
- Sewage Treatment Plan

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.

- Technical and domain clubs are introduced.
- All communication through ICT.
- Study notes uploaded
- Attendance intimation system for Parents
- Increased involvement of management members
- Seminar Classes for all years
- Redesigned website

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

IQAC planned the objectives for current year (2017-18) and its progress was monitored through action taken report monthly from all concerned persons. In its meeting these action taken reports were discussed and correction was done appropriately whenever it was required

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

Refer Annexure III

**Provide the details in annexure (annexure need to be numbered as i, ii,iii)*

7.4 Contribution to environmental awareness / protection

PEC seeks to provide an education combining the generous arts, work and service with a strong commitment to environmental responsibility and cross-cultural understanding in a setting that promotes wisdom, spiritual growth and contribution to the common good.

The environmental degradation is arrested through

- ▶ Luxuriously grown trees
- ▶ Tree Planting whenever necessary
- ▶ Conservation of energy by replacing the tube lights with CFL bulbs,
- ▶ Turning off electricity in class rooms and hostels, and other places when sunlight is naturally available in plenty
- ▶ Prohibition of movement of vehicles inside the campus
- ▶ Water harvesting
- ▶ Use of solar energy
- ▶ Hazardous waste management
- ▶ Inclusion of a course on 'Environmental Studies' in the curriculum.

7.5 Whether environmental audit was conducted? Yes No

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

SWOT

Strength

- ▶ Expanding Infrastructure with modern facilities and learning resources
- ▶ Well designed need based curriculum
- ▶ Development of research culture among the faculty and motivation for the research publications
- ▶ Impressive support services to students
- ▶ Participative Management System and eco-friendly initiatives

Weakness

- ▶ Students from rural background with low income and First Generation learners
- ▶ More Major Funded Projects to be obtained

- ▶ Research and Consultancy services to be enhanced
- ▶ Research publications with impact factor to be improved

Opportunity

- ▶ To introduce Inter Disciplinary courses
- ▶ To avail the maximum number of Funded Projects
- ▶ To develop foreign University tie-ups

Threats

- ▶ To meet the fierce competition in Higher Educational field
- ▶ Sharp rise in expenditures
- ▶ Government regulations with regard to fee structure for students

8. Plans of institution for next year

1. Take steps for NAAC Accreditation –CYCLE II.
2. Conduct more international seminars.
3. Energize the activities of all the clubs and forums in the college.
4. Equip the fitness centre with more equipment.
5. To achieve high standards in Research and Development
6. Collaboration with institution and industries to be strengthened
7. Apply for more patents

Name: **Dr. M.GOPIKRISHNAN**

Name: **Dr.RAMESH PLN**

Signature of the Coordinator, IQAC

Signature of the Chairperson, IQAC

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