Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**P.A.COLLEGE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Dr.T.MANIGANDAN**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04259221386**
Mobile no.	**9443584648**
Registered Email	**pacollege@yahoo.com**
Alternate Email	**iqacpacet@gmail.com**
Address	**Palladam Road, Puliiyampatti, Pollachi 642002.**
City/Town	**Coimbatore**
State/UT	**Tamil Nadu**
Pincode	**642002**

2. Institutional Status	
Autonomous Status (Provide date of Conformant of Autonomous Status)	**05-Apr-2019**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.V.PARIMALA**
Phone no/Alternate Phone no.	**04259221387**
Mobile no.	**9965469345**
Registered Email	**iqacpacet@gmail.com**
Alternate Email	**manigandan_t@yahoo.com**

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	**http://www.pacolleges.org/images/IQAC/AQAR_2017-18.pdf**

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.pacolleges.org/images/IQAC/AcademicCalender.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**A**	**3.03**	**2016**	**16-Sep-2016**	**15-Sep-2021**

6. Date of Establishment of IQAC	**17-Jun-2015**

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

Conduct of periodical IQAC Internal Meeting	04-Jul-2018 01	20
Conduct of periodical IQAC Internal Meeting	05-Oct-2018 01	20
Conduct of periodical IQAC Internal Meeting	09-Jan-2019 01	20
Conduct of periodical IQAC Internal Meeting	10-Apr-2019 01	20
Conducted the NAAC Approved Two day National Seminar on Innovative Strategies to Enhance Teaching Learning	27-Dec-2018 02	38
Conducted of ISO 9001:2015 Certification Audit and Obtained the same.	19-Dec-2018 02	20

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8. Provide the list of Special Status conferred 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
No Data Entered/Not Applicable!!!				
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**4**
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	[View File](#)
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)

- Obtained ISO 9001:2015 Certification • Attained Autonomous status for the institution • Conducted NAAC Approved two day National Level Seminar on

"Innovative Strategies to Enhance Teaching Learning Process" on 27.12.2018 and 28.12.2008. • Consolidation and submission of AQAR 20172018. • Conduct of regular IQAC Internal meeting

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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	Achivements/Outcomes
To Apply for the Autonomous Status of the Institution	Attained Autonomous Status for 10 years for all 4 years of students of study in the present batch.
To Apply for the ISO 9001:2015 Certification.	Obtained ISO 9001:2015 Certification during the month February 2019.
To conduct national level seminars/conferences/workshops by all departments.	Programmes have been conducted by all the departments
To apply for funds to organize Seminar / Workshops/Conference	Grants received Rs.7.45Lakhs from various funding agencies
To organize quality enhancement programmes to students, teachers and administrative staff.	Programmes have been conducted
Publish papers in Quality journals	50 papers were published in various journals
IQAC Internal Academic Audit	4
To improve Patent filing.	1 Patent has been filed during this academic year
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Management	25-Sep-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2018**

Date of Submission	**27-Dec-2018**

17. Does the Institution have Management Information System ?	Yes
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	The P.A. College of Engineering and Technology have Management Information System, aims to facilitates the excellence in teaching and research by providing software and technology resources to Institution. The College collects the general and Professional details of faculty members members and students in a Database System. The main purpose is to give the information to the concern authorities whenever required. List of Modules: 1. Students Database 2. Attendance 3. Marks Management 4. Hostel Students Database : Students Database contains the detailed information of every student like Reg. Number, Name, Address, Parents Information, Blood group, contact information, etc. Attendance : Mark Management : Internal Assessment Marks, cycle test marks, Model Examination marks can easily be managed through this module. Reports can be taken subsequently for all the mentioned assessments.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
No Data Entered/Not Applicable !!!			
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
No Data Entered/Not Applicable !!!				
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the

College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	CSE, ECE, EEE, MECHANICAL AND CIVIL	18/06/2018

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
Advanced total station survey	19/12/2018	60
Cisco Networking Course	07/08/2018	13
Programming on Arduino	05/09/2018	16
Advanced EDA tools	02/08/2018	18
Android App Development	29/08/2019	72
Embedded and Robotics	14/09/2018	27
Arduino Programming	12/02/2019	46
Embedded Systems	07/01/2019	19
Solid Works – Mechanical Design	12/09/2018	24
NonDestructive Testing (Level II)	20/08/2018	26
3D Modelling with rapid prototyping	24/07/2018	41
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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
BE	CIVIL ENGINEERING	2
BE	COMPUTER SCIENCE AND ENGINEERING	13
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	3
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	3
BE	MECHANICAL ENGINEERING	2
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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
The feedback is obtained from Students, Teachers, Employers, Alumni and Parents. The feedback from the students is obtained from a centralized feedback system. The teachers, Employers, Alumni and Parents feedback is obtained from meeting, course committee meeting, Alumni meeting and Parents meeting for twice in a year/once in year.

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	COMPUTER SCIENCE AND ENGINEERING	120	123	70
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	120	94	57
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	60	38	22
BE	CIVIL ENGINEERING	60	20	13
BE	MECHANICAL ENGINEERING	120	78	46
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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
2018	1414	13	94	12	106

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	Numberof smart classrooms	E-resources and techniques used
106	106	7	45	7	2
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2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Student mentoring system is available in our institution based on academic, personal and career. Every class has one Faculty member advisor and counselors are identified and the students are counseled in the counseling hour. Regular class committee meetings are conducted to identify difficulties in class room activities. Weak students are identified and special Counseling is offered to improve their performance. For every 20 students a faculty member advisor is associated in house caretaker. In case of any irregularity, either in attendance/academic performance or in general behavior, the particular student is counseled by faculty advisor and the Head of the Department. All girl students are counseled by female faculty members. A faculty advisor is appointed for each section who maintains the daily attendance and academic progress of all the students. Faculty advisor and HOD are reporting the progress to the Principal regularly. Career counseling guidance is offered by the external and Internal experts through HR Conclave and Industry connect. HR personnel are invited to interact with students.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1427	106	1:13

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
106	105	1	1	24

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
2019	Mr.C.R.Arul Praksam	Associate Professor	Best Faculty award Given by P.A.C.E.T
2019	Dr. D. Chitra	Professor	Reviewer Scientific Research Publishing Journal
2019	Dr.S.Suresh	Associate Professor	Reviewer Journal of Computational and Theoretical Nanoscience, Reviewer IEEE Access
2019	Ms.N.K. Priyadarshini	Assistant Professor	Best Faculty award Given by P.A.C.E.T
2018	Dr. D. Saravana Priya	Assistant Professor	Perasiriya Rathna Viruthu 2018
2019	Dr.V.Parimala	Assistant Professor	Elevated as IEEE Senior member,Best Faculty award Given by P.A.C.E.T
2019	Dr. D. Ganeshkumar	Professor	NPTEL Certificate of Appreciation , Instrumental role

2019	Mr.S.Senthzamilrasu	Assistant Professor	Best Faculty award Given by P.A.C.E.T
2019	Mr. N. Manikandan	Assistant Professor	Best Faculty award Given by P.A.C.E.T
2019	Dr.G.Kottur	Associate Professor	Best Faculty award Given by P.A.C.E.T
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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	103,102,105,106,114	odd semester/201819	12/10/2018	13/01/2019
BE	102,103,105,106,114	Even/2019	21/03/2019	23/06/2019
		[View File](#)		

2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nill	Nill	0

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://www.pacolleges.org/images/IQAC/EEE_PACET.pdf

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	70	40	57.14
102	BE	COMPUTER SCIENCE AND ENGINEERING	95	88	92.63
201	ME	COMPUTER SCIENCE AND ENGINEERING	3	3	100

105	BE	ELECTRICAL AND ELECTRONICS ENGINEERING	54	37	68.52
106	BE	ELECTRONICS AND COMMUNICATION ENGINEERING	114	68	60
114	BE	MECHANICAL ENGINEERING	136	103	75.53
202	ME	POWER ELECTRONICS AND DRIVES	2	2	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://www.pacolleges.org/images/IQAC/SSS-PACET.pdf

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
No Data Entered/Not Applicable !!!				
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3.2 – Resource Mobilization for Research

3.2.1 – 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
No Data Entered/Not Applicable !!!				
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

1

3.3 – Innovation Ecosystem

3.3.1 – 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

Design and Fabrication of PCB	ELECTRICAL AND ELECTRONICS ENGINEERING	13/08/2018
We are Creators	ELECTRONICS AND COMMUNICATION ENGINEERING	20/08/2018
Little Drops make Mighty Ocean	ELECTRONICS AND COMMUNICATION ENGINEERING	21/08/2018
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3.3.2 – 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
Experimental study on light weight brick with slurry sand	Deepak.V, Hariharan.S, Karthik.B, Sathish Kumar.K	CEBACA, Coimbatore	24/04/2019	PROJECT
Ambassador in IEEE Xtreme	K.Dhenesh	IEEE	20/10/2018	STUDENT
CAV Dr.GKD Memorial Award	Sundar Raju.S.R	The Institutions of Engineers	19/08/2018	STUDENT
Two Wheeler License Automation System – Project has been	Athira B Monisharani. B Janani. D. K Nandhini. S Nandhinie. S Vinitha. N	Smart India Hackathon 18 – Hardware Edition" Organized by AICTE MHRD, Government of India at Indian Institute of Science, Bengaluru.	22/06/2018	HARDWARE EDITION
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3.3.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science and Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CIVIL ENGINEERING	15	3.5
International	COMPUTER SCIENCE AND ENGINEERING	14	1.53

International	ELECTRICAL AND ELECTRONICS ENGINEERING	5	2.0
International	ELECTRONICS AND COMMINICATION ENGINEERING	16	2.0
International	MECHANICAL ENGINEERING	19	1.4
National	SCIENCE AND HUMANITIES	3	1.0

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

Department	Number of Publication
CIVIL ENGINEERING	4
COMPUTER SCIENCE AND ENGINEERING	4
ELECTRICAL AND ELECTRONICS ENGINEERING	5
ELECTRONICS AND COMMUNICATION ENGINEERING	25
MECHANICAL ENGINEERING	3

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
A Double Picks Insertion Loom	Filed	2018410033	12/06/2018

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3.4.5 – 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
An expert system for distribution system reconfiguration through fuzzy logic and flower pollination algorithm	Mr.P.Mariaraja Dr.T.Manigandan Dr.S.Tiruvenkadam	SAGE Journal	2018	1	YES	1

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3.4.6 – 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
An expert system for distribution system reconfiguration through fuzzy logic and flower pollination algorithm	Mr.P.Mariaraja Dr. T.Manigandan Dr.S.Tiruvenkadam	Measurement and Control, Vol. 51, No. 910, pp. 371–382, 2018	2018	1	1	YES
High Speed Multiplier Design Using Kogge Stone Adder	Dr.D.Ganeshkumar	International Journal of Recent Technology and Engineering	2019	1	1	YES

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3.4.7 – Faculty participation in Seminars/Conferences and Symposia during the year

Number of Faculty	International	National	State	Local
No Data Entered/Not Applicable !!!				

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
INDUSTRIES	ELECTRICAL, MECHANICAL, COMPUTER SCIENCE, ECE AND CIVIL	CONSULTING	200000

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
No Data Entered/Not Applicable !!!				
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3.6 – Extension Activities

3.6.1 – 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
International Yoga Day	PACET	3	100
Voters Awareness Rally	PACET	2	100
NSS Day Celebration	PACET	2	55
PreRD Camp	PACET	1	4
Blood Camp	PACET	3	98
Seminar on YUVA Bharat	PACET	4	25
Youth Day Celebration	PACET	2	40
Voters Day Rally	PACET	2	40
AIDS Awareness	PACET	2	50
Food Safety Awareness	PACET	6	85
NSS Special Camp at Thoppampatti	PACET	2	50
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3.6.2 – 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
National Service Scheme	NSS National Award	Government of India	1
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3.6.3 – 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 activites	Number of students participated in such activites
National Service Scheme	PACET	Voters Day Rally	2	40
National Service Scheme	PACET	AIDS Awareness	2	50
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Project work	Design Of Internet Of Things	BSNL	73

		Approaches For Security Surveillance For Industrial Process Monitoring System Using RASPBERRY -PI				
		View File				

3.7.2 – 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
Industrial Vist	Industrial Vist	Pramur Con structions Pvt. Ltd. Mysore	21/09/2018	22/09/2018	38
Internship	PROJECT WORK	HEXAWARE	18/12/2018	21/12/2018	01
Internship	PROJECT WORK	ZOHO	02/01/2019	21/03/2019	02
Internship	PROJECT WORK	PAYPAL	18/12/2018	21/12/2018	01
Internship	PROJECT WORK	INDIUM S/W	02/02/2019	21/03/2019	09
Internship	PROJECT WORK	Worksbot Application	02/02/2019	21/03/2019	02
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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Builders Association of India, Coimbatore	09/08/2018	Internship, Job training	142
Max CADD, Coimbatore 641012	13/07/2018	Internship training, Value Added Course, Workshop	46
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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

747000	700000

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
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	Newly Added
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 patially)	Version	Year of automation
AutoLib	Fully	5.1	2008

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	20646	5248282	1761	528300	22407	5776582
Reference Books	1249	600700	30	11500	1279	612200
Journals	90	257550	14	42000	104	299550
e-Journals	2	31500	1	750000	3	781500
CD & Video	1164	52100	21	900	1185	53000
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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
No Data Entered/Not Applicable !!!			
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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	853	20	100	1	1	6	12	100	0
Added	0	0	0	0	0	0	0	0	0
Total	853	20	100	1	1	6	12	100	0

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

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100 MBPS/ GBPS

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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
No Data Entered/Not Applicable !!!	

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 incurredon maintenance of physical facilites
300000	150000	400000	300000

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)

Laboratory Facilities: COMMUNICATION AND SOFT SKILL LABORATORY: Objectives • To enable learners to, develop their communicative competence in English with specific reference to speaking and listening. • Enhance their ability to communicate effectively in interviews. • Strengthen their prospects of success in competitive examinations. • To impart the nuances of advanced English language skills in Listening, Speaking, Reading and Writing. • To train students to acquire soft skills and competency in communication skills. • To provide opportunities to learners to practice their communicative skills to make them become proficient users of English. • To enable learners to finetune their linguistic skills (LSRW) with the help of technology to communicate globally. • To enhance the performance of learners at placement interviews and group discussions and other recruitment procedures. • To impart the nuances of advanced English language skills in Listening, Speaking, Reading and Writing. • To train students to acquire soft skills and competency in communication skills. Salient Features of the Lab • Globarena Software for English language practice • Digital Hometheatre speaker systems Roof • Speakers with studio • Master and woofer. • Head phone for each student. • Networking of all systems with Teachers Console system. – • Monitoring and supervising the lab practical's by the lecturers in English. Library Facilities: The library transactions are carried out by Bar code Technology. It has the facility of Web OPAC online search. So the library catalogue can be accessed through internet. The library is being subscribed to the Eresources. The library functions from 8:00 A.M. to 8:00 P.M. on all working days Sports facilities: • The college

provides varied extracurricular activities in Sports for training the students in Physical Education Gymnasium for both hostlers and dayscholars. • The college offers free admission for the students to practice sports and athletics in the nonworking days. • We offer regular and standard coaching for the students through qualified Physical Director qualified Physical Trainee team of faculties. Computers • Computer centres with required software, hardware and internet connectivity at 100Mbps speed. • 853 computer systems including 5 servers. • 66 printers are available (Laser – 18DMP – 48). • Oracle server. • Rational rose enterprise suite server. • FTP server. • TELNET server. • DHCP server. • Provided system with internet facility is provided to faculty members members for effective teaching and quality research. • Web portal, digital library with eresources. Class Room Facilities Technology needs to be integrated into teaching and learning process and the Institution has done the best to ensure it in these well equipped classrooms. Technology has been deployed for better studentteacher interaction, productivity and communication. It makes teaching and learning simpler and enjoyable. Lecture Halls Tutorial Rooms Smart Class Room Seminar Hall Conference Hall Teaching Aids : White Board, Over Head Projector(OHP) , LCD Projector and Display Charts.

http://www.pacolleges.org/images/IQAC/Procedures_PACET.pdf

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
No Data Entered/Not Applicable !!!			
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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 implemetation	Number of students enrolled	Agencies involved
Entrepreneurship awareness camp	01/08/2018	13	DSTNIMAT Project
Recent trends of IT Industry	16/07/2018	220	PACET
Skill up for software testing	07/08/2018	220	GUEST LECTURE
Evolution of Mobile computing	09/08/2018	220	GUEST LECTURE
Seminar on Cyber Security	17/08/2018	220	GUEST LECTURE
Java Collections and its use	09/02/2019	74	ALUMNIALIMNI
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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	Number of students who have passedin the comp. exam	Number of studentsp placed

| 2019 | Seminar – Career Opportunities through GATE and Government Examination | 40 | 74 | 2 | 10 |

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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
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
28	432	339	22	432	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	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	CIVIL	Dr.Mahalingam College of Engineering and Technology ME	ME
2019	1	BE	CIVIL	Coimbatore institute of Technology	ME
2019	1	BE	ECE	Amrita Vishwa Vidyapeetham	MBA
2019	1	BE	EEE	Dr.Mahalingam College of Engineering and Technology	ME
2019	1	BE	EEE	Coimbatore institute of Technology	ME

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
Any Other	4

5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
For Sports Anna University Zone10, Intercollegiate Ball Badminton (Women) tournament for the year 201819.	Zonal (Intercollegiate)	50
For Cultural Activities PAchamithra'19	NATIONAL	70

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
2018	Gold Medal Gold Medal Gold Medal Gold Medal Gold Medal	National	6	3	72171511 4033 72171 5103024 72 1715104090 7217161040 13 7217161 04014 7217 17103030	Jerin Ahino. R K aruppaiya. S Vivega. B Gayathiri. S Greeshma. G.P Suba. P

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

Yes, each department has a Student's Association for which Secretary, Joint Secretary and office bearers are elected from fourth year, third year and second year respectively. A system of class representatives (a boy and a girl) is working fine for handling issues related with student needs. Additionally, the institute has a number of students committees formed for particular purpose/ events from time to time over academic year. They are: • Antiragging committee. • Hostel mess committee. • Cultural events • Sports games. • Discipline committee. • Placement coordinators Also, the college has the professional affiliation members like ISTE, IEEE, CSI, IETE and SAE The formation and composition of the above students committees is need based and generally, each committee consists of about five to ten students from senior batches, having good organizational / managerial capabilities to assist in

smooth conduct of various events / functions. • Organize different cultural, sports and technical symposium throughout the year • Maintain healthy relations between teaching, nonteaching staffs and students • Take care of the academic interest of the students • Publish annual magazine and wall magazines in due courses • To assist in conducting all the academic tours and field works throughout the year

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Yes • Maintaining database of the alumni of the institution. • Organizing periodic meeting for alumni through alumni cell. • The alumni, assists the Institution by providing information to the Training and Placement Cell about job openings in companies and additional needs for students development • The alumni deliver talks on current industry trends.

5.4.2 – No. of registered Alumni:

375

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

500

5.4.4 – Meetings/activities organized by Alumni Association :

26

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)

1.Internal Exams The internal exams were conducted on the decentralization basis. The coaching class before the commencement of the exams depends on the subject they are studying either theoretical an Analytical. 2. Value added courses of each Departments: 3.The various Activities were conducted for the students are based on their interest. The departments can conduct their own programs depending on the requirement of the students' Seminars, workshops and Conference are based on the topics needed by the students.

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

Partial

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
Curriculum Development	The Institution is affiliated to Anna University, Chennai Curriculum development is not within the purview of our institution. Apart from curriculum the various value added programs were conducted.
Teaching and Learning	? The course plan for every subject is planned before the start of every semester. ? Preparation of lecture notes and question bank. ? Using of

	ICTs and NPTEL videos for handling class in effective manner. ? Incorporating counselling, tutorials, seminars and library periods in time table. ? Conducting remedial classes for slow learners. ? Organizing industrial visit ? Encouraging students to attend inplant training programmes/Activities. ? Encouraging Major/Mini project works. ? Encouraging students to attend seminars, workshops and conferences. • The effectiveness of teaching – learning process is reviewed on regular basis • Innovative methods of teaching and learning methods are adopted it includes • ejournal, NPTEL lectures to enhance the teaching learning process. • ICT enabled methods are opted.
Examination and Evaluation	• As an affiliated college, the end semester examinations are conducted and evaluated by Anna University. • PACET organizes three internal assessment tests for every semester for better academic performances.
Research and Development	• The PACET has the Anna University recognized research centre to conduct PhD programmes. • Research and Consultancy Cell has been framed to guide research activities. • The Faculty members are financially supported to attend seminars, conferences, workshops, invited lectures, FDP's and research activities. • The institution motivates the faculty members and students to publish patents • Journals, reference books, internet, research lab facilities are made available to both faculty members and students. • PACET provides 14 days on duty per academic year for faculties to pursue their higher studies. • Faculty members and student interaction with the industry peoples has been arranged. • MOUs have been signed. • Encouraging faculty members to submit technical papers in reputed journals and also encouraging to submission of proposals to various funding agencies at state level, national level and international level. • Ensuring minimum five proposals from each department are submitted to various funding agencies every month. • The students are also motivated to submit their projects to TNSCST, ICTACT and other funding agencies.

Library, ICT and Physical Infrastructure / Instrumentation	Library The Library takes predominant role in supporting the academic activities of the institution by establishing, maintaining and promoting the following library and information services, both quantitatively and qualitatively. • Fully computerized barcoded circulation services • Online Public Access Catalogue (OPAC) in the library to search for books and other academic materials of the library such as CDs, research articles etc. • Onsite use to Textbooks, Reference books Back volumes and Print/Online journals inside the library • Reference Services (Encyclopaedias, Dictionaries Yearbooks, Handbooks, research articles and Previous year question papers) • Accessing full text of international journals • DELNET(Developing Library Network) Service • Reprography(Xerox, Scanner and Printout) • CD DVD Access Writing facilities • Open Access System • Barcoded User Entry System • Internet Access facility Physical Infrastructure / Instrumentation • Computer centres with required software, hardware and internet connectivity at 100Mbps speed. • 853 computer systems including 5 servers • 66 printers are available (Laser – 18DMP – 48). • Dedicated computing facility 859 • Oracle server. • Rational rose enterprise suite server. • FTP server. • TELNET server. • DHCP server. • Provided system with internet facility is provided to faculty members members for effective teaching and quality research. • Web portal, digital library with eresources.
Human Resource Management	• Various welfare schemes are provided for the benefit of teaching and nonteaching staff members in the institution. • Sabbatical leave, Vacation leave, medical leave, maternity leave, earn leave, PF for all faculty members and staff members. • Free transport for nonteaching staff members and subsidized rate for teaching staff. • Faculty members who handle value added courses are benefitted with remuneration. • All the teaching and nonteaching members are covered under accidental insurance which is made mandatory in the institution. • Almost all the eligible faculty members have availed the above benefits.

Industry Interaction / Collaboration	• Among students to make innovative projects. • Consultancy services are provided by the industry experts. • Signing of MoUs and accreditation by industries • Students are permitted to do their project work in industries. • Faculty members those who attended training in industries will share their knowledge and experience with the other members of the department. • Industry Institute Partnership cell has been created to connect the students and faculty members with industry, • Students are permitted for Industrial visit and to undergo inplant training programmes and internship training programmes in industries. Internships training programme provide work experience opportunities to the students
Admission of Students	The College ensures transparency in the admission process by strictly adhering to the guidelines issued by AICTE, Govt. of Tamil Nadu , Directorate of Technical Education and Anna University. U.G. PROGRAMMES • Anna University admits 65 of the students under "Single Window System" selected through Tamil Nadu Engineering Admissions (TNEA) and the remaining 35 of admissions are under Management Quota through Association of Management of Anna University affiliated SelfFinancing Engineering Colleges in Tamil Nadu. • About 20 of the sanctioned intake is admitted under lateral entry as per AICTE norms during the second year. P.G. PROGRAMMES • Candidates must have passed an appropriate Under Graduate Degree examination of Anna University as prescribed under Tamil Nadu Common Admission (TANCA) criteria. • Candidates are admitted through Tamil Nadu Common Entrance Test (TANCET) conducted by Anna University and also through Common Entrance Test (CET). RESEARCH PROGRAMMES • Research scholar selection for full time or part time is done by Anna University through the Common Entrance Test and interview.

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

E-governace area	Details
Administration	Implementation of egovernance in areas of operation such as the Planning and Development, Administration,

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
2018	DR.S.SURESH	One Day Workshop on "esim, a first course in the IoT series for Teachers"	IIT Bombay Remote Center IIT Bombay Remote Center	3016
2018	Mr. D. Ram Nivas	Student psychology and prevention of suicide	MHRD NITTTR	4000
2019	Mr. R. Karthik	Nano computing in cognitive radio networks	CSIR Sponsored Two day National level seminar	500
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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)
2019	AWARENESS ON ENERGY AUDIT	ENERGY AUDIT	21/08/2018	21/08/2018	30	10
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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
NPTEL – IIT Madras – Online course	4	02/01/2019	30/03/2019	88
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
106	104	29	29

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Provident Fund Insurance	Provident Fund Insurance	Family Insurance

6.4 – Financial Management and Resource Mobilization

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

Internal financial Audit is done by the Financial Committee and Governing Council Body. External financial Audit is done the professional experts nominated.

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
REVENUE GENERATED THROUGH CONSULTY	200000	CONSULTANCY

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6.4.3 – Total corpus fund generated

150000

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	Yes	TUV Nord	Yes	IQAC
Administrative	Yes	TUV Nord	Yes	IQAC

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

1. Institution conducts parents meeting periodically. 2. For odd and even semester, conducted a meeting with Parents to enhance the level of students both curriculum and cocurriculur aspects, placement trainings and university results. 3. Institution communicates the marks obtained in the internal examination and in the Anna university examinations to their parents periodically.

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

1. Allowed to pursue the higher studies 2. They are sponsored for training wherever necessary 3. Increments are given for obtaining higher studies

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

1.An actiontakenreport has been prepared based on the comments/remarks given the NAAC members 2.Training programme was conducted for the IQAC Department coordinators 3. Got ISO 9001:2015 Certification for 3 years.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	**Yes**
b)Participation in NIRF	**Yes**
c)ISO certification	**Yes**
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
2018	**NAAC sponsored Seminar on Innovative Strategies to Enhance Teaching Learning Process**	**27/12/2018**	**27/12/2018**	**28/12/2018**	**35**
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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
No Data Entered/Not Applicable !!!				

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
• 20 kW Solar Panels is installed in the administrative block and a solar street lights are also is installed near the college entrance. • Energy Conservation Club of the College identifies and proposes various energy conservation measures like TURN ON the lights and fans in the classrooms after the commencement of class hours, TURN OFF the lights in the corridors and toilets when not Required. • Power factor is maintained as per EB norms. • Energy saving CFL, LED and Solar lights has been installed in the campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	**Yes**	**10**
Provision for lift	**Yes**	**2**
Rest Rooms	**Yes**	**2**

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational	Number of initiatives taken to engage with	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff

advantages and disadvantages	and contribute to local community						
2019	1	1	25/01/2019	01	Vote Awarness	Discussed about the Voting	100

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
HANDBOOK	18/06/2018	The handbook includes the roles and responsibilities of the students, their dress code and leave regulations. The general instructions are also given for a student which includes the Antiragging and action taken for the consumption of Alcohol, Tobacco and Drugs. The Code of Ethics an Engineer has to follow, Academic Calendar and Timetable template is also included

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2018	21/06/2018	100
Voters Awareness Rally	25/01/2019	25/01/2019	100
Youth Day Celebration	12/01/2019	12/01/2019	40
AIDS Awareness	01/12/2018	01/12/2018	50
Food Safety Awareness	15/03/2019	15/03/2019	120

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

• Energy Conservation Club of the College identifies and proposes various energy conservation measures like switching off the lights and fans in the classrooms after the class hours, switchoff the lights in the corridors and toilets when not in use. • In campus, usages of plastic bags are restricted. • All the buildings in the campus are provided with rain water harvesting facility, in order to increase the water table, as a part of conservation and preservation of water resource. • Centralized sectionwise UPS systems for computers and equipment. • Usage of electronic chokes in all tube lights • Energy saving CFL and LED lights have been installed in the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices 1 1. Title of Practice: Value added course 2. Goals: • To provide student understanding of the expectations of industry needs. • To improve employability skills for students of PACET. • To bridge the skill gaps and make students industry ready. • To provide an opportunity to students to develop interdisciplinary skills • To facilitate students get certifications from renowned industrial authorities and other bodies. 3. The Practice: • We conduct the session with lecturing and handson practice day by day that helps the students to create their final year project. • Value added courses are conducted to students which help them to improve skills to design/develop products. • Eminent resource persons are invited from external organizations. Faculties are also encouraged to go for certifications and thereby support to conduct the training sessions. • Handson training sessions are encouraged accompanying theory classes to give practical knowledge for the students. Best Practices – 2 1. Title of Practice: Remedial Classes 2. Goals: • The main aim is give awareness to students to see the learning required and where needed support is extended by faculty for every subject. • A register is maintained to ensure all slow learners attend improvement classes regularly conducted after regular class hours. • Evaluation is done for such students in the next periodical assessment tests. • From evaluation process by periodic tests conducted slow learners and poor scorers are identified for each and every class. 3. The Practice: • With the help of the cycle test performance the student level of capability is identified. • Through that the students will be given more concentration to fill their gap to clear the subject within the prescribed time. These classes will be arranged after their regular hours. • Focus is given to intensive teaching, coaching classes and retests after the analysis of the internal assessment results. This process is done as part of the continuous assessment to ensure the attainment of end semester results and in turn lead to the fulfillment of program outcomes and program educational objectives.

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

http://www.pacolleges.org/images/IQAC/Best%20Practices_PACET.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

P.A. College of Engineering and Technology are developing as centre of excellence for quality professional education, research and training. ? PACET got Autonomous Status for all 4 years in rural area within 10 years of experience. ? PACET has provided good placement for rural students. ? For economically weaker sections management provides fee concession based on cut off marks obtained by the students. ? The Institution grants scholarship based on the cut off marks in the qualifying examination and the economic background of the student.

Provide the weblink of the institution

http://www.pacolleges.org

8.Future Plans of Actions for Next Academic Year

Improve the number of consultancy work undertaken by the faculty members. Applying for more number of Patents Encouraging the faculty members to apply project proposals to various funding agencies and to carry out the RD projects.

Renewal of NBA accreditation of Four UG programmes Encouraging the student to do innovative projects and apply the patent.