



Yearly Status Report - 2016-2017

Part A

Data of the Institution

1. Name of the Institution	P S N A COLLEGE OF ENGINEERING AND TECHNOLOGY
Name of the head of the Institution	Dr .N.Mahendran
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	04512554032
Mobile no.	9443163841
Registered Email	principal@psnacet.edu.in
Alternate Email	contact@principal.edu.in
Address	Kothandaraman Nagar
City/Town	Dindigul
State/UT	Tamil Nadu
Pincode	624622

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr.P.Jaganathan, Ph.D
Phone no/Alternate Phone no.	04512554418
Mobile no.	9486949875
Registered Email	iqac@psnacet.edu.in
Alternate Email	hodmca@psnacet.edu.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://psnacet.edu.in/2016naac.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://psnacet.edu.in/psna_aca_cal2016-17.html

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.17	2017	15-Feb-2017	15-Feb-2022

6. Date of Establishment of IQAC	02-Jul-2016
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
audit	23-Nov-2016 1	50

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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Civil Engineering	Major projects	AICTE	2017 730	1346667

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

Yes

Upload latest notification of formation of IQAC

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10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

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11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

12. Significant contributions made by IQAC during the current year(maximum five bullets)

The institution established IQAC cell on 2nd July 2016. However the college has evolved its own quality assurance mechanisms at various levels of teaching-learning process with various committees. They are as follows ? Assessment committee (Course file maintenance) ? Class Committee ? Student feedback ? Programme Assessment Committee and ? Department Academic council (HoD) to monitor and for the betterment of teaching learning process

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achievements/Outcomes
(3) To improve research and development by motivating faculty members to publish articles in Scopus/SCI/WOS Journals	(3). Number of publications is increased as in Scopus/SCI/WOS Journals

(2).Propose upgradation of the college Website on or before 29.8.2016.	(2).The College Website is updated.				
(1). Preparation for NAAC Steering committee has been formed.	(1).The IQAC has prepared and submitted the SSR to NAAC.				
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14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 50%;">Name of Statutory Body</th> <th style="width: 50%;">Meeting Date</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Governing Body Meeting</td> <td style="text-align: center;">24-Feb-2017</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing Body Meeting	24-Feb-2017
Name of Statutory Body	Meeting Date				
Governing Body Meeting	24-Feb-2017				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes				
Date of Visit	01-Feb-2017				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2017				
Date of Submission	28-Jul-2017				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Ecoleaide - A 21st century Institution Management System, specially designed to automate the manual educational processes. It offers actionable insights to all the stakeholders across student performance, staff management, leave management, fee management for informed decisionmaking and proper functioning of the institution. The following activities will be carried out under Student module they are student profile creation, promotion Transfer, roll generation, Group generation, Course completion, roll and group search. Under the Staff module, the following submenus are presented they are staff profile creation and staff feedback. Under the Attendance module, the following activities will be carried out they are Attendance entry, special attendance, view attendance, pending attendance and attendance entry status. Under the</p>				

Evaluation module Series test and university mark entries are available. In the feedback menu, bulk feedback can be assigned. Under the Transportation menu, passenger details, vehicle details, Routes and trips are available. Under the Hostel module, Hostel rooms, room allocation, room vacate, movement registers are available. Under the Report menu, Student report such as student analysis report, portal login history, Student custom report can be taken. From the Staff report menu, staff custom report can be viewed. From the Attendance report, Special attendance, subject attendance, class wise attendance can be checked. Under the Evaluation report, Class progress, Evaluation custom report can be monitored. From the Feedback report, feedback results, feedback custom report can be taken.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

As an affiliated college of Anna university our curriculum of the college is provided by the Anna university Chennai. Various committees are formed during each academic year for effective curriculum planning and delivery. Before the commencement of the academic year, the core committee prepares the academic calendar, which outlines the activities. Based on the calendar, the department prepares the blueprint for execution of activities and specific tasks assigned to the faculty. The time table coordinator prepares the master timetable and the workload, subject allotment and department timetable are finalized by the head of the department. Based on the subject allotment faculty members prepare their lesson plan. To ensure the completion of the syllabus, class record is maintained by each faculty and monitored by Head of the Department on monthly basis. The Head of the Department and year in-charge of the respective year conduct a class committee meeting with the students to ascertain the coverage of syllabus, ICT tools such as Google Classroom, video Lectures are used by the faculty during classes. Apart from the regular classes, various seminars, workshops, industrial visits, study tours, and project expo are conducted by the department to enrich and expand horizons of learning experience. The campus is Wi-Fi enabled and the resources are centralized through the website for immediate access. Every year the college infrastructure is upgraded to facilitate the curricular requisites.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Revit Architecture	-	19/12/2016	7	employability	Skill development

(BIM)					
HERE community program	-	21/10/2016	6	employability	Skill development
Basic Process Instrumentation	-	13/02/2017	5	employability	Skill development
Telent Next Java Project Readiness Programme	-	21/07/2016	15	employability	Skill development
Basic Automation	-	13/02/2017	5	employability	Skill development
LABVIEW an introduction	-	13/03/2017	5	employability	Skill development
Women Entrepreneurship development programme	-	24/09/2016	7	Entrepreneurship	Skill development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nil	NIL	Nil
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
Nil	Nil	Nil

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	388	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Oracle Certified Java Programming	31/08/2016	28
D-Link- Networking	11/07/2016	38
Design and metrology - module II	08/09/2016	296
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
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BE	Electrical and Electronics Engineering	2
BE	Computer Science and Engineering	25
BTech	Information Technology	7
MBA	Master of Business Administration	240
MCA	Master of Computer Applications	128
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained
<p>The department collects the feedback on curriculum aspects and courses from different people such as the students, alumni, Faculty and Employers. Department established Academic Council in order to ensure and analyse the academic excellence at student and faculty levels. Periodical analysis is made by Academic Council from the following: student performance, faculty performance in every semester, utilization of infrastructure and requirements for quality enrichment. PSNA College of Engineering and Technology thoroughly reviews the curriculum for every academic year. The college maintains an IQAC as a quality consistence and quality enhancement measure. In supervision of IQAC, various departments and committees like Career Guidance, Anti-Ragging and Sexual Harassment Committee, etc. reinforce the curriculum by incorporating updated information and diurnal social issues. Institute collects the feedback physically from Students, Parents and Teachers on Curriculum which is prescribed by the university, further college website invites all stockholder to provide feedback through online. The college conducts annual Alumni Meet, in which suggestions and feedback is received from Alumni students. Feedback from industrial management, RD establishments and professionals is obtained through college website's feedback blog. The provided feedback data is presented to the Academic Council Meeting for necessary implementation in curriculum.</p>

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	CIVIL ENGINEERING	300	382	264
BE	MECHANICAL ENGINEERING	300	303	297

BE	ELECTRONICS AND COMMUNICATION ENGINEERING	300	523	282
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	120	227	116
BE	COMPUTER SCIENCE AND ENGINEERING	240	625	239
BTech	INFORMATION TECHNOLOGY	180	325	161
BE	BIOMEDICAL ENGINEERING	60	87	61
ME	STRUCTURAL ENGINEERING	36	39	36
ME	ENGINEERING DESIGN	18	13	6
ME	VLSI DESIGN	36	27	13
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2016	5712	644	324	73	32

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
429	429	21	136	Nil	6899

[View File of ICT Tools and resources](#)

[View File of E-resources and techniques used](#)

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Students' mentoring system in PSNACET is so active. It's a reciprocal relationship between the mentor and the student. It is also one of the successful systems, which aims at students' continuous progress. • Faculty mentors are assigned to each student all through the four years. • One mentor is assigned with 15 mentees. • Mentors communicate with the parents regarding the progress of the students. • Mentors also keep track of the mentees' performance during semesters by continuous interaction and the same is communicated to their parents regularly. • Mentor-Student meetings are conducted regularly to analyse the performance of the mentees and to understand their problems in the courses, which they study. • Mentors communicate with fellow faculty and promote mentees at the time of difficulty / opportunity to help them to develop further in their areas of interest. • Mentor monitors the attendance of their mentees and ensures that no mentee will have lack of

attendance in order to write final University examinations.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
6356	429	1:15

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
435	429	6	56	133

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2016	Dr.R.Karupathal	Professor	Project Won - Ministry of steel,Mentor - SIH
2016	Ms.N.Sasikala	Assistant Professor	Topper (5),NPTEL Online Certification
2016	Dr.R.Sivakami	Associate Professor	Elite- Top 2,NPTEL Online Certification
2016	Mrs.J.K.Jeevitha	Assistant Professor	Top 5,NPTEL Online Certification
2016	Dr.S.Pavalarajan	Professor	Top 2,NPTEL Online Certification
2016	Dr.P.S.Venkateswaran	Professor	Best faculty award given by Navaraj Educational and Charitable Trust in 2016 at Coimbatore
2016	Dr.T.Muthu Pandian	Professor	SIAA Best Non Circuit Faculty Award -2016, Chennai
2017	Dr.T.Muthu Pandian	Professor	Outstanding Educator Award - Retail management -2017 from I2OR
2017	Dr.T.Muthu Pandian	Professor	Distinguished Educator Award-Marketing Management-2017from Green ThinkerZ

2017	Dr.K.Bhagyalakshmi	Associate Professor	Best Volunteer in the Awareness programme 2016-2017 from Tamil Nadu Bio Diversity conservation and Green project
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2.5 – Evaluation Process and Reforms

2.5.1 – Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	103, 104, 105, 106, 114, 121, 205	ODD	26/10/2016	04/02/2017
BE	103, 104, 105, 106, 114, 121, 205	EVEN	24/04/2017	12/06/2017
ME	401, 405, 408, 413, 415, 419, 492	ODD	08/11/2016	04/02/2017
ME	401, 405, 408, 413, 415, 419, 492	EVEN	05/05/2017	12/06/2017
MBA	631	ODD	08/11/2016	04/02/2017
MBA	631	EVEN	05/05/2017	12/06/2017
MCA	621	ODD	15/11/2016	04/02/2017
MCA	621	EVEN	05/05/2017	12/06/2017

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institute is affiliated to Anna University, Chennai and follows the Examination pattern of the university. Anna University guidelines are strictly adhered to with respect to evaluation process. The following CIE system have been implemented at the institutional level:

- There are three Internal Tests conducted
- After each internal serial test, the test note audit will be carried out by senior faculty members and course coordinators.
- Audit report will be submitted to the head of the department.
- Based on the report, if the difference in marks is above 7 between the course teacher and the auditor, HoD is asking an explanation from the faculty member concerned and counselled.
- The reports are sent to the Principal office and then to IQAC for further analysis.
- To improve the serial test result, the students will be advised during class committee and tutor ward meetings. Series tests questions are set based on Blooms Taxonomy

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

Every semester the affiliated university prepares the curriculum design and

academic calendar. The same is published in the university website. The department prepares the academic calendar in accordance with University calendar. The tentative dates of the serial tests are fixed in accordance with the assessment schedule mentioned in the university calendar. The last dates of the theory and lab classes are also planned accordingly. Apart from the co-curricular and extra-curricular activities, the academic calendar gives the details about professional society activities, symposiums, and industrial visits, implant training, orientation programs value added courses, serial tests, guest lectures, model exams, university practical examinations, and theory examinations schedule, holidays and other important events. Class time table prepared in accordance with the academic calendar and it is displayed in department notice boards and college web site. All the activities are conducted in adherence to the academic calendar.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://psnacet.edu.in/psnapopeo.html>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
103	BE	CIVIL ENGINEERING	158	128	81.01
114	BE	MECHANICAL ENGINEERING	160	126	78.75
106	BE	ELECTRONICS AND COMMUNICATION ENGINEERING	330	255	77.27
105	BE	ELECTRICAL AND ELECTRONICS ENGINEERING	135	106	78.52
104	BE	COMPUTER SCIENCE AND ENGINEERING	228	200	87.72
205	BTech	INFORMATION TECHNOLOGY	173	142	82.08
121	BE	BIOMEDICAL ENGINEERING	59	45	76.27
413	ME	STRUCTURAL ENGINEERING	32	32	100
408	ME	ENGINEERING DESIGN	2	2	100
419	ME	VLSI DESIGN	20	20	100

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://psnacet.edu.in/feedback2016-17.php>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1095	Department of Science and Technology(DST)-Science for Equity Empowerment and Development Division(SEED)	34.68	34.68

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
AWARENESS PROGRAMME ON DIGITAL AND CASELESS ECONOMY	Civil Engineering	19/12/2017
POTENTIAL AREAS AND INNOVATIVE IDEAS ON MEDICAL DEVICE DEVELOPMENT	Electronics and Communication Engineering	05/05/2017
CAREER AWARENESS PROGRAM	Electronics and Communication Engineering	07/04/2017
IOT: COMMUNICATION TECHNOLOGIES	Electronics and Communication Engineering	27/04/2017
HARDWARE CONTEST	Electronics and Communication Engineering	31/01/2017
BIG DATA ANALYTICS	Information and Technology	27/03/2017
COLLABORATIVE RESEARCH WITH INTERNATIONAL RESEARCHERS	Information and Technology	16/02/2017
WRITING AND PUBLISHING RESEARCH PAPERS IN HIGH IMPACT FACTOR JOURNALS	Information and Technology	26/12/2016
DATA SCIENCE AND BIG DATA ANALYTICS	Information and Technology	15/10/2016
BIG DATA SCRIPTING	Information and	01/10/2016

LANGUAGES	Technology	
ENTREPRENEURSHIP AWARENESS CAMP FOR CIVIL STUDENTS	Master of Business Administration	01/09/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR MECHANICAL STUDENTS	Master of Business Administration	07/09/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR ECE STUDENTS	Master of Business Administration	15/09/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR CSE STUDENTS	Master of Business Administration	21/09/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR ECE STUDENTS	Master of Business Administration	27/09/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR EEE STUDENTS	Master of Business Administration	05/10/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR CSE STUDENTS	Master of Business Administration	17/10/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR CIVIL STUDENTS	Master of Business Administration	26/10/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR IT STUDENTS	Master of Business Administration	03/11/2016
ENTREPRENEURSHIP AWARENESS CAMP FOR ECE STUDENTS	Master of Business Administration	09/11/2016
WOMEN ENTREPRENEURSHIP DEVELOPMENT PROGRAMME	Master of Business Administration	24/09/2016
TWO WEEKS FACULTY DEVELOPMENT PROGRAMME	Master of Business Administration	07/11/2016
TECHNOLOGY BASED ENTREPRENEURSHIP DEVELOPMENT PROGRAMME	Master of Business Administration	05/12/2016
FACULTY INTERACTION ON EFFECTIVE RESEARCH QUALITY PUBLICATIONS AND FUNDING PROJECTS	Master of Computer Applications	03/10/2016

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Best paper Award	B.Priyanka, S. Saundharya, A.R.Vasumathi	Sri Ramakrishna Engineering College, Coimbatore	17/03/2017	Student

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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nil
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Civil Engineering	1
Mechanical Engineering	4
Electronics and Communication Engineering	3
Computer Science Engineering	6
Information and Technology	7
Master of Business Administration	1
Master of Computer Applications	1
Mathematics	2
English	1
Physics	1
Chemistry	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CIVIL	3	0.3
International	MECH	6	1.5
International	ECE	38	0.7
International	EEE	14	1.6
International	CSE	19	0.7
International	IT	19	0.4
International	BME	3	2.9
International	MBA	1	0.5
International	MCA	4	0.6
International	MATHS	11	0.7

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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
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BME	5
CSE	3
EEE	11
ECE	18
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Micro and mechanical behaviour of Treated Used Foundry Sand concrete	N.Gurumorthy, K.Arunachalam	Construction and Building Materials	2016	26	PSNA College of Engineering and Technology	19
Free vibration analysis of shell	Harish V.Vimala.S	SSRG International Journal of civil engineering (IJCETM-2017)	2016	0	PSNA College of Engineering and Technology	Nil
Investigation on Partial Replacement of Coarse Aggregate using E-Waste in Concrete	Balasubramanian B, Gopala Krishna GVT, Sarawathy V	International Journal of Earth Science and Engineering	2016	7	PSNA College of Engineering and Technology	2
Correlation of Aerosol Optical Depth and Spatial Rainfall Variability Patterns for the Assessment of Meteorological Drought	B. Ganeshkumar, GVT. Gopala Krishna	International Journal of Earth Sciences and Engineering	2016	0	PSNA College of Engineering and Technology	Nil
Optimization of Welding Parameters	G. Chandrasekar, C. Kailasa	TRANSACTIONS OF THE INDIAN	2017	18	PSNA College of Engineering	16

rameters, Influence of Activating Flux and Investigation on the Mechanical and Metallurgical Properties of Activated TIG Weldments of AISI 316 L Stainless Steel	nathan, Dhanesh Kant Verma K. Nandagopal	INSTITUTE OF METALS			g and Technology	
Investigation on un-peened and laser shock peened weldment of Inconel 600 fabricated by ATIG welding process	G.Chandrasekar,C.Kailasanathan,Dhanesh KantVermac	MATERIAL SCIENCE AND ENGINEERING - A	2017	19	PSNA College of Engineering and Technology	17
Multiobjective optimization of laminated composite plate with elliptical cut-out using ANN based NSGA-II	P. Emmanuel Nicholas, M. C. Lenin Babu and A. Sathya Sofia	JOURNAL OF MECHANICS OF MATERIALS AND STRUCTURES	2016	5	PSNA College of Engineering and Technology	5
Minimization of Mean Tardiness in Hybrid Flow Shop with Missing Operations Using Genetic Algorithm	M. Saravanan, S. Sridhar and N. Harikannan	JOURNAL OF ADVANCED MANUFACTURING SYSTEMS	2016	5	PSNA College of Engineering and Technology	5

Experimenting and analyzing electrical conductivity of natural fiber composites	T Amuthan, V Paramasivam	ADVANCES IN ENVIRONMENTAL BIOLOGY	2016	0	PSNA College of Engineering and Technology	Nil
INVESTIGATION OF THE SURFACE PROPERTIES OF THE HEAT TREATED ELECTROLESS NI-P COATING	S. Karthikeyan L. Vijayaraghan	The International Journal of Surface Engineering and Coatings	2016	20	PSNA College of Engineering and Technology	20

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Micro and mechanical behaviour of Treated Used Foundry Sand concrete	N.Gurumorthy, K.Arunachalam	Construction and Building Materials	2016	3	19	PSNA College of Engineering and Technology
Free vibration analysis of shell	Harish V.Vimala.S	SSRG International Journal of civil engineering (ICRTCEM-2017)	2016	3	Nil	PSNA College of Engineering and Technology
Investigation on Partial Replacement of Coarse Aggregate using E-Waste in Concrete	Balasubramanian B, Gopala Krishna GVT, Sarawathy V	International Journal of Earth Science and Engineering	2016	7	2	PSNA College of Engineering and Technology
Correlation of Aerosol	B. Ganesh Kumar, GVT.	International Journal of	2016	4	Nil	PSNA College of Engineering

Optical Depth and Spatial Rainfall Variability Patterns for the Assessment of Meteorological Drought	Gopala Krishna	Earth Sciences and Engineering				g and Technology
Optimization of Welding Parameters, Influence of Activating Flux and Investigation on the Mechanical and Metallurgical Properties of Activated TIG Weldments of AISI 316 L Stainless Steel	G. Chandrasekar, C. Kailasanathan, Dhanesh Kant Verma K. Nandagopal	TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS	2017	4	16	PSNA College of Engineering and Technology
Investigation on un-peened and laser shock peened weldment of Inconel 600 fabricated by ATIG welding process	G.Chandrasekar, C.Kailasanathan, Dhanesh KantVermac	MATERIAL SCIENCE AND ENGINEERING - A	2017	4	17	PSNA College of Engineering and Technology
Multiobjective optimization of laminated composite plate with elliptical cut-out using ANN based NSGA-	P. Emmanuel Nicholas, M. C. Lenin Babu and A. Sathya Sofia	JOURNAL OF MECHANICS OF MATERIALS AND STRUCTURES	2016	4	5	PSNA College of Engineering and Technology

II						
Minimization of Mean Tardiness in Hybrid Flow Shop with Missing Operations Using Genetic Algorithm	M. Saravanan, S. Sridhar and N. Harikannan	JOURNAL OF ADVANCED MANUFACTURING SYSTEMS	2016	4	5	PSNA College of Engineering and Technology
Experimenting and analyzing electrical conductivity of natural fiber composites	T Amuthan, V Paramasivam	ADVANCES IN ENVIRONMENTAL BIOLOGY	2016	4	Nil	PSNA College of Engineering and Technology
INVESTIGATION OF THE SURFACE PROPERTIES OF THE HEAT TREATED ELECTROLESS NI-P COATING	S. Karthikeyan L. Vijayaraghavan	The International Journal of Surface Engineering and Coatings	2016	4	20	PSNA College of Engineering and Technology
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	42	148	1	20
Presented papers	21	37	2	Nil
Resource persons	3	3	23	Nil
View File				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
First Aid Kit Distribution 2	YRC	2	100

First Aid Kit Distribution 1	YRC	2	125
ORGAN DONATION AWARENESS PROGRAM 3	NSS	5	300
ORGAN DONATION AWARENESS PROGRAM 2	RRC	5	300
ORGAN DONATION AWARENESS PROGRAM-1	YRC	3	300
Blood Donation Camp	RRC	3	350
Thaiposam festival - Free food service for PAATHA YATHRA pilgrims -volunteer service	PSNA VENUS TRUST ,DINDIGUL	2	375
Crowd control at SEENIVASAP PERUMAL temple - Vaigunda Yegadesi	PSNA - NSS	5	375
FREE EYE CAMP - for nearest villagers of the college	PSNA NSS Rotaract club and ARAVIND EYE HOSPITAL, MADURAI	3	350
BLOOD DONATION CAMP	ROTRACT CLUB NSS of PSNACET GH, Dindigul	3	450
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Blood Donor Club	Best Motivator Award	Indian / Red Cross Society Meenakshi Mission Hospital, Madurai	350
Tree Cultivation in Private Lands under Tamil Nadu Biodiversity Conservation and Greening Project	Best Volunteer in the Awareness creation programme	Governemnt of India	250
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities

Social Service	YRC	First Aid Kit Distribution 2	2	100
Social Service	YRC	First Aid Kit Distribution 1	2	125
Awarness Camp	NSS	ORGAN DONATION AWARENESS PROGRAM 3	5	300
Awarness Camp	RRC	ORGAN DONATION AWARENESS PROGRAM 2	5	300
Awarness Camp	YRC	ORGAN DONATION AWARENESS PROGRAM- 1	3	300
Blood Donation Camp	RRC	Blood Donation Camp	3	350
Social Service	PSNA VENUS TRUST ,DINDIGUL	Thaipoosam festival - Free food service for PAATHA YATHRA pilgrims -volunteer service	2	375
Social Service	PSNA - NSS	Crowd control at SEENIVASAP PERUMAL temple - Vaigunda Yegadesi	5	375
FREE EYE CAMP	PSNA NSS Rotaract club and ARAVIND EYE HOSPITAL, MADURAI	FREE EYE CAMP - for nearest villagers of the college	3	350
BLOOD DONATION CAMP	ROTRACT CLUB NSS of PSNACET GH, Dindigul	BLOOD DONATION CAMP	3	450
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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Internship	37	NIL	180
Field Trip	618	NIL	1
Collaborative Research	11	NIL	1095
Inplant Training	36	NIL	20
FDP	Mrs.M.Kasthuri	PSNACET	7
FDP	Mr.S.Jaganath	PSNACET	7

FDP	Dr .S .BHARATH	PSNACET	7
FDP	Mr .J .KUMARNATH	PSNACET	7
FDP	Mr .J .KUMARNATH	PSNACET	7
FDP	Mr .R .Bala Kumaresan	PSNACET	7
View File			

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Student Internship	Internship	M/s.iNautix Technologies Limited, Chennai	18/01/2017	18/07/2017	Poornima A
Student Internship	Internship	M/s.iNautix Technologies Limited, Chennai	18/01/2017	18/07/2017	Pandiyarajan B
Student Internship	Internship	M/s.iNautix Technologies Limited, Chennai	18/01/2017	18/07/2017	Nithya P
Student Internship	Internship	M/s.iNautix Technologies Limited, Chennai	18/01/2017	18/07/2017	Nandhini R
Student Internship	Internship	M/s.iNautix Technologies Limited, Chennai	18/01/2017	18/07/2017	Hariharan S
Student Internship	Internship	M/s.iNautix Technologies Limited, Chennai	18/01/2017	18/07/2017	Gowshikaa B
Student Internship	Internship	M/s.iNautix Technologies Limited, Chennai	18/01/2017	18/07/2017	Chandhini S ilpa S
Student Internship	Internship	M/s.iNautix	18/01/2017	18/07/2017	AngeshVais hali M

		Technologies Limited, Chennai			
Student Internship	Internship	M/s. Think Learn, Chennai	30/01/2017	30/04/2017	Ilakkiya K
Student Internship	Internship	M/s. Think Learn, Chennai	30/01/2017	30/04/2017	Kavi Theebika R
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3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
ROOTS Industries India Limited, Coimbatore	25/02/2016	Industrial visit, workshop, project, placement	36
View File			

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
666.43	668.23

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation

Smart Library (In house Software)	Fully	20	2015
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4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
	Text Books	84435	187	3360	9	87795
Reference Books	3770	41	158	1	3928	42
e-Books	2715	Nil	Nil	Nil	2715	Nil
Journals	243	4	124	2	367	6
e-Journals	5244	28	2628	16	7872	44
Digital Database	6	15	5	14	11	29
CD & Video	7366	2	251	Nil	7617	2
Library Automation	1	Nil	Nil	Nil	1	Nil
Weeding (hard & soft)	Nil	Nil	Nil	Nil	Nil	Nil
Others (specify)	5269	Nil	314	Nil	5583	Nil

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4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nil

No file uploaded.

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1361	27	27	27	1	2	13	100	0
Added	0	1	1	1	0	0	0	156	0
Total	1361	28	28	28	1	2	13	256	0

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

256 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Faculty Video lectures	https://psnacet.edu.in/videolectures.html

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
70	87.48	286	308.67

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The college ensures the availability of latest equipments, software's and up-to-date infrastructure in the institution. There is a systematic procedure for the purchase as well as maintenance of these infrastructural facilities including all sorts of equipments. First the proposal is submitted by the HODs of the respective department. It must get the approval by the principal and then quotations are invited. After the approval of the management and the committee constituted for this purpose, the required item is purchased and entered in the stock register. At the end of financial year stock verification is also done by the college office. The same process is done for repair, writing off or repurchases every year. **Laboratory:** The College has adequate number of the computers with internet connections and the utility software's distributed in different locales like office, laboratories, library, departments etc. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. Record of equipment maintenance is maintained by lab technicians, Lab In charge and supervised by HODs of the concerned departments. The calibration, repairing and maintenance of sophisticated lab equipment's are done by the technicians of related owner enterprises. **LIBRARY:** The purpose of library is to provide library services to faculty and students for updating them with the latest developments in the relevant field. It details the process of monitoring library services like Purchase of Books and Journals, Receipt of Books, Reference Books, Subscription of Periodicals, Non Book Material, New Arrivals, Issue and Return of Books/Back volumes// Non book materials, Stock Verification, Identification and Maintenance of Books, Photocopy Service and Library General Rules. Maintenance activities are made by the college management regularly to keep the library clean. Library stocks are audited once in a year. College librarian and his team maintains the book circulation among students and staffs through software. Books stock register is properly maintained and auditing of books is performed annually. Library has been established with OPAC (Online Public Accessing Catalog) facility to access and maintain the books easily in the rack. **GENERAL MAINTENANCE:** It includes maintenance of buildings, electrical equipments/facilities, Fire Extinguishers and Housekeeping. The purpose is to carry out both preventive and breakdown maintenance of infrastructure facilities. Deviation in completing of preventive maintenance is monitored once in three months. These are reviewed by Principal and suitable corrective and preventive actions are planned. **PHYSICAL EDUCATION** The Physical Education Director (PED) heads the Department of Physical Education. In addition to the PED, faculty members are also provided (Director

of Physical Education (both male and female) to assist him in planning and conducting sports and games. In order to maintain the indoor stadium, a Stadium In charge is also provided. Markers are also provided to assist the PED in the conduct of the sports and games and maintenance of the facilities. The Department of Physical Education of PSNACET provides facilities for both outdoor and indoor games for the interested students to practice as well as conduct of intramural and extramural events

<http://psnacet.edu.in/maintpolicy.html>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Sports Quota Scholarship	146	19153000
Financial Support from Other Sources			
a) National	Centre/State Govt. Scholarship	3225	49476750
b) International	Nil	Nil	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Building Information Modelling for faculty and students	11/11/2016	45	Bentley Systems (P) Ltd, Chennai
Orientation programme for 2016-2017 First year batch students like yoga, meditation, language, personal counselling.	18/08/2016	780	Vazhgavazhmadan, Pollachi.
CTS Company Specific Training	20/03/2017	90	M/s.Dmaic Academy Consultancy, Coimbatore
CAREER AWARENESS PROGRAM "CAP 2017	07/04/2017	180	2015 Batch ECE Alumni
TCS Ninja Training	23/01/2017	60	M/s.Top Freshers, Chennai
Programming in Java	18/03/2017	90	NIIT Academy, Chennai
TNSDC ICTACT Employability Skill Training in	19/09/2016	150	ICT Academy, Chennai

Technology and Soft skills			
Aptitude and Soft Skills	24/06/2016	620	Top Fresher's, Six Phrase, FACE and EduRights.
Personal Counselling	26/08/2016	8	Ms.J. Vidhya Dharini- PSNA college counsellor
Remedial coaching class for all eligible students	22/08/2016	920	PSNA Faculty
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2016	GRE, TANCE T, GATE, IELTS Training	15	90	11	752
2016	Placement Training	Nil	90	11	752
2016	Wipro PRP Training	Nil	145	11	752
2016	iNautix Company Specific Training	Nil	125	11	752
2017	ECareer Awareness Programme CAP'17	40	220	11	752
2017	TCS Ninja Training	Nil	60	11	752
2017	CTS Company Specific Training	Nil	190	11	752
2017	Department level technical training	880	880	11	752
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
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5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
93	1059	671	38	430	81
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2017	1	BE	Civil Engineering	Builders Engg College, Kangeyam	MBA
2017	1	BE	Civil Engineering	Thiagarajar College of Engineering, Madurai	ME
2017	1	BE	Civil Engineering	Thiagarajar College of Engineering, Madurai	ME
2017	1	BE	Civil Engineering	Hindustan University, Chennai	M.TECH
2017	1	BE	Civil Engineering	Kongu Engineering College, Erode	ME
2017	1	BE	Civil Engineering	Thiagarajar College of Engineering, Madurai	ME
2017	1	BE	Civil Engineering	Gandhigram University	M.TECH
2017	1	BE	Civil Engineering	PSNA College of Engineering and Technology, Dindigul	ME
2017	1	BE	Civil Engineering	CEG, Guindy	ME

2017	1	BE	Civil Engineering	CEG, Guindy	ME
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	2
GMAT	1
GRE	1
Any Other	7
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
All India Inter University-Ball Badminton	INTERUNIVERSITY LEVEL	1
Junior Nationals-Ball Badminton	NATIONAL	1
Senior Nationals-Ball Badminton	NATIONAL	1
Federation-Ball Badminton	NATIONAL	1
Anna University Interzone State Level-Ball Badminton	STATE	3
All India Inter University-Ball Badminton	INTERUNIVERSITY	14
Anna University Interzone State Level-Basket Ball	STATE	25
Anna University Interzone State Level-Chess	STATE	8
Anna University Interzone State Level-Cricket	STATE	6
Anna University Interzone State Level-Badminton	STATE	8
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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student

2017	62rd Junior Nationals(Fives)-BallBadminton Federation ofIndia-Runner	National	1	Nil	921319205080	K.PAVITHRA
2017	62rd Junior Nationals(Doubles)-BallBadminton Federation ofIndia-Runner	National	1	Nil	921319205080	K.PAVITHRA
2017	Senior Nationals-BallBadminton Federation ofIndia-Runner	National	1	Nil	921319205095	R.VANMATHY

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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

A student council is effectively functioning in our Institution to facilitate the students to have enough space without gender bias to represent their views in the college decision making bodies. Students can directly interact with the members of the council such as HOD, Principal and give their opinion and also we suggest the student members to interact with their fellow friends and ask them to present their grievances in a collective manner. The Individual student's views are also recorded in the minutes of the meeting. Before taking any final decision on important issues, the Principal, experts and the members from the management with the concern of the students give their approval. In case of facing personal issues faced by the students it is sorted out by the student counsellor Ms.J. Vidhya Dharini. Students meet her at her room and discuss their issues and have them sorted out. Further, students give their representation in the class committee which includes faculty members, students with good academic and slow learners. The class committee gives full freedom and wisdom for the students to define and plan their teaching learning process including defining evaluation procedure for the continuous assessment. In addition to that students have been given full autonomy to elect members for the association. Technical Chapters and club activities such as Rotract, Red Cross etc. We engage the students to participate in many events, programmes through CSI, Google club. Number of activities has been conducted every year to enhance various skills of the students. Students act as organizers and volunteer many programmes. In Google club (Developers student club) the students build their professional and personal networks, get access to Google developer resources, and work together to build solutions for local problems in peer to peer learning environment. And also we conduct inter college technical symposium every year. Students organize many events such as paper presentation, multimedia presentation, quizzes and non technical events. In addition to all, students play important role in hostels also in the development facilities as well as day to day activities. The student committees have been formed to

monitor mess, maintenance of hostel library, computer centre and recreation activities. The College has various academic and administrative bodies that have student representatives in them. This representation helps them for their overall development. These bodies create more avenues for the students to develop technical skill, updating knowledge on the subjects, personality development and service to society through the following Societies/Associations CSI, SAE, IEEE, ISTE, IETE, AeroClub, NSS, Rotaract club etc., Conducting Class Committee Meeting for Students about the Academic and Administrative issues at regular intervals. The members of the meeting are also asked discuss about the improvement and suggestions of the Class Committee members. The issues are addressed through proper channel and resolved by the concerned authority. Proctor system also maintains the academic and administrative activities by the Proctor. Our internal quality assurance cell will accommodate the student member in the meeting to get the view of student community in the quality related aspect and endeavours of our institutions.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

1210

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

179550

5.4.4 – Meetings/activities organized by Alumni Association :

1. . ECareer Awareness ProgrammeCAP'17 by 2015 batch on 7.4.17 at ECE dept, PSNACET.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Decentralization The overall system is effectively and efficiently decentralized for an improved governance and performance. The plan of action and foremost decisions associated to the academic administrative tasks are meticulously discussed in the Governing Council meeting. The decisions taken are executed by the Head of the institution. The college has supported decentralization and facilitative management as a form of high-quality governance. Duty bound authority is well decentralized in this system. The Principal, who is the academic head of the institution, is given adequate freedom by the management to fulfill the vision and mission of the Institution. Academic responsibilities are fairly divided among all the members of the faculty by the heads of various departments. Various committees are confined to execute the curricular, co-curricular and extracurricular activities and this ensures translucence in policy implementation. The responsibilities are corresponded to the members of the faculty through regular department meetings. The co curricular and extracurricular activities are conducted through students having a faculty in-charge. The Principal holds regular meetings with the heads of the departments. In these meetings, different issues are taken up for discussion before arriving at a final decision. The HODs monitor the functioning of the departments and they conduct regular meetings with the members of the faculty. The HODs and the members of the faculty ensure proper

implementation of the policies prepared by the Governing Council.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Library, ICT and Physical Infrastructure / Instrumentation	Library: Digitalized library facilities with National and International online journals. • Library administrations like issue / return of books are maintained through library software. The library building is enabled with Wi-fi facility. Every year, additional volumes of books are added based on the necessities from all the departments • There are adequate ICT facilities in the institution and well established policies for their deployment and maintenance. • Wi-Fi facilities and broad band internet facilities in the premises of the college and hostel are provided thereby ensuring free access to current industrial and technological trends.
Research and Development	• Research and Development (RD) All Departments except BME in the institution has been recognised as Research Centre for pursuing full time and part time PhD and M.S by Research by Anna University, Chennai. • The Research and Development Cell is established with an objective of promoting research by students and the faculty members in newly emerging and challenging areas of Engineering Technology, Science and Humanities. • RD Cell encourages the members of the faculty and students for sending research proposals and receiving funds from various research bodies. • Members of the faculty and students are motivated to publish their research papers in reputed National and International journals / conferences.
Examination and Evaluation	Examination and Evaluation • In support of theoretical courses, three internal assessment tests are conducted periodically as per the Anna University schedule. • Faculty of every course is advised to prepare question papers based on the course objectives, Course Outcomes and the university question papers. The internal semester questions are set by the course handling faculty

by following above guidelines. For each course, three different question papers are prepared by three different members of the faculty and are submitted to the HOD through the course coordinators. One question paper from the three is selected and given for internal semester examination.

Teaching and Learning

Teaching and Learning Teaching must culminate with good pass percentage, good placements, creation of start-ups and increased number of students opting for higher studies. The Outcome based education method has been followed. Participative learning as a team is encouraged through diverse methodologies like group discussions. The efficient use of technology through ICT enabled classrooms enhances the teaching learning process. The institution is conscious to the personal and academic requirements of students and ensures their physical and mental well being through mentoring and counselling services. The student's performance is evaluated through formative and summative assessments in accordance with University criterion. Continuous Internal Evaluation facilitates the student to understand his/her status and the enhancement to be made with the support of the course teacher. At the beginning of the semester, the teacher orients the student on the course outline as well as the programme outcomes and the programme specific outcomes so as to give the student the right understanding of the nature and outcome of the course. Details of PO and PSO are posted on the website. Always the college has maintained a high level of pass percentage and is one of the top ranking institutions among the colleges within the University area in terms of academic performance.

Curriculum Development

Curriculum Development PSNACET is an affiliated College, the Institution follows Anna University curriculum. Through Academic Council Committee, we discuss with Internal and External experts for enriching the curriculum. The board carefully reviews the feedback and suggestions given by the stakeholders and suggests the members of the faculty to include the required contents and value added courses in the

relevant course to strengthen the attainment of POs and PSOs.

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

E-governance area	Details
Finance and Accounts	Tally ERP
Student Admission and Support	Yes/ECOLAIDE
Examination	Yes/ECOLAIDE
Planning and Development	Yes/ECOLAIDE
Administration	Yes/ECOLAIDE

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2016	Mr. T. Suresh	Earthquake Resisting Methods and Techniques, Dr NGP Institute of Technology, Coimbatore	NIL	700
2016	Mr. M. Mohan	Challenges, Emerging Trends and Recent Initiatives in Environmentall Engineering, NIT Trichy	NIL	848
2016	Mr. B. Ganeshkumar	2 Days Workshop On Advanced surveying with Training on Total Station, Laser distance meter, Plannimeter, GPS	NIL	1170
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
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2016	National Workshop on Innovative Techniques on Asphalt Pavement	Nil	23/06/2016	23/06/2016	35	Nil
2016	One Day Workshop on Transmission Line Tower and Metal Structure Behaviour	Nil	10/06/2016	10/06/2016	45	Nil
2016	Seven days FDTP on "Power Quality"	Nil	13/06/2016	19/06/2016	25	Nil
2016	"Biomedical Equipment Training on Calibration, Repair and Maintenance" for Scholars from Ethiopia	Nil	22/08/2016	09/09/2016	19	Nil
2016	Value added course Hands-on Workshop on Critical Care Equipments	Nil	02/09/2016	03/09/2016	2	Nil
2016	One Day Workshop on Project Planning and Control	Nil	14/10/2016	14/10/2016	100	Nil
2016	DBT sponsored 3 days National Level Seminar on " Bioinformatics and Computatio	Nil	07/11/2016	09/11/2016	60	Nil

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Genomics:
Intelligen
t Tools
and
Methods to
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
IEEE-EMBS New Member programme	2	09/10/2016	09/10/2016	1
Bigdata and Scripting Languages	1	01/10/2016	01/10/2016	1
one day national level seminar on satellite launch projects	9	09/09/2016	09/09/2016	1

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nil	56	Nil	29

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Financial support for attending workshop, conferences and FDP Contribution to provident fund, Maternity leave, Vacation leave, Casual leave, Medical leave, welfare schemes for medical facilities, yoga campus and medical group insurance.	Contribution to provident fund, Maternity leave, Vacation leave, Casual leave, Medical leave, Personal accident insurance, first aid training, medical facilities, festival advance and yoga campus.	Students counselling and mentoring, Fees wavier to sports students 24 hours medical support, Well-equipped infrastructure for disabled students, Transport facility, Psychological counselling, yoga campus.

6.4 – Financial Management and Resource Mobilization

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

Internal Audit for all expenses of revenue nature are audited by the internal audit team. The Internal Auditor of the college Mr.Rathinasabathy, Trichy makes a thorough audit of the expenditures of the institute in every month. The Audit Team, headed by Mr. M. Shahabudeen works under the head office and Financial advisor of the Educational and Charitable Trust. In every end of the financial year, the external audit team is deputed by the management and the audit team audits the stock registers and all the planned expenditures of the institution.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Nil	0	Nil
No file uploaded.		

6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	IQAC TEAM MEMBERS
Administrative	No	Nil	Yes	IQAC TEAM MEMBERS

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

1. Regular meeting is conducted and effective feedback from the parent is taken based on the students needs. 2. Placement assistance will be taken from the parents. 3. In that, serial test marks, semester CGPA, attendance discipline activities were discussed. 4. The counseling was given to weaker students and were motivated them to score good marks. 5. The Students those who scored above 8.5 CGPA were encouraged to aim for university rankings.

6.5.3 – Development programmes for support staff (at least three)

Information Technology department conducted the following programmes : 1.Five day training on Intel IOT Lab 2.One day workshop on Big Data Analytics 3.Two days workshop on IBM Watson IOT Supporting staff is encouraged to pursue higher studies. Encouraging the participation for supporting staff in orientation programmes, seminars, workshops and conferences. Awareness program on health and safety is also organized.

6.5.4 – Post Accreditation initiative(s) (mention at least three)

All departments maintain the standards of NBA and NAAC and thereby retaining the accreditations. To strengthen the industry and institutional relationship the department collaborates more number of MOU'S with industries. Research Publication SCOPUS and SCI are improved. Student feedback system software had been developed. Entrepreneurship activities are motivated for self-employment. Students to be given coaching for GATE and competitive examination. Feedback mechanism from students, academic peers, administration and other stakeholders is strengthened by providing online link. Students and faculty are encouraged

to undergo online courses like NPTEL, MOOC etc. Faculties are encouraged to pursue PhD in their field and publish more research articles in journals.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2016	One Day Workshop on Transmission Line Tower and Metal Structure Behaviour	10/06/2016	10/06/2016	10/06/2016	45
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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women's Day Celebrations	08/03/2017	08/03/2017	540	60

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
10

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	10
Provision for lift	Yes	500
Ramp/Rails	Yes	3
Braille Software/facilities	No	Nil
Rest Rooms	Yes	3
Scribes for examination	No	Nil
Special skill development for differently abled students	No	Nil

Any other similar facility	Yes	10
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7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2017	1	1	19/03/2017	1	Anti-tobacco awareness	Health hazards of smoking	5
2017	1	1	02/10/2017	1	Awareness on napkin usage disposal	Awareness on napkin	60
2016	1	1	24/12/2016	1	First aid kit distribution	Distribution of First aid kit	12
2016	1	1	16/10/2016	1	Tree plantation	Awareness on tree plantation	12

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for staff	01/06/2016	Every male staff shall attend college in a neat and presentable dress with a clean shaven face Staff member should be punctual in reporting for work and also in engaging theory and laboratory classes. No member shall absent himself/herself from his/her duties without prior permission No member shall engage himself/herself in any political activity. Every teaching staff member shall strive his/her best to effectively teach the students and to monitor their performance by conducting periodical tests, assignments etc.

		No member shall engage himself/herself in any demonstration on activity which is prejudicial to the normal academic work in the college, public order and morality. No member shall be a member of any trade union or participate in any trade union activity inside college premises.
Code of Conduct for Students	01/06/2016	All students should wear neat, clean and decent dress. Students are forbidden to write any marks on the walls or desks of the class rooms. Students are not permitted to leave the college premises during working hours. Ragging, eve teasing ,quarrelling etc., spoil the peacefulness of the college .Students are ,therefore , advised against indulging in such undesirable activities which invite disciplinary action. Any articles such as calculator, books, and instruments etc., found in the college premises must be handed over with all relevant details to the Principal.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Blood Donation Camp	18/07/2016	18/07/2016	458
Independence day Celebration	15/08/2016	15/08/2016	200
Organ Donation Signup	06/09/2016	06/09/2016	3450
Republic day Celebration	26/01/2017	26/01/2017	225
Anganvadi service and visit	13/03/2017	13/03/2017	25

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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Planting tree saplings is an integral part of different programmes of the

college. • The solar panels have been installed in the college and hostel premises. • The institution has constructed rainwater harvesting tanks at various places in the campus. • Recycled water is supplied to the trees and plants. • Dried leaves are used as mulch.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1 Title: Training Placement Goals ? To enable the students to have a sound technical knowledge in their area of study ? To conduct value added programmes and career guidance programmes to the students ? To improve the programming knowledge of students ? To train and practice the students in time- bound answering of aptitude tests ? To help students excel in language and communication skills ? To prepare the students for different levels of selection process such as presentation skills, group discussions and one-to-one interviews ? To boost the confidence level of the students through soft skills training ? To inculcate the importance of projecting a smart appearance by personality development programmes ? To groom the students to the corporate level ? To ensure that all eligible students are employed at the end of the final year of their course

The Context The trend in Tamilnadu is a massive inclination towards Engineering Education in the past few years and it has not let off. The major reason for this preference is the employment opportunities in the IT, core companies and other corporate sectors that offer fresh graduates attractive pay packages. When there are 550 Engineering colleges and deemed to be universities providing professional education, an institution can find a place of repute only if it provides excellent technical knowledge and job through campus placement to the students. If not, the very survival of the institution is put under a question mark. In this context, it has become imperative for a reputed institution like ours to ensure to do the level best, that its primary stake holders are satiated with respect to their expectations. Our Management being not new to this aspect of success has had a pointed focus on training the students for campus placement from first year onwards. The institution has a dynamic placement cell with an experienced Placement Officer in charge. The placement process of the college has taken a leap towards successful placement of students.

The Practice The campus recruitment comes under the purview of the placement officer who takes care of all the activities of the placement cell. The placement officer is assisted by a team of placement coordinators drawn from each department - three faculty members and three student members. This team plans and coordinates the activities related to placement training. At the end of the third year, students are given the choice to opt for campus placement, the other choices being progression to higher studies/ aiming to be an entrepreneur. The choice of the student is endorsed by the parent / guardian in writing. This choice streamlines the student towards his/her future. The intensive placement training is offered only to those who have opted for campus recruitment. It is worth mentioning that till third year, all the students undergo the common training programs irrespective of the options they may be choosing. Such an approach to the training programs ensures that all students get quipped to employability to a certain extent. The time table incorporates the periods allotted for accommodating the placement activities. A systematic and scientific approach has been developed for effective training of the students towards campus recruitment. The following table provides the details of placement training given to the students in their four years.

Year	Activities
First Year	Training in Mathematics and General Aptitude Tests ,Enhancing language skills
Second Year	Communication skill development ,Mathematical aptitude training,Training in programming skills
Third Year	Intensive training in programming skills, Intensive training in numerical skills(Oriented towards company specific requirement)
Final Year	Intensive training for group discussion, technical and HR interview

The

institution has signed MoUs with reputed industries like Infosys, TCS and Wipro technologies etc. to have a constant touch with them. The placement cell regularly contacts the recruiting companies for campus placement. To augment the training given by the faculty of the college, resource persons of repute are brought in to enhance the skills of the students. The placement cell invites external experts and trainers from different academies to render soft skill training and general aptitude training to the students. The on-line placement tests are also conducted on a regular basis to enhance aptitude, mental ability and reasoning skills of the students. The placement cell also arranges industrial visits, in-plant training and industry projects to impart practical knowledge and industry practices among the students. The college emphasizes on the dress code of students as part of grooming the students. The students should strictly adhere to the dress code. Boys should wear formals with shirts neatly tucked in with formal belts, formal black shoes with black socks. They should not sport a beard and should have proper haircut. Girls should come with formal salwar -kameez / chudithars with neatly plaited hair, black shoes and black socks. During all the college occasions and at the time of campus recruitment the students are definitely required to wear the college blazer. The placement cell also informs the students about the placement conducted at other reputed institutions. The institution provides all the facilities for the students to attend off campus through placement coordinators. Evidence of Success All the efforts made by the institution have resulted in tremendous and a note-worthy placement record. The following bar chart picturizes the data of placement for the past four years. The numbers in placement are expected to go up in the coming years Problems Encountered and Resources Required ? The top recruiting companies that come for campus selection demand for Day 1 and it is very difficult to meet the demand. ? Companies that offer attractive packages claim priority over other companies - zero day - for campus recruitment. ? Although certain companies are willing to offer week-end internships spreading over two or three months, due to tight academic schedule, financial constraint on the part of the students, commuting distance etc., students are not able to utilize such opportunities ? Personnel with expertise in aptitude tests and in developing soft skills can permanently be employed for continuous training of the students Best Practice 2 Title: To improve the research potential of faculty members Goals ? To inculcate the culture of research among faculty ? To encourage the faculty members to do the higher study. ? To motivate the faculty members publish research articles in reputed conferences and indexed journals. ? To give impetus and assistance to faculty to apply to funding agencies like AICTE, DST and DRDO for furthering their research work. ? To identify the emerging and thrust areas of research and disseminate the information to staff ? To provide necessary infrastructure, human resources and motivation to nurture the research competencies among the faculty members. Context The repute of any engineering institution rests on teaching - learning process and R D activities. The college offers 7 UG and 9 PG degree programmes in various engineering departments. It is the responsibility of faculty members to inculcate effective learning methodology in their students to understand various engineering concepts. To accomplish this, they need to be creative and innovative in their approach to teaching / learning activities and should possess holistic idea about the subjects what they taught, which requires some level of research competencies in the teaching faculty members. Research therefore is the back bone for the development of the students, teachers and the institution. The college being conscious of this state of affairs, has been giving dynamic thrust towards developing and augmenting the research activities of the college to keep abreast of the advances in the fields of Engineering Technology. Inculcating research aptitude in faculty members has taken priority almost equal to the teaching-learning process. The outcome of research should be relevant to the societal needs and a section of the society at least should be direct beneficiaries. Therefore,

taking up research activities shapes a person with moral responsibility and a value system that enhances his/ her commitment towards fulfilling the needs of the society. The Practice The institute motivates all faculty members to pursue Ph.D.All departments are approved as Research centres of Anna University for pursuing M.S and Ph.D programmes. The institution inspires the faculty members to publish the research papers, attending national/ International conferences and to carry out consultancy work. The faculty members are encouraged by providing special casual leave, registration fee and TA/DA to attend seminar, workshops, FDP and conferences to enhance their research knowledge. MoUs have been signed between the institution and various industries to carry out the research and consultancy activities. External experts from bodies like DST and DRDO are invited to address the faculty to give assistance in preparing a project report to be submitted for funding. Eminent researchers are invited to campus for delivering lectures during National and International seminars/ workshops/ conferences organized by the various departments in the college to boost the knowledge level of the faculty and the students. Evidence of Success The number of Ph.D. degree holder in the institution has been increased considerably. The results of above said practice increase the number of papers published by

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://psnacet.edu.in/bestpractices16-17.pdf>

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

The transformation from traditional teaching methods such as blackboard, textbooks, etc. to computer-aided presentations has been innovative. Such Innovative teaching methods have improved the learning process and strengthened governance. With the rapid rise in digital technology, there are further advanced teaching techniques available. And so, it is time to change the traditional method of teaching that has ruled classrooms for many decades. New methods are designed to improve the quality of education along with student's involvement in the educational process. The institution took all the measures to achieve and use innovative teaching methods for the better understanding concepts by the students. The faculty members of the college are well qualified and trained to use the latest teaching methodologies. It has been found that the use of educational videos during class has improved the engagement levels of students and thus has created a greatly enhanced learning experience. Relevant videos keep students more alert, motivated and focused on the specific topic in hand. Visual content can enhance memory knowledge and students' ability to retain new information. This facilitates active learning. Several studies have linked the use of video during lectures with attendance, participation and retention of knowledge and information. Innovative practices in pedagogy are added to assure and enhance our academic quality. The use of modern multimedia teaching aids like OHP, LCD projectors, internet enabled computer systems are usually employed in classroom instructions as well as in other students learning activities. All the classrooms in each department are well equipped with LCD projectors and Wi-Fi and portable equipments like laptops, OHPs. Every year, training program is organized for teaching faculty at junior level. Computer assisted learning is available in different computer labs attached to individual departments. Each department also conducts one-day seminar or workshop as per the requirements of the new developments in the subjects. The institute has subscribed for online databases which include journals and transaction papers from IEEE, ASME, etc. One of the teaching staff members is in charge of the department library. ICT infrastructure with

multimedia facilities is available in the departmental libraries. The video lectures of senior faculty members and previous year question papers for different subjects are made available in the college library web page. The theoretical concepts are more clearly explained to the students by taking them to corresponding laboratories and arranging industrial visits. Every department has industry collaborated laboratories where the students are taught with value added courses. The faculty members are regularly doing NPTEL courses to have wide knowledge on various subjects.

Provide the weblink of the institution

<http://psnacet.edu.in/institutionaldistinctiveness16-17.pdf>

8.Future Plans of Actions for Next Academic Year

? IQAC proposes the External audit of NAAC preparedness by all the departments by the external expert. ? IQAC has proposed to release the hand book of Flora and Fauna of our institution ? Proposed to conduct of add-on courses like C Programming, Soft Computing, and Spoken English to acquire additional knowledge. ? Proposed to conduct internal audit for evaluation to all the departments after each serial test. ? FPADS system after consultation with expert teams needs to be implemented. ? IQAC proposes the "PSNA Centre for Faculty Training and Development" for the improvement of teaching learning process. ? Establishing center of excellence in each department. ? MoU with foreign universities. ? Participation in Smart India hackathon