



## Yearly Status Report - 2018-2019

### Part A

#### Data of the Institution

<b>1. Name of the Institution</b>		<b>PRATHYUSHA ENGINEERING COLLEGE</b>
Name of the head of the Institution		<b>RAMESH PLN</b>
Designation		<b>Principal</b>
Does the Institution function from own campus		<b>Yes</b>
Phone no/Alternate Phone no.		<b>04437673701</b>
Mobile no.		<b>8939908019</b>
Registered Email		<b>principal@prathyusha.edu.in</b>
Alternate Email		<b>iqac@prathyusha.edu.in</b>
Address		<b>POONAMALLEE-TIRUVALLUR ROAD, ARANVAYAL KUPPAM VILLAGE, ARANVAYAL POST, THIRUVALLUR TALUK - 602025</b>
City/Town		<b>TIRUVALLUR</b>
State/UT		<b>Tamil Nadu</b>
Pincode		<b>602025</b>

<b>2. Institutional Status</b>	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	DR.M.Gopikrishnan
Phone no/Alternate Phone no.	04437673702
Mobile no.	9941870778
Registered Email	iqac@prathyusha.edu.in
Alternate Email	gopikrishnan.cse@prathyusha.edu.in

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://drive.google.com/file/d/155o0FpOV-zYT05-nTofADjNl_Qa5Udbh/view">https://drive.google.com/file/d/155o0FpOV-zYT05-nTofADjNl_Qa5Udbh/view</a>
<b>4. Whether Academic Calendar prepared during the year</b>	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="http://prathyusha.edu.in/downloads/">http://prathyusha.edu.in/downloads/</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A	3.13	2016	16-Mar-2016	17-Jun-2021

<b>6. Date of Establishment of IQAC</b>	16-Jun-2016
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<b>7. Internal Quality Assurance System</b>		
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
NBA pre-assessment audit	17-Jun-2019	140

	7	
Participation of NIRF	30-Nov-2018 6	140
Participation of ARIIA RANK	29-Oct-2018 9	140
ACADEMIC PERFORMNCE AUDIT	18-Jun-2019 7	170
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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
Dr S Arun	Travel Grant	AICTE	2019 1	96667
Dr.P.Dhasarathan	New vistas in Bio-Science	TNSCST-popularization of science activities	2018 1	15000
P Dhasarathan	Development of an innovative nutraceutical fermented beverage From Ashwagandha extract	TNSCST SPS-2018-2019(S)	2019 1	7500
Ms.S.Shobana	Smart Elephant monitoring system	TNSCST SPS-2018-2019 (E)	2019 1	7500
D Meganathan	Automatic Sewage cleaning machine	TNSCST SPS-2018-2019(E)	2018 1	7500
Dr.Jayaraman	Entrepreneurship Awareness Camp (EAC)	DST-NIMAT	2019 1	20000
Dr.S.Arun	Travel Grant	AICTE	2018 1	110000
Dr.P.Dhasarathan	International Conference	AICTE	2019 1	500000
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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 :**

7

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	<a href="#">View File</a>
<b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b>	Yes
If yes, mention the amount	0
Year	2019

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

Initiation, meticulous planning and execution of activities to ensure quality in imparting technical education to the students on par with global standards by measuring the course and programme outcomes for continuous improvement. Ensures quality in the implementation of Best Practices. Grooming of staff by understanding and elevating their standards by evaluation of Staff performance measurement system. Maintenance of Management Information System for details of students, staff, extracurricular and cocurricular activities Formulation of Standard Operating procedure for RD cell, Industry Institute Interaction Cell, EDC Cell, Projects Division, Centres of Excellence etc. to clearly outline the targets to be achieved and analysis of its outcomes.

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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
NBA & NAAC	1. INTERNAL AUDIT FOR NBA FOR THE FOLLOWING DEPARTMENT ECE,CSE,EEE,BT & MECH
LIBRARY	1. AUDIT OF LIBRARY STOCK VERIFICATION
IAT - 2	1. IAT-2 Question paper verification and collection as per Bloom's Taxonomy 2. Audit IAT - 2 Course file audit along with Course outcome analysis. 3. Audit for Mentor book updation. 4. Audit IAT -2 Audit report submission to chairperson.
IAT-3	1. IAT-3Question paper verification and collection as per Bloom's Taxonomy 2. Audit IAT - 3 Course file audit along with Course outcome analysis. 3. Audit for Mentor book updation. 4. Audit IAT -3 Audit report submission to

	chairperson.
MODEL	1. Model Question paper verification and collection as per previous year Question paper. 2. Audit Model Course file audit along with Course outcome analysis. 3. Audit for Mentor book updation. 4. Audit Model Audit report submission to chairperson.
END SEM	1. Model Course file audit report submission to chairperson. 2. Individual faculty complete course file audit for Odd semester.
DEPT. LAB	1. STOCK VERIFICATION OF DEPARTMENT ALL LABORATORIES
COMPUTER SYSTEM	1. STOCK VERIFICATION OF COMPUTER SYSTEM IN ALL COMPUTER LAB.
R & D	1. AUDIT OF RESEARCH AND DEVELOPMENT
TRAINING	1. AUDIT OF TRAINING AND PROGRAMMES OF ALL DEPT.
ADMIN, OFFICE	1. AUDIT OF ADMIN OFFICE
Pre Semester Audit	1. Even Semester Audit - 1 - Before commence of Semester.
IAT - 1	1. IAT-1 Question paper verification and collection from Higher semester as per Bloom's Taxonomy 2. Audit IAT - 1 Course file audit along with Course outcome analysis. 3. Audit for Mentor book updation. 4. Audit IAT -1 Audit report submission to chairperson.
<a href="#">View File</a>	

<b>14. Whether AQAR was placed before statutory body ?</b>	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>Governing Council</td> <td>29-May-2019</td> </tr> </tbody> </table>		Name of Statutory Body	Meeting Date	Governing Council	29-May-2019
Name of Statutory Body	Meeting Date				
Governing Council	29-May-2019				
<b>15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?</b>	No				
<b>16. Whether institutional data submitted to AISHE:</b>	Yes				
Year of Submission	2019				
Date of Submission	04-Feb-2019				

<b>17. Does the Institution have Management Information System ?</b>	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Accounts and financial works (e.g. ERPTally) Institute accountant used to keep record of all financial on license software Tally which includes fees of students, operational expenses, equipment, furniture, maintenance etc. Staff attendance biometric Staff attendance record is maintain by biometric attendance. Library (Library Management Software by AutoLib) This software is helpful to incorporate barcode system for books issue and return. It keeps the record of book issued and return. OPAC system allows students to search books available and put requisitions through Personal computer in the library WORKSHEET GOOGLE DRIVE It can be customize to keep the student record online like their, Test result, Course COPO attainment and assessment and Staff self evaluation system etc. Also faculty can upload notes, elearning resources like PPT, Video lectures which can be access by students online.</p>

## 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 Institute is affiliated to Anna University, we follow the prescribed syllabus of the University for all UG programs and one PG program. Before commencement of new academic year we prepare Academic Calendar as per University guidelines. At the beginning of the semester we prepare objective driven and outcome based teaching plan. All faculty members follow continuous evaluation documents which contain a) Program Educational Objectives, outcomes and its mapping b) Course Objectives, outcomes and its mapping with PO c) Lesson Plan and assessment tools d) Topic covered and number of lectures conducted e) Teaching methods f) Assignment questions and results of the unit tests g) Content beyond the syllabus keeping pace with industrial development h) Practical plan its implementation As per the schedule in every semester performance of the student is assessed by means of Internal Assessment Test t and End semester test [Model Examination]. For the weaker performing [ie slow learners] students, remedial/ Special classes are conducted for different subjects. Industrial visit are arranged to bridge the gap between theoretical knowledge and real life scenario. To make students involved in the teaching learning process, new and innovative teaching techniques in addition to the traditional lecture method are introduced. Guest lectures are conducted by inviting distinguished personalities from different Institutes and Industries. Each faculty member of the department is connected to Mentorship program. Each

member of the teaching faculty is entrusted with the task of mentoring 15 to 20 students. They are responsible for academic and personal mentoring of these students. This is to strengthen the bonds of appreciation and affection that exists between teacher and students.

#### 1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
PMKVY		01/08/2018	365	YES	YES

### 1.2 – Academic Flexibility

#### 1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	INFORMATION TECHNOLOGY	01/07/2019
Mtech	BIO - TECHNOLOGY	01/07/2019
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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
BE	CSE ,ECE ,EEE , CIVIL , MECH	01/06/2018
ME	CSE , COMM .SYS , STRUC . ENGG , PED , B T	01/06/2018
BTech	IT , BT	01/06/2018

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

	Certificate	Diploma Course
Number of Students	640	0

### 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
Infosys Campus Connect FP 5.0	27/06/2019	56
IBM Career Education Programme Software Foundation Course C, C, IDEEclipse, WebTechnologies	08/10/2018	115
Mobile Application Development Android App using Android Studio , Xamarin for Hybrid App development	02/07/2018	40
Computing Tech Club AWS	09/07/2018	30
Web Tech Club Angular js, Node js, Express js, Ruby	16/07/2018	30

on Rails		
Data Analytics Club R Tool	09/07/2018	18
Intelligence Club Arduino Uno board,Rasperri Pi,	09/07/2018	30
C Sec E Hack Club KALI OS tools	16/07/2018	30
IBM Inhouse Training program with intensive coaching by IBM Trainers	17/10/2018	159
InfyTQ Certification (Internal Infosys Campus Connect Core Team Members)	08/07/2019	308
CSSCORP ICT (Training on networking)	05/08/2019	50
GMD SOLUTIONS (Internal Training on Structural Designing and Quantity Surveying)	15/08/2019	23
Mushroom cultivation (Internal training)	15/06/2019	113
Harita Techserv ( Internal Training CATIA)	24/12/2018	50
CNC training ( Internal Training)	26/12/2018	20
ProE/Ansys ( Internal Training)	26/12/2018	33
Manufacturing Technology ( Internal Training)	02/01/2019	13
Bike assembly ( Internal Training)	22/01/2019	39
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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	MECH,EEE,CSE	246
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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

Feedback is collected from all stakeholders. Every year institute organizes Alumni Meet in which feedback is collected to enrich the curriculum. At the mid and end of each semester, a feedback from every student is taken. The college has implemented online student feedback system. Course wise regular student feedback is collected on teaching and learning and is communicated to the respective faculty members so that assess themselves to improve and contribute to teaching learning process in a positive way. Teacher's feedback is collected regarding the facilities provided by the institute. Employer's feedback is taken from different Employers regarding performance of students. Every year Alumni meet is organized in the institute and feedback is collected at the time of alumni meet. Every semester teacher parent meet is organized parents feedback is collected at the time of teacher parent meet. Regular IQAC meetings are held in the institute and many advises and suggestions are discussed with Governing body accepted and effectively implemented for overall development of Institute.

## 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	MECH	120	52	47
BTech	BT	60	40	29
ME	CSE, COMM.SYS,PED, STRUC ENGG	72	23	20
BE	CIVIL	60	6	0
BE	EEE	60	30	26
BE	CSE	120	120	112
BE	ECE	120	120	107
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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	1532	32	112	12	124

### 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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used

	Resources)				
124	124	124	124	18	10

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

Yes. Student Mentoring System is available in institute. Each faculty is the mentor of a group of 15 to 20 students. First year students have mentors from the department of Basic Engineering Science and remaining students have mentors from the parent department. The Department faculty continue to be mentors for the same group of students till their graduation. Each mentor interacts with two students per day, during which, the mentor communicates personally with each student to understand the academic challenges or personal issues of students. Responsibilities: The mentor takes care of mentees in the following ways. • Meets two students every day on priority basis. • Continuously monitors, counsels, guides and motivates the students in all academic matters. • Advises mentees regarding choice of electives, project, summer training etc. • Contacts parents/guardians if situation demands e.g. academic irregularities, negative behavioural changes and interpersonal relations, detrimental activities etc. • Advises students in their career development/professional guidance. • Keeps contact with the mentees even after their graduation. • Intimates the Head of the Institution and suggests if any administrative action is called for. • Maintains a detail progressive record of the mentees in the Mentor Book. • Maintains a brief but clear record of all discussions with students. HOD • Meets all mentor of his/her department at least once a month to review proper implementation of the system. • Interacts with mentors wherever necessary.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1564	124	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
120	124	0	7	20

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
2018	Mr.T.Rubesh Kumar	Associate Professor	IEEE best students branch award
2019	Dr.P.Dhasarathan	Associate Professor	Global education and career forum
2018	Dr.P.Dhasarathan	Associate Professor	Elected Fellow of Eurasian Academy of Environmental Sciences for Environmental Science (FEAES),
2019	Dr.P.Chitra	Professor	Global education and career forum
2018	Mrs.Gunasundari Bathmanaban	Assistant Professor	Faculty Excellence Award from Infosys LTD
2018	Mr.Shankar Kumar	Assistant Professor	Faculty Excellence Award from Infosys LTD

2018	Mrs.Revathi Paramanathan	Assistant Professor	Faculty Excellence Award from Infosys LTD
2019	Ms.P.Malathy	Associate Professor	Cloud Champion award
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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	106,105,214,114,103	VIII/IV	29/05/2019	14/08/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Primary objective of Continuous Internal Evaluation (CIE) is to monitor student progress. As the institute is affiliated to the Anna University, institute strictly adheres to norms and guidelines regarding evaluation and reforms given by university. Along with this, institute follows following evaluation process a) After the result analysis at the end of each semester, the student performance in each subject is analyzed and whenever the performance is to be improved, the faculty incharge is mentored by the Principal. b) Evaluation is done by comparing the teaching process with the laid down methods documented. c) It is monitored through feedback from the students every semester and the feedback is also noted for the faculty's appraisal and for corrective actions. d) Inter department academic monitoring is done by monitoring committee. e) Corrective and preventive actions are taken through discussions in department meetings. The Continuous Internal Evaluation(CIE) is done on the following parameters: a) Assignments b) Presentations c) Industrial visits and training d) Class interactions e) Group discussions f) Workshops/Seminars g) Projects h) Written and practical tests i) Inter college competitions j) Overall attendance and conduct during the session k) Parents meeting l) Extracurricular activities from the students m) Guest lectures n) Paper presentation o) Mock oral p) Written Exams q) Practical Exams r) Comprehensive Viva s) Project work t) Aptitude test u) Coding contest

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

Academic calendar and semester plan are prepared well in advance for all activities of the academic year which includes • Class committee meetings. • Internal assessments schedule. • Class Teacher meetings. • Syllabus coverage schedule. • Project exhibition • General Events • Project review schedule and • Six Academic audit per semester

## 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)

<https://prathyusha.edu.in/departments/computer-science-and-engineering/>

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	78	74	94.8
106	BE	ECE	126	116	92.06
105	BE	EEE	33	28	84.84
214	BTech	BIOTECH	34	34	100
114	BE	MECH	80	78	97.5
104	BE	CSE	82	74	90.24
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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.prathyusha.edu.in>

## 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
Interdisciplinary Projects	1	TNSCST	15000	15000
Any Other (Specify)	1	AICTE	96667	96667
Interdisciplinary Projects	3	TNSCST	22500	22500
Any Other (Specify)	1	DST	20000	20000
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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
Launch of Institution Innovation Council	CSE, ECE, EEE, IT, MECH, CIVIL BIOTECH	21/11/2018
India First Leadership Talk by Shri. Anand Mahindra, Chairman, Mahindra Group	CSE, ECE, EEE, IT, MECH, CIVIL BIOTECH	08/01/2019
Workshop on IPR for Students and Faculty Members	CSE, ECE, EEE, IT, MECH, CIVIL BIOTECH	10/01/2019
Offline workshop on IPR for Students and Faculty	CSE, ECE, EEE, IT, MECH, CIVIL BIOTECH	11/01/2019

Members		
Episode 02 of India First Leadership Talk with Dr. Anand Deshpande, CMD, Persistent Systems Ltd.	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	24/01/2019
Episode 03 of India First Leadership Talk th Dr. Ajit Doval, NSA, Govt. of india	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	21/02/2019
Idea Competition	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	15/02/2019
Design Competition for Proof of Concept DEVELOPMENT	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	01/04/2019
Episode 04 of India First Leadership Talk with with Prof. Anil D. Sahasrabudhe, Chairman, AICTE	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	10/04/2019
Workshop on Cognitive Skills, Design Thinking and Critical Thinking using local resource persons	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	09/04/2019
Proof of Concept(POC) Submission	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	15/05/2019
Exploring Patent Drafting and Filing Aspects	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	24/02/2018
Workshop on IPR for Students and Faculty Members	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	10/01/2019
Offline workshop on IPR for Students and Faculty Members	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	11/01/2019
Workshop on Cognitive Skills, Design Thinking and Critical Thinking using local resource persons	CSE,ECE,EEE,IT,MECH,CIVIL BIOTECH	09/04/2019
Workshop Harmonic Analysis in power system using ETAP	EEE	20/09/2018
WorkshopOperation and control of Variable Frequency Drives	EEE	02/02/2019
ndustry Institute InteractionRecent application of HV lab in IIT,Madras	EEE	13/08/2018
ndustry Institute InteractionSafety In	EEE	21/07/2018

Electrical Apparatus		
Internal Training Hands on Training on PV Cyst Software	EEE	10/08/2018
Internal Training Hands on Training on Interior Design	EEE	09/08/2018
Internal Training Load Flow Analysis using ETAP	EEE	18/07/2018
Internal Training Hands on training on Erection	EEE	23/09/2018
Internal Training Training on Design of Street Light Calculation	EEE	07/02/2019
Internal Training Hands on training on standalone system	EEE	23/01/2019
Internal Training Short circuit Analysis using ETAP	EEE	15/02/2019

### 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
MHRD Institute Innovation Council	Dr Padmapriya	MHRD	12/11/2019	Second Gold Star
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### 3.2.3 – 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
MSME StartUP	Mr.Kalaiselvan	MSME	Freaking Studios	Manufacturing Service	11/09/2019
MSME Startup	Mr.S.P.Jothes	MSME	Jolly Creations	Manufacturing Service	11/09/2019
MSME Startup	Ms.Sangeetha	MSME	Buddha Block	Manufacturing Service	06/05/2019
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## 3.3 – Research Publications and Awards

### 3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
5	16	2

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

Name of the Department	Number of PhD's Awarded
ECE	3

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

Type	Department	Number of Publication	Average Impact Factor (if
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			any)
International	CSE	41	3.48
International	EEE	8	6.44
International	MECH	19	5.07
International	BIOTECH	22	3.67
International	CIVIL	16	7.21
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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
CSE	39
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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
Space Time Regularized zero forcing in Downlink Code Division Multiple Access Systems with Complementary Codes	Dr Arun	Wireless Personal Communications, Springer	2019	1	YES	0
Design and implementation of autonomous flower harvester using image processing	Dr.S.Padma Priya Dr.S.Arun	International Journal of Recent Technology and Engineering	2019	1	YES	1
Enhanced cyber security for big data challenges	Dr.S.Padma Priya Dr.S.Arun	International Journal of Innovative Technology and Exploring Engineering	2019	0	YES	0
Metaclassi	Dr.S.Padma	Internatio	2019	0	YES	0

fiers for predicting the robotic navigational performance	Priya Dr.S.Arun	nal Journal of Innovative Technology and Exploring Engineering				
Role of silanized magnetic Fe2O3 particle in heat dissipation and microwave shielding behavior of E-glass fibreglass reinforced epoxy resin composite	Dr.V.Jayas eelan	Materials Research Express	2019	1	YES	1
A hyperchaotic memristor system with exponential and discontinuous memductance function	Dr.S.Arun	AEU International Journal of Electronics and Communications	2018	1	YES	1
SWOT Analysis and Favorable Factors	Dr.V.Jayas eelan,	Proceedings of the 4th International Conference on Electrical Energy Systems, ICEES 2018	2018	0	YES	0
Speech Enhancement via Smart Larynx of Variable Frequency for Laryngectomized Patient for Tamil Language	Mrs.Malath i S	Circuits, Systems, and Signal Processing	2019	0	YES	0



Syllables Using RADWT Algorithm						
A quality of service load balanced connected dominating set-stochastic diffusion search (CDS-SDS) network backbone for MANET	Mrs.Kavitha	Computer Networks	2019	0	YES	0
High temperature superplasticity and its deformation mechanism of AA6063/SiCp	Dr.V.Jayasheelan	Case Studies in Thermal Engineering	2019	0	YES	0
High temperature superplasticity and its deformation mechanism of AA6063/SiCp	Dr.V.Jayasheelan	Case Studies in Thermal Engineering	2019	0	YES	0
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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
Ecofriendly green synthesis of silver nanoparticles from the sesame oil cake and its potential anticancer and antimicrobial	Alfuraydi, A.A., Devanesan, S., Al Ansari, M., AlSalhi, M.S., Ranjitsingh, A.J.	Journal of Photochemistry and Photobiology B: Biology 192, pp. 8389	2018	1	3	Prathyusha Engineering College

activities						
Third Order Optical Luminance and Electrical properties of phenylalaninium bromide bulk crystals	Surekha R Ambujam, K. Sagayaraj, P.,	Optical Materials	2018	1	1	Prathyusha Engineering College
BJPV market growth SWOT analysis and favorable factors	Kumar , Sudhakar , SAMykano , JAYaseelan V	Proceedings of the 4th International Conference on Electrical Energy Systems, ICEES 2018 8443227, pp. 412415	2018	1	5	Prathyusha Engineering College
On the technologies empowering drones for intelligent monitoring of solar photovoltaic power plants	Kumar, N.M., Sudhakar, K., Samykano, M., Jayaseelan, V.	Procedia Computer Science 133, pp. 585593	2018	1	1	Prathyusha Engineering College
Design of alpha/numeric microstrip patch antenna for WiFi applications	Prabu, R.T., Ranjeetha, R., Thulasi Bai, V., Jayanandan, T	Advances in Intelligent Systems and Computing 542, pp. 2139	2018	1	2	Prathyusha Engineering College
Antimicrobial and Cytotoxicity Effects of Synthesized Silver Nanoparticles from Punica granatum Peel Extract	AlSalhi, M.S., Bala ji, Othman, Aleaniz, Devanesan	Nano Scale REsearch Letters	2018	1	3	Prathyusha Engineering College

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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	0	26	0	0
Presented papers	14	24	3	0
Resource persons	0	0	0	3
Attended/Seminars/Workshops	0	3	61	0
Presented papers	0	11	2	0

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### 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
Swachh Bharat rural development internship	Govt of India	2	50
Blood Donation camp	Prathyusha Engineering College	5	250
NSS Orientation programme at Anna University	NSS , ANNA UNIVERSITY	1	50
NSS Orientation programme	NSS , ANNA UNIVERSITY	2	100
Republic day celebration	NSS CELL PEC	2	75
Independence day celebration	NSS CELL PEC	2	75
Tree Plantation Programme	NSS CELL PEC	4	100
Seed Ball Workshop	GOVT OF TAMILNADU	5	200
Gaja Relief Visit campaign	NSS CELL PEC	5	50
Rural Special Camp	NSS CELL PEC	2	50
Plastic awareness rally	NSS CELL PEC	4	50

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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
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			Benefited
SEED BALL WORKSHOP	WORKSHOP PARTICIPATION CERTIFICATE	INFOSYS TECHNOLOGIES, CHENNAI	14
BLOOD DONATION CAMP	APPRECIATION FOR 250 UNITS OF BLOOD DONATED	GOVERNMENT GENERAL HOSPITAL, CHENNAI	250
NSS ORIENTATION PROGRAMME AT ANNA UNIVERSITY, CHENNAI	PARTICIPATION CERTIFICATE	ANNA UNIVERSITY, CHENNAI	28
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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
NSS	NSS Anna university	Special camp, blood donation camp, Aids awareness, Road safety programme, National youth day, Tree plantation	22	225
Swachh Bharat	NSS	College cleanliness camp	4	50
Swachh Bharat	NSS	swachh Bharath Internship programme on rural community services	8	25
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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
FEN APP Project	5	Support given by External Agency I spark Solution	180
Mobile App for Energy Audit	5	Support from External Agency Ispark Solutions	180
FEN APP	4	Regional Convention of the 2nd AICTEECIISTE Chhatra Vishwakarma Awards 2018.	1
Fen App An agricultural mobile	2	TECHNOLOGY EXHIBITION 2019	1

app		CTDT, Anna University	
AI Solution for Farmers	4	8th CSI InApp National Student Project Awards 2018	1
SIH Hardware edition 2019Autonomous Rover	1	SIH HARDWARE EDITION 2019	4
Ground nut seed sowing machine	4	TECHNOLOGY EXHIBITION 2019 CTDT, Anna University	1
Semi automatic washing machine	4	TECHNOLOGY EXHIBITION 2019 CTDT, Anna University	1
Smart Home Automation	4	TECHNOLOGY EXHIBITION 2019 CTDT, Anna University	1
Knowledge sharing	1	Zambia university, Zambia	1
Autonomous Rover	6	SELF	220
No file uploaded.			

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
Internship	Web Developer	vishwak Solutions Pvt Ltd ,NSIC STP Complex, B24, Guindy Industrial Estate	01/08/2018	31/03/2019	3
Internship	Java Trainee	Vernalis System , Ambit IT Park,, Ambit Park Road, Ambattur Industrial Estate	01/08/2018	31/03/2019	1
Internship	UI/UX Developer	NFN Labs	01/12/2018	31/03/2019	1

Internship	Data analysis	Scopeknowledge pvt ltd	01/05/2019	01/07/2019	8
Internship	Labview	SASIYAKA	01/07/2018	31/03/2019	3
Internship	3D Printer design	RETECH solutions	01/12/2018	01/01/2019	15
Internship	Design of Autonomous Rover	BAROLA Technologies	01/07/2018	31/07/2018	9
Internship	Labview	OPTITHOUGHT	20/07/2018	20/09/2018	3
Internship	Electric Traction	ICF, Chennai	30/08/2018	12/09/2018	5
Internship	Electric Traction	Locoshed, Arokkonam	07/08/2018	18/08/2018	8
Internship	Substation	TNEBRamapuram.	31/08/2018	06/09/2018	2
Internship	Substation	TNEB.	02/01/2019	02/02/2019	3
Internship	ETAP	Electrono solution	08/01/2019	30/04/2019	2
Internship	PLC	Honeywell Automation LTD	31/01/2019	13/02/2019	2
Internship	TUNNEL	CONCUBE INFRA PVT LTD	04/01/2019	12/01/2019	6
Internship	PILE FOUNDATION	CPWD	10/06/2018	26/06/2019	3
Internship	TUNNEL	CMRL	13/08/2018	21/08/2018	10
Internship	TUNNEL	CMRL	05/09/2018	11/09/2018	23
Internship	TRACK ALIGNMENT	SOUTHERN RAILWAY	06/12/2018	13/12/2018	5
Internship	Production trainee	Jay engineering works	19/07/2018	26/08/2018	10
Internship	Production and quality trainee	Cross manufacturing company	19/07/2018	26/08/2018	10
Internship	Design trainee	Sanko	06/08/2018	11/08/2019	25
Internship	Production planning trainee	Sunbam Technologies	06/08/2018	11/08/2018	8
Internship	Production trainee	KKR Metal components	13/08/2018	18/08/2018	12
Project	WEb Designing	WEI, Chennai	01/12/2018	01/03/2019	2
Internship	SAP Modules	TNEB , Chennai	01/12/2018	31/03/2019	6

Internship	Mobile App Vision 2020Vision 2020	ABJ Kalam Trust through Ispark Solutions	01/12/2018	31/03/2019	1
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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
Tesla Minds	05/06/2018	Industrial internship, Placement, Inplant training, Industrial visit	25
Harita Techserv Limited	22/03/2018	Placement	21
Aaranya bioscience	01/01/2018	Internship, Placement, Inplant training, Industrial visit	32
GMD Solutions	08/08/2019	Training, Certification, Internship, Projects, Industrial Expert Interaction, Certification, Internship, Projects,	23
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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
3900000	3260381

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)	Existing

Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing

#### 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	2019

##### 4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	54790	18547192	538	242100	55328	18789292
Reference Books	5490	2113650	20	9000	5510	2122650
e-Books	2212	13570	20	0	2232	13570
Journals	62	132000	0	0	62	132000
e-Journals	839	13570	20	0	859	13570
CD & Video	2010	0	10	0	2020	0
Library Automation	1	50000	0	0	1	50000
Weeding (hard & soft)	3030	921800	48	0	3078	921800
Others (specify)	1	100000	0	0	1	100000
No file uploaded.						

##### 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
Mr. THIYAGARAJAN	SEO	TECHNOLOGY UPGRADE MEETING	29/03/2019
Ms.M.Preetha	ENotes	Institutional level	01/06/2019
Ms.S.Shobana	ENotes	Institutional level	01/06/2019
Mr.J.Rajesh	ENotes	Institutional level	01/06/2019
Mr. K.Anand	ENotes	Institutional level	01/06/2019
Mr. Manikandan	ENotes	Institutional level	01/06/2019
Ms. T.Mathumathi	ENotes	Institutional level	01/06/2019
Dr.P.Dhasarathan	E Notes, Question bank for UG Biotech programme	Institutional level	01/06/2019
Mr K Cholpandian,	E Notes, Question	Institutional level	01/06/2019



	bank for UG Biotech programme		
Dr A Praveena	E Notes, Question bank for UG Biotech programme	Institutional level	01/06/2019
Dr M. Thenmozhi	E Notes, Question bank for UG Biotech programme	Institutional level	01/06/2019
Ms. Joyce Helen Sathya	E Notes, Question bank for UG Biotech programme	Institutional level	01/06/2019
Dr.P.Jayaraman	Product Design and Development	NPTEL Translated material in Tamil	01/09/2019
Mr.K.Balachandar	Additive Manufacturing	Webinar	30/07/2019
Mr.K.Balachandar	TIG Welding	Digi Guru 2018, ICT Academy	08/03/2018
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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 (MGBPS)	Others
Existing	1080	13	100	1	12	15	20	100	0
Added	60	0	0	0	0	0	0	0	0
<b>Total</b>	<b>1140</b>	<b>13</b>	<b>100</b>	<b>1</b>	<b>12</b>	<b>15</b>	<b>20</b>	<b>100</b>	<b>0</b>

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

100 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
Webinar, Prathyusha Engineering College	<a href="https://www.facebook.com/PrathyushaInstitute/videos/904168223279060/">https://www.facebook.com/PrathyushaInstitute/videos/904168223279060/</a>
Digi Guru Contest 2018, ICT Academy	<a href="https://www.youtube.com/watch?v=HHoDmzeeQ0">https://www.youtube.com/watch?v=HHoDmzeeQ0</a>
Webinar, prathyusha Engineering college	<a href="https://www.facebook.com/207688775912837/posts/2693191600695863/">https://www.facebook.com/207688775912837/posts/2693191600695863/</a>
Digi Guru Contest 2018, ICT Academy	<a href="https://youtu.be/78fOrPqOD8E">https://youtu.be/78fOrPqOD8E</a>
Centralised AV Hall (Audio Video) for video capturing and voice recording supported with internet facility, LCD Projector, Board, Video capturing editing software installed computer system and PA systems Mega Computing Laboratory for Live webin	<a href="https://www.facebook.com/PrathyushaInstitute/videos/2056267354682050/UzpfSTeWMDAyNTUzNzk4MDA1MjozOTY2MzMzMTC4NjQ1OTg/">https://www.facebook.com/PrathyushaInstitute/videos/2056267354682050/UzpfSTeWMDAyNTUzNzk4MDA1MjozOTY2MzMzMTC4NjQ1OTg/</a>

**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
10000000	8716665	18000000	15372605

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)

Prathyusha Engineering College is located in Chennai, Tamilnadu, situated on Ponnammallee - Thiruvallur Road, Aranvoyal kuppam and is flanked by Thirumazhi, the new satellite township. The campus is spread across a vast area of 60 acres of lush green environment. The college has a well designed building and comprehensive infrastructure provided for both students and faculty with a Central computing facility, Central Library, and common facilities like workshop, playground, and canteen in campus. Excellent state of the art infrastructure of PEC is strength with exceptionally wide experienced faculty supported by on campus hostel facility, library, Research labs, Industry Associated laboratories, seminar hall, and all allied facilities. Moreover, the college is blessed with well planned infrastructure features that support all kinds of events and acts as a facilitator for the effective delivery of our curriculum. The Institute is divided into zones - The Academic Zone, residential zone, administrative zone. The layout has been excellently planned to make the maximum utilisation of the entire campus area with separate blocks - Administrative Block, Examination Cell, Institute Industry Collaborative Block, Central Library, Central Auditorium, ECE Block, EEE Block, Mechanical And Civil Block, CSE/IT Block. CLASS ROOMS The classrooms boards and furniture facilities are utilized regularly by the students but sometime it is also made available for the other governmental and the nongovernmental organizations for conducting the exams like scholarships etc.. CENTRAL LIBRARY PEC has housed in a spacious area of 50, 000 sq ft, fully computerized and airconditioned with Reference Section, Magazine Section and Stack Area with more than 60,000 text books, reference books, dictionaries, encyclopedias, code books, and data sources books and reference volumes stacked for the benefit of staff and students. A comprehensive, bar coded, computerized library and reading hall equipped with internet connection, email facility, audio video CD and DVD, national and international journals, Technical Magazines, past students work in digital format and photocopying facilities are also available. The digital Library Dspace provides online resources for interested students in Computer Assistant Learning. CENTRAL COMPUTER FACILITY The college has about 1500 Hiend Computer all networked with LAN and internet services through wireless connectivity, and LCD projection systems, hardware and software, printers, plotters, scanners, photocopying machine, digital cameras and video cameras. The stateoftheart engineering in our Computer Centre comprises the following: IBM Blade server Advanced Networking Equipment from CISCO Latest software Tools are available to enable the students to work on data analysis, Computing technologies, web technologies and software designing NAS - Network Attached Storage data backup system of 2TB capacity INTERNET FACILITY The entire campus is connected by Internet with 100 Mbps bandwidth. The campus has 1500 computers equipped in laboratories with TFT monitors. AUDITORIUM / SEMINAR HALL The college has two centralized airconditioned seminar halls with all modern facilities in the campus. The college multipurpose hall has a capacity of 1500

and it is also equipped with ultra modern LCD projector, computer workstation, audiovisual facilities and wireless Internet facilities and also each departmental block has a Seminar Hall exclusively

<http://prathyusha.edu.in/infrastructure>

## 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	Sivaramaiah Scholarship , Fee concession Academic concession	356	9712500
Financial Support from Other Sources			
a) National	BCMBC SCHOLARSHIP, SC SCHOLARSHIP , MERIT CUM SCHOLARSHIP PMSS SCHOLARSHIP	456	6535755
b) International	NIL	0	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
Personal Counselling and Mentoring	18/06/2018	1209	INTERNAL MENTORING
Remedial classes	01/07/2018	118	Course Incharge
Meditation	01/09/2018	1108	Heartfulness Meditation centre
Soft Skills and aptitude training	01/09/2018	107	External agency Arulmani
Communication Skills	18/06/2018	100	Internal training
Aptitude Training for final year UG students (Batch 20152019) by Smart Training Resources Pvt Ltd.,	27/07/2018	82	smart Training Resources Pvt Ltd.,
Softskill Training for Third year UG students (Batch 2016 2020)	27/07/2018	97	Smart Training Resources Pvt Ltd.,
Aptitude Training for third year UG students (Batch	12/07/2018	189	Ways Open Academy

20162020) by Ways Open Academy			
English for Life Training for second year UG students (Batch 20172021) by Ways Open Academy	12/07/2018	163	Ways Open Academy
Softskill Training for Final year UG students by Ripe Consulting Services Pvt Ltd. (Batch 2015 2019)	12/07/2018	193	Ripe Consulting Services Pvt Ltd.
Concept of the Day (2018 19 ODD EVEN)	05/06/2018	316	Internal
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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
2019	GATE	50	36	3	0
2019	Study Abroad	6	16	1	1
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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
3	3	5

## 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
59	432	288	40	432	135
<a href="#">View File</a>					

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
2018	4	B.E	MECHANICAL	1.CITD(HYD) 2.UCL(UK) 3. SRM(CHENNAI)	1.M.Tech(Mechatronics) 2.MSc

				4. Anna University (CHENNAI)	(Mechanical) 3. M.Tech (Mechatronics) 4. M.E (RAC)
2018	2	B.E	CIVIL	1. PEC CH-CHENNAI	1. M.E (STRUCTURES) 2. M.E (INDUSTRIAL SAFETY)
2018	5	B.E	ECE	CAMBRIDGE	M.S. in Networking MS - IT MS - DATA SCIENCE
2018	8	B.TECH	BIOTECH	PEC SRM	M.TECH (BIOTECH) M.TECH (GENETIC ENGG)
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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	4
Any Other	2
Civil Services	1
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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
HAND BALL Runner 20182019	ZONAL	14
KHOKHO (MEN) 3rd place 20182019	ZONAL	12
Ball badminton (Women) 3rd place 20182019	ZONAL	10
Ball badminton (Men) Winner 20182019	ZONAL	10
KHOKHO (MEN) 3rd place 20192020	ZONAL	12
1500 MTS 20192020	ZONAL	1
No file uploaded.		

### 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/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	HAND BALL ( MEN)	National	12	0	111415105033	SOUNDARARA JAN.S

2018	HAND BALL ( MEN)	National	12	0	1114051140 37	S.KANNAN
2018	HAND BALL ( MEN)	National	12	0	1114151030 60	S.SANJAY
2018	HAND BALL ( MEN)	National	12	0	1114151140 44	MANIVANANN AN
2018	HAND BALL ( MEN)	National	12	0	1114161140 02	ARJUN .S
2018	HAND BALL ( MEN)	National	12	0	1114151040 28	GOVARTHAN
2018	HAND BALL ( MEN)	National	12	0	1114172140 09	BHARATH .M
2018	HAND BALL ( MEN)	National	12	0	1114171140 34	MAHESH
2018	HAND BALL ( MEN)	National	12	0	1114161060 25	GOWTHAMAN. K
2018	HAND BALL ( MEN)	National	12	0	1114161060 5	VISHNU TEJA .M
2018	HAND BALL ( MEN)	National	12	0	1114161140 34	KIRAN
2018	HAND BALL ( MEN)	National	12	0	FIRST YEAR	PRABHU
2018	HAND BALL ( MEN)	National	12	0	1114151030 64	SATHISH
2018	HAND BALL ( MEN)	National	12	0	1114151060 08	.D.BARATH
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114171040 33	V.JEEVA
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114171040 56	K.MANI RAKESH
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114181050 17	MUNUKURU YASWANTH REDDY
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114171060 09	BOLLINEM SRI TEJA
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114181040 15	B.SRINIVAS ULU
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114181060 19	CH.VISWESW AR REDDY
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114161140 09	ANILKUMAR
2019	KHO-KHO (MEN) 3rd	National	12	0	1114811402 6	KANCHAM REDDY

	place					MAHESH
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114161040 77	SANTHOSH.V R
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114161040 13	SIVA REDDY
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114172140 09	BHARATH
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114172140 05	A.NAVEEN
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114181040 73	K.NAVEEN KUMAR
2018	Ball badminton (women) Runner	National	10	0	1114161060 60	PINNIKA SUNITHA
2018	Ball badminton (women) Runner	National	10	0	1114171060 22	PINNIKA SUNITHA
2018	Ball badminton (women) Runner	National	10	0	1114171060 67	YEKAMBARAM SRAVANI
2018	Ball badminton (women) Runner	National	10	0	1114171061 06	PABATHI SAI ANUSHA
2018	Ball badminton (women) Runner	National	10	0	1114171040 62	ULGANTI VANI
2018	Ball badminton (women) Runner	National	10	0	1114181060 89	CHAVALA NAGAJYOTHI
2018	Ball badminton (women) Runner	National	10	0	1114171060 21	GANTA RESHMA YESODHA
2018	Ball badminton (women) Runner	National	10	0	1114161060 40	KATATAMURI JYOTHIRMAI
2018	Ball badminton (women) Runner	National	10	0	1114171060 51	MUPIRI ANKITHA

2018	Ball badminton (women) Runner	National	10	0	111418106013	R.MADHUNIS HA
2018	Ball badminton (men) Winner	National	10	0	111416114059	. SATHIESH KUMAR.R
2018	Ball badminton (men) Winner	National	10	0	111416104014	CHIDAMBARA M.B
2018	Ball badminton (men) Winner	National	10	0	111417114013	CHINTHAPAT LA DINESH
2018	Ball badminton (men) Winner	National	10	0	111415106078	. AKKAMGARI GOVARDHAN
2018	Ball badminton (men) Winner	National	10	0	111418106001	NIVESH.C
2018	Ball badminton (men) Winner	National	10	0	111415106078	AJITHKUMAR .V
2018	Ball badminton (men) Winner	National	10	0	111415114005	KAITHAPALL I SREENIVAS
2018	Ball badminton (men) Winner	National	10	0	111417104040	KANCHAMRED DY MAHESH
2018	Ball badminton (men) Winner	National	10	0	11148114026	. J.DINESH
2018	Ball badminton (men) Winner	National	10	0	111417114013	D.NAVEEN KUMAR
2019	KHO-KHO (MEN) 3rd place	National	12	0	111417104033	V.JEEVA
2019	KHO-KHO (MEN) 3rd place	National	12	0	111417104056	K.MANI RAKESH
2019	KHO-KHO (MEN) 3rd	National	12	0	111418104015	BOLLINEM SRI TEJA



	place					
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114181060 19	B.SRINIVAS ULU
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114161140 09	CH.VISWESW AR REDDY
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114811402 6	ANILKUMAR
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114161040 77	KANCHAM REDDY MAHESH
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114161040 13	SANTHOSH.V R
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114172140 09	SIVA REDDY
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114172140 05	BHARATH
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114181040 73	A.NAVEEN
2019	KHO-KHO (MEN) 3rd place	National	12	0	1114151050 33	SOUNDARA RAJAN.S
2019	1500 MTS	National	1	0	1114161140 09	Chandra Anil
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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)

The institute has department wise active cell of student council. This council consists of student elected as class wise student representative and other student class coordinators along with a teaching faculty. This student council actively participates in all activities of the institute with guidance of the teaching faculty coordinator. Actually this council acts as a mediator between the faculty and the students. This council helps the teaching faculties as well as management of the institute both in academic as well as administrative activities as follows: ? Coordination of academic activities throughout the semester ? Coordination of co curricular and extracurricular activities smoothly ? Coordination of industrial visits ? Coordination of seminars/workshops by inviting external guests ? Presenting the problems of students in front of teaching faculty as well as management ? To assists teaching faculties heading various academic as well as administrative committees ? Motivating the students to actively participate in various activities initiated by the institute. Institute also provides the necessary support to student council for organization of any activity. Council helps the teaching faculty coordinators in many of the other committees as institute magazine, library, hostel, mess, grievance etc

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Alumni Association of Prathyusha Engineering College The concept of alumni association evolved for needs from both the ends, i.e. academicians and professionals, in the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of competitive professional world. Both the ends shall work hand in hand to help each other for achieving the goal. The idea took shape and formation of Alumni Association turned into reality. Alumni Association of Prathyusha Engineering college is formed in the year 2007 and it is registered as "PITAM ALUMNI ASSOCIATION". Objectives: 1. To provide a forum to establish a link between the alumni, staff and students of the Institute. 2. To enable the alumni to participate in activities that would contribute to the general development of the Institute and the Society. 3. To help the alumni with their technical and relocation problems. 4. To try to find employment opportunities to students and fellow alumni members in need. 5. To give institute prizes and scholarships, and render financial aid to needy and deserving students of the Institute. 6. To assist in conduction and organizing academic activities like conferences, workshops, technical symposiums. 7. To contribute towards the welfare of the alumni. 8. To keep the alumni abreast of scientific and technological developments of national and global importance. 9. To generate funds to give scholarships to meritorious students and awards to toppers of all branches of engineering. 10. To arrange seminars and debates for technical guidance to students for knowledge and career Advancement. 11. To invest and deal with the funds of the Association. 12. To do such other lawful things as are conducive or incidental to the attainment of the above objectives and / or beneficial to the interests of the Institute and its Alumni. 13. To promote Entrepreneurship Innovation among the students. 14. To help Institute for effective liaison to Industry.

5.4.2 – No. of enrolled Alumni:

11220

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

300000

5.4.4 – Meetings/activities organized by Alumni Association :

04

## 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)

Decentralisation: Prathyusha Engineering College has been carrying out comprehensive decentralisation since its inception, which has tremendously involved the participation of all faculty and staff towards effective and quality Engineering education to the students thereby enhancing the satisfaction level among all its stakeholders. Various committees have been constituted under the following categories, 1. Institute Level 2. Department Level 3. Student Level COMMITTEES Examination Cell Local Grievance Redressal Cell Women Empowerment Cell AntiRagging Committee Antisocial Harassment Cell Centre For CoCurricular And ExtraCurricular Activities Centre For Alumni Affairs Coordinators For First Year Transport Stores Time Table Coordinator

Disciplinary Committee Career Guidance Cell Technical Club Coordinator Placement Cell Training Division Systems In Charge Entrepreneurship Development Cell Special Events Professional Society / Conference/ Coordinator Projects/ Miniprojects Newsletter, Handbook, EMagazine Purchase Committee IQAC RD Quality Improvement Cell, NPTEL/MOOC/ Swayam Department Level: ? The curriculum enrichment is implemented through the initiation of various Technical Clubs, where the faculty coordinator of each club takes the responsibility of organising various programmes to nurture the practical knowledge of the student with the recent technologies. ? The overall Coordinator of the Institute Level Committees coordinates the activities along with the Department Level Coordinators. ? The feedback from students are obtained through Class Committee Meetings and follow up is ensured by the Class Advisors. Student Level: Students are trained to acquire leadership skills by organising various technical and Extra Curricular/ Co Curricular activities such as Symposia, Cultural Events, Sports Events, State Level and National Level Contests/ Workshops. The Governing Council: The members of the Governing Council would be responsible for final decisions on Financial implications, Resource procurement, infrastructure expansion for research development, Memorandum of Understanding with various organisations, faculty salary structure, faculty and students welfare schemes etc. The members of the Management then execute these decisions with the help of all the concerned staff. The Head of the Institution is the Principal and administers the functioning of academic activities, Admission strategies and also encourages Corporate Social Responsibility, with the help of the Head of the Departments and their faculty. The staff fraternity comprises of the following, 1. Teaching Staff 2. Non Teaching Staff 3. Administrative Staff Besides , the responsibilities carried out by the faculty under various activities, the staff also involve in the following activities, Teaching Faculty: 1. Class Advisor 2. Mentor 3. Laboratory In Charge 4. Project / Miniproject Coordinator 5. Technical Club Coordinator 6. IEEE Professional Society Advisors 7. International/ National Conference Coordinators 8. Placement Coordinator 9. Training Coordinator 10. Cultural / Sports Coordinators 11. NSS activities 12. Swachch Bharath Coordinators 13. IQAC Coordinators 14. RD Coordinators 15. Examination Coordinators 16. Admission Coordinators 17. NBA/ AICTE/ Regulatory Body Coordinators 18. Local Grievance Cell Coordinator 19. Anti Ragging Committee Coordinator 20. NPTEL/ MOOC/ Swayam Coordinator 21. Website Coordinator 22. Alumni Coordinator 23. Entrepreneurship Development Cell Coordinator Non Teaching Faculty: 1. Laboratory In Charge 2. IQAC members 3. Anti Ragging Committee Members 4. Admission Committee Members Administrative Staff: 1. Management of Staff and students data 2. Ensuring students and staff welfare

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
Library, ICT and Physical Infrastructure / Instrumentation	PEC has housed in a spacious area of 50, 000 sq ft, fully computerized and airconditioned with Reference Section, Magazine Section and Stack Area with more than 60,000 text books, reference books, dictionaries, encyclopedia, code books, and data sources books and reference volumes stacked for the benefit of staff and students. A comprehensive, bar coded, computerized

library and reading hall equipped with internet connection, email facility, audio video CD and DVD, national and international journals, Technical Magazines, past students work in digital format and photocopying facilities are also available. ICT Infrastructure: The digital Library Dspace provides online resources for interested students in Computer Assistant Learning to learn and certify in various courses within and beyond the specified curriculum, such as 1. NPTEL Online Certification Courses from Second Year onwards 2. MOOC Classes 3. Online Certification course by Udemy, Coursera, Sololearner, etc. 4. Webinars 5. Video Lectures by Eminent Academicians. Details of Library: Details Available Books No. of titles 11575 No. of volumes 57879 Journals 6 B.E. ECE 6 B.E. CSE 6 B.E. EEE 6 B.E. MECH 6 B.E. CIVIL 6 B.TECH BT 6 M.E. Structural Engineering 6 M.E. Power Electronics and Drives 6 M.E. Communication Systems 6 M.E. Computer Science and Engineering 6

Industry Interaction / Collaboration

The college always introduces new and updated initiatives in bridging the gap between the Industry and academia. In this direction, the college has signed Memoranda of Understanding with various industries to ensure Training, Internships, Guest Lectures, Industrial Visits, Faculty Development Programmes and Recruitment of students. The list of organisations with which MoUs have been signed are as follows, 1. National Institute of Wind Energy SRRA Unit 2. IBM - Career Education and Cloud Computing 3. Infosys Campus Connect 4. TVS Harita Tech Serv Pvt. Ltd. 5. National Instruments - LabVIEW 6. Animal House recognised by CPCSEA 7. ICT Academy 8. Synchromax 9. CISCO Faculty in association with the students also are motivated towards research with the infrastructural facilities available in these Centres of Excellence. There is also an Industry Institute Partnership Cell which manages to perform the bridging process.

Human Resource Management

Recruitment/ Promotion: Based on the AICTE norms, deficiency of faculty are identified and advertisements are posted in Websites and dailies for

efficient recruitment. After careful scrutiny of the resumes, interviews are scheduled for short listed candidates. Selection of candidate is done strictly on the basis of qualification experience. The evaluation of teaching skills, conceptual clarity communication skills and confidence is carried out by the authorities of the recruiting committee constituted by the Governing Council comprising of Experience faculty from various institutes like IIT, NIT etc. for finally selecting the best talent for the organization. The recruitment procedures, service rules and promotion policies are made transparent and employees are benefitted. General Welfare Schemes: ? Preference is provided for wards of faculty studying at the college. ? Group insurance is provided for all the staff in case of emergencies. ? Food and Transport facilities are provided to the staff at nominal cost. ? Employee's salary will be credited in the bank account directly, the bank ATM counter works all days in the campus. ? Pay slips are issued to the employees every month. ? NonTeaching staff are provided with Provident Fund facility. ? For professional development of the faculty member, the institute delegates the faculty and staff to undergo development programs outside the institute, provides technical resources and financial assistance to undertake such development programs. ? The institution encourages the employees to their promotional activities in the form of higher education, presenting research papers in National/International conferences with financial assistance. ? Faculty are felicitated and recognised for their academic achievements and for implementation of special initiatives

Admission of Students

- The students from all over the State are invited to the college to visit the facilities and also are introduced to the basic concepts of each discipline of Engineering through free Summer Training Courses. • Project Exhibitions are conducted for students to understand the infrastructural facilities of the college and also get acquainted with the existing faculty of the organisation to understand the

Education process of the college. • For under graduate programmes: the students are admitted through central process conducted by a state government body DTE (Directorate of Technical education) and Anna University, Single window system • For post graduate programmes: the students are admitted through a common entrance test (TANCET) conducted by the Anna University. • Tuition fee waiver is provided to meritorious students at the time of admission.

Curriculum Development

Prathyusha Engineering College is permanently affiliated to Anna University and adheres to the curriculum prescribed by Anna University, following the Regulations of the University. To upgrade the additional skills required by the Industries, 56 Technical Clubs are constituted in the departments enabling and facilitating students to train themselves. They are exposed to recent technologies through 1. Industry Expert Interaction 2. Industrial Visits 3. Internships 4. Projects/ MiniProjects 5. Hackathons 6. Online Certifications These Technical Clubs are organised under two domains, Hardware and Software.

**ELECTRONICS AND COMMUNICATION ENGINEERING NAME OF THE TECHNICAL CLUB**

1 NI LAB VIEW Academy Communication Robotics Automation Embedded System Telemedicine Internet Of Things(Iot) For Health Care Service Antenna Design RF Component Design Testing IC Design Testing VLSI Design Signal Processing Image Processing Artificial Intelligence Pattern Recognition Wireless Sensor Networks

**MECHANICAL ENGINEERING 1** Auto CAD Ansys Bike Assembly Car Assembly Catia CNC Manufacturing Process Club ProE / CREO Automation Club

**ELECTRICAL AND ELECTRONICS ENGINEERING 1** Professional Lighting Design Club Manufacturing Process SupportMotor Assembly Club Manufacturing Process SupportElectrical Wiring Club ETAP Club PLC And SCADA Club Green Energy Club Instrumentation And Control Club PCB Design Power Electronics And Drives Club NI LabVIEWControl Automation Club Digital Logic Circuit Club

**CIVIL ENGINEERING TECH CLUB NAME 1** Architectural Club Enviro Club Structural Club Survey Club CAD Club **BIOTECHNOLOGY 1** Bioinformatics

Tools And Application SOFTWARE DOMAIN:  
 1 FOSS Club Mobile App Development  
 Coding Club Analytics Club Intelligent  
 Systems Club Computing - Tech Club CSec  
 EHack Club (Cyber security Ethical  
 Hacking) WebTech Club Hardware  
 Networking Club Graphics Gaming Club  
 Project Management Club Agriculture in  
 Computer Science Club Dr.Kalam's  
 Innovation Club Tessy Thomas Club (  
 Women in Computer Science) NextStep  
 Club

Teaching and Learning

? Teaching and Learning Specific pedagogical approaches are adopted through Quality Teaching Methodologies to motivate the students towards self learning traits which are the ultimate requirements of any recruiting company,

- Students are encouraged to undertake NPTEL Online Certifications from the Second Year onwards.
- Power point Presentations for vivid explanations
- Animated videos to bring Engineering to reality
- Execution of Miniproject to gain practical knowledge
- Seminars to students beyond the curriculum
- Concept a Day to be shared by a student with at least one technological concept
- Role plays by students
- Quiz on topics related to the course
- Online Quiz through modern tools
- Assignments with deadlines and effective utilisation of the Library resources
- Real Time Case studies
- Webinars
- Guest Lectures by Eminent from Academia and Industrialists

Examination and Evaluation

A centralised system is designed to organise Internal Assessment Tests and University Examinations. As per Anna University Regulations, the college conducts Internal Assessment Tests with Higher order Bloom's Taxonomy and also ensures the Course outcomes are satisfied. Three Internal Assessment Tests are conducted for students to examine the understanding level of the syllabus covered in each course as follows, Internal Assessment Test 1 : Unit I Internal Assessment Test 2 : Unit II and III Internal Assessment Test3 : Unit IV and V Model Examination : All Units There is effective mentoring system who ensure that students focus on their academics during these tests and also emphasise on the significance of performing well in these tests. The faculty handling

subjects for various sections of students of various departments would value the answer scripts as per Anna University norms and make the students aware of their mistakes and how to improve their presentation and performance in the ensuing Examination.

Parents are also made aware of the performance of their wards by sending SMS to their registered mobile numbers and are called for a meeting for necessary interaction. Internal marks are awarded to the students based on their performance in the Internal Assessment Tests in 3 phases spread across a semester, after which the students are prepared for the End semester University Examinations. Students are also advised to maintain an minimum attendance of 75 to attend the University Examinations

#### Research and Development

Prathyusha Engineering College always nurtures the research instinct amongst the faculty and students. There is an exclusive Research and Development Cell which concentrates on strengthening research in all the departments especially interdisciplinary research and to pursue funded research. The cell strives to receive funds from AICTE, DST, BRNS, CSIR, accreditation from SIRO, financially assisted research oriented workshops and seminars by IEEE, Funded International and National Conferences, etc. Faculty are encouraged to publish their research or review articles in referred journals indexed under SCI, Scopus and Thomson and Reuters. Faculty are also sponsored to participate in International Conference abroad and outside Chennai. Innovative projects and research are also encouraged to be extended as a patent and startups are also encouraged for the outgoing students. The Cell is also in the process of establishing an Incubation Cell for innovative Projects

There are 6 Centres of Excellence to pursue research in various domains with the following aims and objectives, 1. Educate the students using Modern Tools 2. Enable Institute - Industry Interaction 3. Enable Industry based training 4. Internships in these Industries 5. Build Employability Skills 6. Placement in these Industries 7. Build a Research oriented Environment The list of Centres of



Excellence are as follows, • IBM CAREER EDUCATION CENTRE : Training is scheduled for all Second Year students with basic software foundation skills. Advanced Courses are provided for Interested III Year students. • NATIONAL INSTRUMENTS LAB VIEW ACADEMY: Training is provided for Interested students in modules to enable certifications such as CLAD, CLD and CLA. • CISCO ACADEMY: It encourages students in Networking Courses and also enables students to get certified in CCNA courses. • ROBOTICS LEARNING CENTRE EYANTRA: This centre trains the students to build applications in automations using Embedded C with basic processors such as Arduino and other processors such as Raspberry Pi, Microcontrollers and ARM processors • CENTRE FOR RENEWABLE ENERGY NIWE: This Centre exposes the students to research oriented concepts with the development of radiation models and involvement in Green Corridor Project of SRRA. • PEC TVS HARITA TECHSERV LAB: The Mechanical Engineering Students are trained in design automotive parts using CATIA and DELMIA recent versions.

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

E-governance area	Details
<p>Examination</p>	<ul style="list-style-type: none"> <li>• The Internal Assessment Schedule, Seating Arrangement are made available at the website after receiving the Syllabus completion report</li> <li>• Maintain database / details required for Anna University and updating continuously.</li> <li>• Monitoring uploading of attendance and Internal Marks as per the requirement of AU.</li> <li>• Maintain Result Analysis, Rank List of all UG PG.</li> <li>• Maintain the cordial relationship with AU and address exam related issues for the students and faculty.</li> <li>• Plan, prepare and conduct the practical examinations as per AU schedule.</li> <li>• Maintain the cordial relation with cluster colleges for smooth conduction of theory examinations.</li> <li>• Provide the hospitality for internal and external examiners during the Anna University examinations.</li> <li>• The Internal Assessment Marks are filled in a commonly available Google sheet which is protected after entry after which result analysis is done and readily available at the Examination Cell</li> </ul>

Administration	<ul style="list-style-type: none"> <li>• Office maintains all student data related to their admission, attendance, and Scholarship etc.</li> <li>• Student fees, other finance related data is maintained through Tally software.</li> <li>• Staff profile has been maintained in a centralised system</li> <li>• Staff attendance is maintained using a centralised Biometric Attendance System</li> <li>• Transport request for students and staff are governed through google sheets shared by the Administrative Office.</li> <li>• The online feedback from the students is received through Google Forms.</li> <li>• Staff Performance Appraisal is obtained through a Google sheet shared with all the staff.</li> </ul>
Finance and Accounts	<ul style="list-style-type: none"> <li>• Accounts record is maintain on ERPTally software.</li> <li>• Online Fee payment facility is available for student.</li> <li>• Managing assets and all applicable accounting info.</li> </ul>
Student Admission and Support	<ul style="list-style-type: none"> <li>• Directorate of Technical Education offers online applications for Engineering Aspirants. Students are able to fill online option form and can do confirmation of admission by freezing institute option and reporting to PEC.</li> <li>• Institute also confirm student admission online. Institute admission form and other admission related data is available on website of institute and mobile apps.</li> <li>• Online feedback system is made available through website of institute.</li> </ul>
Planning and Development	<ul style="list-style-type: none"> <li>• Institute Vision, Mission is available on website. All activities in the institute are adhering to Vision and Mission of Institute. The following details are regularly updated in the Institute's Website, 1. Programme Outcomes of the all the programmes 2. Internal Assessment Test Schedule, Coaching class schedule. 3. Transport schedule 4. Daily activities Industry Institute Interaction, Industrial Visits, Guest Lectures, etc. Posted as upcoming events before the event and the photos are posted after the event. 5. Online Admission Portal 6. MoUs signing with industries. 7. Important announcements 8. Academic Schedule for both semesters. 9. Activity Planner 10. Individual Departments and their activities 11. Placement activities</li> <li>• The signing of MoU with the reputed industries supports to interact our</li> </ul>

faculty members with them to identify the industrial related problems. • The team from our college submits the proposal to the funding agency in collaboration with the industry to solve the identified problems.

### 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	Ms.S.Malathy	IEEE for signal processing	IEEE	7000
2018	Ms.G.Premalatha	IEEE for robotics and automation	IEEE	7000
2018	Ms.L.Vanitha	IEEE for EMC	IEEE	7000
2018	Mr.Selvaraj	IEEE for Industrial Automation	IEEE	7000
2018	Dr.P.Jayaraman	SAE INDIA	SAE INDIA	3400
2018	Dr.V.Jayaseelan	SAE INDIA	SAE INDIA	3400
2018	Dr.P.Dhasarath an	Poster presentation ' Global engage' (singapore)	Global Engage	49000
2018	Ms.V.R.Kavitha	IEEE	IEEE	7000
2018	Ms.V.R.Kavitha	CSI	CSI	1500
2018	Mr.Thamba Mesach.W	IEEE	IEEE	7000
2018	Dr.P.Chitra	IEEE	IEEE	7000
2018	Dr.M. Gopikrisnan	ARIIA NIRF WORKSHOP AT TIRUCHI	NIRF	1500
2018	Dr.M. Gopikrisnan	Role of IQAC Improving Academic and administrative Audit at RMK EC	NAAC	1000
2018	Dr.M. Gopikrisnan	Quality Enhancement through Digitisation of Teaching Learning Process Challengesand Opportunities	NAAC	1500

		at VIT.		
2018	Ms.Sornalatha	FDP on TOC at Anna University, Tirunelveli	FDP	1500
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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)
2018	Cloud Infrastructure and Services		27/11/2018	27/11/2018	7	0
2018	Enhancing Communication and Soft Skills in Higher Education		23/11/2018	23/11/2018	4	0
2018	Hands on training for antenna design		25/10/2018	25/10/2018	16	0
2018	Design of experiments		03/12/2018	03/12/2018	18	0
2018	GMD CIVIL SOLUTIONS		28/08/2018	28/08/2018	7	0
2018	PV Syst and Dialux software		27/11/2018	27/11/2018	8	0
2019	FDP ON MOLECULAR BLOTTING TECHNIQUES		10/06/2019	14/06/2019	16	1
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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
Awareness on	2	04/08/2018	04/08/2018	2

outcome based accreditation				
PHP programming	2	07/08/2018	08/08/2018	2
"Hadoop (Horton works)"(FDP)	1	20/08/2018	24/08/2018	5
Introduction about cloud computing	1	10/10/2018	11/10/2018	2
Survey on Gesture regocaoniastion system fo Deaf Dump people com	1	16/10/2018	16/10/2018	1
Digitisation of Higher Education For Quality Enhancement of TeachingLearnin g and Research	1	22/11/2018	23/11/2018	2
NHRD's Innovation cell Inauguration	1	22/11/2018	22/11/2018	1
Enhancing Communication and Soft Skills in Higher Education	5	23/11/2018	23/11/2018	1
Cloud Infrastructure and Services	7	27/11/2018	28/11/2018	2
Salesforces Essential for Businesses Specialist	5	29/11/2018	01/12/2019	3
Application of AI	5	07/03/2019	07/03/2019	1
Role of IQAC Improving Academic and administrative Audit	1	08/05/2019	08/05/2019	1
Web Development (Internship)	1	14/05/2019	18/05/2019	6
Python Framework Django (Internship)	1	24/05/2019	25/05/2019	2
Image processing using python (Internship)	1	20/05/2019	28/05/2019	8

AWS Cloud(Inter nship)	3	25/05/2019	25/05/2019	5
FDP on TOC at Anna University, Tirunelveli	1	29/04/2019	05/05/2019	5
Short term course on Construction Automation and Robotics	3	11/05/2018	16/05/2018	7
FDP on Design of Reinforced Concrete Elements	2	28/05/2018	04/06/2018	6
FDP on Hydraulic Engineering	3	28/05/2018	04/06/2018	7
International conference on Roadmap to Zero Waste by MCCI	1	09/11/2018	10/11/2018	2
Short term course on Frontiers in Microwave	2	22/10/2018	27/10/2018	7
Short term course on construction automation and robotics	3	11/05/2018	16/05/2018	7
National level workshop on quality enhancement in assessment and evaluation methodology of learning in higher education institution.	1	30/04/2019	30/04/2019	1
Hands on training in artificial neural network using MATLAB	2	03/08/2019	04/08/2019	2
Internet of things for real time applications case study approach	2	23/05/2019	25/05/2019	3

Bigdata Analytics Using Hadoop(Internship)	5	01/06/2018	08/06/2018	8
Ionic Framework (Internship)	3	01/06/2018	08/06/2018	8
Web App Development(Internship)	1	04/06/2018	08/06/2018	5
Introduction To Cloud Computing And Amazon Webservice	1	11/06/2018	15/06/2018	8
BIG Data Analytics by ICT(FDP)	2	25/07/2018	26/07/2018	2
TTT on Data Visualisation Tool by Infosys	3	25/07/2018	27/07/2018	3
Guidelines for Drafting Research Proposal Patent and Journal	5	03/08/2018	03/08/2018	1
National level workshop on recent trends in fabrication and characterization of nano composites related to compact vehicle components FDP on Engineering Graphics	3	27/07/2018	28/07/2018	2
National level workshop on recent trends in fabrication and characterization of nano composites related to compact vehicle components	3	05/07/2018	06/07/2018	2
National Conference on Recent Trends in Applied Sciences and Computing	1	18/05/2019	18/05/2019	1
Orion elektrik	1	01/06/2018	08/06/2018	8

controls pvt.ltd (Internship)				
Microcutting Dies PVT Ltd (Internship)	1	06/05/2019	18/05/2019	12
AICTE sponsored FDP For students induction at Easwari Engineering college	1	15/11/2018	17/11/2018	3
AICTE sponsored FDP For students induction at Easwari Engineering college	1	03/12/2018	09/12/2018	7
FDP on ROBOTICS at Sri Sairam Engg college	1	13/05/2018	18/05/2018	6
Tube Products of india (Internship)	1	10/11/2018	11/11/2018	2
EDII Guindy (FDP)	2	03/12/2018	09/12/2018	7
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
97	97	14	14

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Diwali gift Cash award for 100 and 95 received faculty	Diwali gift	Sivaramaiah award for students for securing CGPA above 8.5

**6.4 – Financial Management and Resource Mobilization**

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

<p>Yes, Statutory Audit is conducted by the practising Chartered Accountant, appointed by the Managing Committee of the Trust. Audit is normally conducted during August / September every year. CA checks and verifies all books of accounts relevant to their audit and submitted the Financials and Notes on accounts, to the Managing Committee.</p>
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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



PMKVY ALUMNI INDIVIDUAL	531200	Skill development student welfare
No file uploaded.		

6.4.3 – Total corpus fund generated

4802000
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## 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	ANNA UNIVERSITY	Yes	Principal IQAC Coordinator
Administrative	Yes	Chartered Accountant	Yes	Principal Committee

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

1) Mentor Meeting - Once in a semester. 2) Internal Assessment Analysis Four times in a semester 3) Induction day - Once in a year.
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6.5.3 – Development programmes for support staff (at least three)

? Support staffs are motivated to take participation in skill development program like PMKVY. ? For the supportive staff at college level Training programmes on computer applications, filing etc., are organized periodically. ? Insurance of all Non teaching staff.
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6.5.4 – Post Accreditation initiative(s) (mention at least three)

? Every year institute is organising International Conference to improve research culture in the Institute. Students and faculties from institute as well as from outside the institute used to present their Research paper. ? To promote project based learning Project Exhibition is organised every year ? Students are encouraged for student's internship programs.
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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
2018	Project Exhibition	18/02/2019	18/02/2019	18/02/2019	240
2018	Outcome Based Education and NBA Accreditation	13/08/2018	13/08/2018	13/08/2018	174
2018	Workshop for COPO	27/08/2018	27/08/2018	27/08/2018	126

	assessment and attainment				
2019	Training program for New NBA Guidelines	11/02/2019	11/02/2019	11/02/2019	110
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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
Womens Day Celebration	11/03/2019	11/03/2019	74	0
Yoga- Practice of quieting the mind	07/07/2019	07/07/2019	610	1064

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
<ul style="list-style-type: none"> <li>• 50 of the energy consumption is met by a 250KW Grid Connected Rooftop Solar PV Panel.</li> <li>• CFL Bulbs are replaced by LED Lights</li> <li>• Green Environment by planting more number of saplings and trees</li> <li>• Efficient usage of water by recycling</li> <li>• Ecosystem balancing by using kitchen and food waste to produce natural fertilizers</li> </ul>

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1850
Provision for lift	No	0
Ramp/Rails	Yes	4
Rest Rooms	Yes	2

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
2019	2	1	01/07/2019	10	SWACCH BHARAT IN TERNSHIP PROGRAM	CLEANLINE SS PROGRAMME AT KOPPUR VILLAGE	36

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

Title	Date of publication	Follow up(max 100 words)
Undertaking Bookle	01/06/2018	Instructions for various undertakings are provided in the HandBook and individual undertakings for the Dayscholars and Hostellers are given during Induction Day which have to returned to the respective mentors after signing. This Booklet consists of the following, 1. Undertaking for gadget usage 2. Affidavit for Ragging 3. Undertaking for Hostel Students 4. Career Option form and respective Undertaking form.
HandBook for the Inducted students every year	01/07/2018	A handbook consisting of all data regarding the facilities available, reachable contacts for any emergencies (Antiragging, Transport, Class Advisor, Mentor, HOD, etc.) are provided to the students during the induction Day. This handout also contains Anna University Rules and Regulations along with the rules to followed within the campus. The instructions for usage of electronic gadgets are also attached in the Handout. The Academic Schedule for the I Semester students is attached in the Handout.
Hostel Rules Book	01/06/2018	The Hostel Rules Book consisting of the Personal information of the student, facilities available in the Hostel, Leave rules and other rules to be followed in the Hostel to continuously avail the Hostel facilities are issued to the students during their admission to the Hostel

## 7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Workshop on Biomedical signal analysis during YOGA	07/07/2019	07/07/2019	1674
Entrepreneurship Awareness Camp	21/01/2019	23/01/2019	25
A successful Entrepreneur Prospects and Pathways.Guest Lecture	25/07/2018	25/07/2018	25
First Leadership Talk by Shri. Anand Mahindra, Chairman, Mahindra Group	08/01/2019	08/01/2019	15
Workshop on IPR for Students and Faculty Members	10/01/2019	10/01/2019	15
Offline workshop on IPR for Students and Faculty Members	11/01/2019	11/01/2019	20
Episode 02 of India First Leadership Talk with Dr.Anand Deshpande, CMD, Persistent Systems Ltd.	21/01/2019	24/01/2019	25
Episode 03 of India First Leadership Talk th Dr. Ajit Doval, NSA, Govt. of india	21/02/2019	21/02/2019	25
Episode 04 of India First Leadership Talk with with Prof. Anil D. Sahasrabudhe, Chairman, AICTE	10/04/2019	10/04/2019	20
Workshop on Cognitive Skills, Design Thinking and Critical Thinking using local resource persons	09/04/2019	09/04/2019	20
"Teach girl bravery with perfection" seminar for girls by Dr.Vasanthakumari, Psychiatrist and	19/08/2019	19/08/2019	62

Counsellor			
"Yoga Practice of quieting my mind", by Ms.A.Vasanthi, Yoga Trainer	17/07/2019	17/07/2019	62
"Learn from Life" motivational talk by Mr.Anna Durai, Founder of Amazing Auto	25/01/2019	25/01/2019	152
"Leveraging Data Analytics to decipher insights In Agriculture Industry" by Mr.Prakash Malmarugan, Senior Solution Architect, Oneglobe Systems	22/08/2019	22/08/2019	34
"Artificial Intelligence in Agriculture" seminar by Mr.Karthik Ravishankar, Founder, Farm Associates	18/08/2018	18/08/2018	34
Mushroom cultivation	15/07/2018	16/07/2019	120
Awareness on patent registration by Dr.Nagaraj kupta	07/01/2019	07/01/2019	146
Leadership qualities by Mehendra ,GM	08/01/2019	08/01/2019	146
Brief patent right webinar by Dr.Padmapriya	27/08/2019	27/08/2019	113

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

? Implementation of Rainwater Harvesting System ? Implementation of Sewage Treatment Plant to treat and reuse waste water for plantation ? Implementation of Solid waste Management System ? Green environment consciousness is ensured with Sewage Treatment Plant and Recycling plants, Rain Water harvesting in all buildings and having more than 850 trees on campus.

**7.2 – Best Practices**

7.2.1 – Describe at least two institutional best practices

? Implementation of Rainwater Harvesting System ? Implementation of Sewage Treatment Plant to treat and reuse waste water for plantation ? Implementation of Solid waste Management System ? Green environment consciousness is ensured with Sewage Treatment Plant and Recycling plants, Rain Water harvesting in all buildings and having more than 850 trees on campus.

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

institution website, provide the link

### 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

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust Provide the weblink of the institution in not more than 500 words Prathyusha Engineering College is led by a visionary Chairman, Sri. P. Raja Rao who has a broad vision of providing Quality Education to the students enabling them to be dynamic professionals in their areas of interest in their career. The Teaching - Learning process is implemented effectively by visualizing concepts in the designed curriculum through value based learning and innovative teaching methodologies introduced by Dr. P.L.N. Ramesh, our dynamic Principal. There are 56 Technical clubs - Software and Core Domain Clubs spread across all the available disciplines of Engineering and students are provided with a learningenabled environment. The Industry Expert Interactions organized in association with eminent industries and organizations like IBM India Pvt. Ltd., Glosys, Wipro Technologies, etc. trigger the critical thinking of the students towards a real time environment. Handsontaining/ Workshops handling software and hardware tools with recent technologies in various domains are scheduled meticulously in alignment with their curriculum and beyond the curriculum. These programmes train the students internally to compete globally in various National Level Project/ Coding Contests held in various leading organizations like IIT, NIT, etc. Internal Coding Contests and Miniproject contests are organized every semester which ensure that all the students execute at least one mini project per semester in their field of interest by experimenting on what they have learnt. This effort obviously enhances their confidence level right from their second semester onwards towards their final year project. They also improve their presentation and documentation skills simultaneously, the outcome of which they are moulded with Professional ethics and responsibility. Students also attend webinars conducted by IEEE professionals and technical professionals and interact actively with the resource persons thereby widening their practical knowledge. Every Technical Club encourages interested students to undergo online certifications in various courses like Basic foundation courses in Matlab, R Tool Programming, Machine Learning, Python Programming. Hence, the students are able to confidently build their profile with the Stateoftheart infrastructure and the learning environment facilitated by the experienced faculty in various areas of specialization. The Student members of Technical Clubs are also members of Professional Societies such as IEEE, CSI, SAE, IE(I) etc. which encourage students to organize technical events and this commitment broadens their contacts, strengthens their leadership skills and sharpens their creativity. These Technical Clubs also motivate the entrepreneurially inclined students to design and develop innovative products as business models towards start ups funded partially by the institution. There are also 7 Centres of Excellence which additionally train the students with International Level Certifications like CLAD, CLD, etc. which naturally fetch them bright career opportunities in Core Industries. The continuous association with Industries through such activities attract internship and recruitment of the meritorious students. Hence, students graduating from the college are equipped with employability and entrepreneurship skills and emerge as successful Engineers in all disciplines.

Provide the weblink of the institution

<http://www.prathyusha.edu.in>

## 8.Future Plans of Actions for Next Academic Year

1. Increase University ranks 2. Faculty members and students are motivated to publish research papers(Interdiscipline area) 3. Faculty members and students are motivated to do higher studies. 4. Institute has planned to encourage more number of faculties to complete their doctorate or at least register for the same. 5. Participation of students in national/international events. 6. Train the students in upcoming technologies to meet industry expectations. 7. Get more Funded projects from funding agencies. 8. Conduct of department activities by renowned alumni, professional bodies and MOU. 9. Strengthening the industry institute interaction by conducting various events such as guest lectures, industrial visit, workshop and faculty development programmes. 10. Students are motivated to involve in social relevant projects and activities. 11. Organise environmental awareness, personality development and entrepreneurship development programmes. 12. The institute has planned to increase the certification of NPTEL courses by more number of students as well as faculties. 13. Institute has planned to contribute in social activities by arranging the camp in rural area through NSS (National Service Scheme) cell. With the conduction of this camp various social awareness programs will be conducted with active participation of the student coordinators.