



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

## **PRATHYUSHA ENGINEERING COLLEGE**

PRATHYUSHA ENGINEERING COLLEGE POONAMALLEE - TIRUVALLUR  
ROAD, ARANVAYAL KUPPAM VILLAGE, ARANVAYAL POST, THIRUVALLUR  
TALUK-602025

602025

[www.prathyusha.edu.in](http://www.prathyusha.edu.in)

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Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**April 2021**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Prathyusha Engineering College, a Telugu Minority College, a Wifi enabled campus, was established during 2001 by the philanthropist Sri.P. Raja Rao with a vision to impart quality education especially to students hailing from rural areas.

The College is affiliated to Anna University with 9 UG programmes and 4 PG programmes which include B.Tech.- Biotechnology, B.E.- Civil Engineering, B.E.- Computer Science and Engineering, B.Tech.- Artificial Intelligence and Data Science, B.E.- Electronics and Communication Engineering, B.E.- Electrical and Electronics Engineering, B.Tech.- Information Technology, B.E.- Mechanical Engineering, B.E.- Mechatronics Engineering, M.E.- Structural Engineering, M.E.- Computer Science and Engineering, M.E.- Communication Systems, M.Tech.- Biotechnology out of which B.Tech.- Biotechnology, B.E.- Computer Science and Engineering, B.E.- Electronics and Communication Engineering, B.E.- Electrical and Electronics Engineering are permanently affiliated and accredited by NBA. Anna University has recognized the departments of Computer Science and Engineering and Electronics and Communication Engineering as research centres to pursue Ph.D. The College is recognised by UGC under section 2(f) and 12(B) of the UGC Act 1956. The College is accredited by NAAC with A Grade.

The college has received 5 star rating by MHRD 2018-19 and 2019-20 and has been ranked amongst top 25 self-financing institutions in ATAL during 2019. The Research and Development Cell and the Innovation cell designs programmes to inculcate the research and innovation culture amongst the students. The college has initiated and nurtured the innovation skills of students which has resulted with students emerging as winners in the National Level Smart India Hackathon 2019 and subsequently during 2020 in the Hardware editions. Students are also trained to build Entrepreneurship skills that would enable them towards initiation of Start Ups through an exclusive Entrepreneurship Development Cell. The college has also been sanctioned the Incubation Centre under MHRD.

Placement and Training Cell the students are trained towards Placements. Students are honed with interview skills such as Soft skills, aptitude skills and Technical Skills right from the first year to make them industry ready.

In addition, programs relevant to Professional Ethics, Gender Equity, Environment Awareness etc. are imbibed by the students to emerge as responsible professional citizens.

### **Vision**

To emerge as a premier technical and engineering institution in the country by imparting Quality Education and thus facilitate our students to blossom into dynamic professional so that they play a vital role for the progress of the nation and for a peaceful co-existence of our fellow human being.

### **Mission**

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

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

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- Visionary management.
- Dedicated, well-qualified and competent faculty.
- Serene Campus with more greenery.
- Secured NAAC A Grade accreditation in 2015-16.
- Innovation Cell has received 5 Star rating by MHRD 2018-19 and 2019-20.
- Ranked among top 25 Self-financing colleges.
- MoUs with various MNCs.
- Anna University approved research centres in department of CSE and ECE.
- NPTEL chapter of the Institution has secured AA ratings since 2017.
- Robust mentoring system.
- Institution practices decentralized governance.
- Academic performance of the Institution is highly commendable.
- Practical exposure of the theoretical concepts is guaranteed through Industrial Visits, lab based teaching, mini projects and workshops.
- Technical clubs and Centres of Learning.
- Project based learning.
- Activity based Learning.
- Placement oriented Training and skill development.
- Committed placement department.
- Entrepreneurship Development Cell.
- Women Empowerment cell.

### Institutional Weakness

Our Institution takes proactive measures to improve the quality of teaching, learning, and research. Though the institute has scripted many success stories in academics, there are certain areas in which it needs to make a move forward.

The following areas require additional attention and significant improvement:

- Attracting more core companies to campus for recruitment to offer high package job profiles.
- Getting research grants from external funding agencies and filing of Patent Grants.
- Enhance synergy between the various disciplines of engineering for developing Interdisciplinary R&D projects.
- Enhance alumni contributions for various developmental activities.

### **Institutional Opportunity**

The Institution has the capacity to evolve to the next level with more success stories in the years ahead by taking due advantage of the following opportunities:

- Management's progressive approach and commitment towards the quality technical education.
- MoU with NIWE for SRRA at the campus that provides opportunity for doing research related to climatic conditions and environment analysis, joint publication of research papers and patents.
- Students and faculty are developing innovative projects for various societal requirements. This can be further developed into quality publications in indexed journals and patents.
- The college has adequate infrastructure to integrate technology into education for twenty-first-century digital learners.
- Faculty are encouraged to acquire additional skills by means attending FDPs, workshops, internships and online courses.
- MoU's with MNCs are providing timely inputs to the teaching fraternity as well as students regarding the changing expectations of the Industries. Students can be prepared to meet these changing requirements.
- Industry Experts Interactions through Technical clubs give opportunity for students to understand the technology evolution taking place in the real world.

### **Institutional Challenge**

- Transforming the mind-set of students from the conventional learning methods in schools to varied learning methods to educate Engineering Skills and Life Skills.
- Difficult to adapt quickly to the changing technologies since the academic curriculum is prescribed by the affiliating University.
- To get support from Industries in doing domain projects.
- Fast changing world and technologies demand for constant skill upgradation of faculty.
- Changing scenarios in the modern world requires the students to be trained to manage varied complexities and uncertainties.
- Imparting multidimensional capabilities to students.
- Improving the employability of the students for rapidly changing technology and industrial requirements as well as policies prevailing from time to time in MNCs.
- Family Background of the parents and involving them to get their support in the student development activities.
- Societal and culture change in the real world poses a big challenge in setting the minds of the students with right attitude and ethics.

## 1.3 CRITERIA WISE SUMMARY

### Curricular Aspects

The college is affiliated to Anna University (AU, Chennai) with 9 UG Programmes and 4 PG Programmes. It also offers Ph.D programmes as a recognized Anna University Research Centre in Computer Science and Electronics and Communication Engineering. The college is accredited by NAAC with A grade and ECE, EEE, CSE and BT being accredited by NBA. The Institution is affiliated to Anna University with BT, ECE, CSE and EEE with permanent affiliation and follows the curriculum prescribed by the Anna University.

The college strives to provide effective delivery to the students to attain Program outcomes through a well planned process of deriving the academic calendar adhering to the Anna University Academic Schedule and Assessment schedule. Additional co-curricular and extracurricular activities are conducted to ensure knowledge updation. All the programmes are Choice based Credit system with Open Electives, Professional Electives, Professional Core, Employability Enhancement Courses, Basic Sciences, Engineering Sciences and Humanities and Sciences. Anna University has introduced additional laboratories with additional credits and has also introduced value added courses which are proposed to be undertaken by the students that would enable them to be industry ready. Students also undertake projects during their final year in their UG and PG programmes that enable them to apply their theoretical knowledge practically.

Courses with crosscutting issues like Environmental studies, Human Values and Professional Ethics are included in the curriculum with practical exposure of students in NSS, Women Empowerment Programme, Environment awareness programmes etc.. For the development of students, the institute arranges add on courses and certificate programmes initiated by the 56 technical clubs across all the programmes which comprise of guest lectures, seminars, workshops, hands on training and International Certifications. Feedback on Syllabus and recommendations to improve the syllabus is received from students, parents, alumni and Employers (feedback forms are available on the website) and their responses are analysed and utilized in the design of add on courses and inclusion of certifications by external organisations as well as by the faculty after approval from the Governing Council.

### Teaching-learning and Evaluation

#### Executive Summary Criteria 2

The Institution caters to the needs of the student's diversity in the context of the learning levels of the students. The students are identified during the first year by analyzing their cutoff and a questionnaire to identify their learning styles. The students are categorized as Advanced learners and slow learners. The Advanced learners are encouraged to undertake NPTEL courses and prepare for GATE exams if they are interested in higher studies or Government jobs, GRE/IELTS/TOEFL exams if they opt for higher studies abroad and basic foundation certificate courses in technical aspects through technical clubs. The slow learners are trained to cope up with the standards of the other students through special classes in English, Mathematics and courses in which they lack understanding. Participative learning is designed as a strategy to bring out the hidden skills of the students and to empower them.

The internal assessment tests are scheduled in alignment with the Institution academic calendar which is in adherence with the University Academic schedule. The Examination Cell addresses various grievances of the students with reference to the external Examinations in terms of their Hall Ticket, Name change in the mark

sheet, application for revaluation and its marks, Application for duplicate mark sheet etc. through the Department Examination Coordinators.

The Programme outcomes of all the programmes are displayed at prominent places in the respective departments and also displayed in the website. The course outcomes are displayed in the website and are disseminated to the students during the conduct of the courses. The formulation of the course outcomes is made through the Academic Advisory Committee and the Academic Council members and approved by the Principal for the display of the same in the website which is also circulated amongst the all the staff for information. Programme Outcomes are the attributes that should be possessed by each and every graduate and hence the attainment of Graduate attributes are evaluated every year and the evaluation is calculated for further enhancement in association with the Advisory Committee Members. The programme outcomes are assessed through direct and indirect assessment methods.

### **Research, Innovations and Extension**

Prathyusha Engineering College has five members Research Committee comprising of senior faculty members deeply involved in research. Anna University approved CSE and ECE department as research centre. Five members are recognized as supervisor by the Anna University, Chennai to carry research work leading to PhD Degree. Students are encouraged to incorporate research culture and learn project based methods. They are also encouraged to write research paper, joint research with faculty members and present in conferences. PEC students are encouraged to do live projects with professional bodies and signed industrial houses. Financial support nearly 1.9 crore is received from the AICTE/TNSCST/DST and non-government agency for carrying the research studies with 63% of department involvement.

The institution has created a ecosystem for research, entrepreneur and centre of excellence to share views. PEC provides a platform with eminent experts from academician and industry to have active interaction with students/ staff for updating of current trends through conferences/workshop/seminar etc. Last 5 years PEC organized 62 events for knowledge updating other than regular curriculum. Many teachers (19 members) have registered Ph.D programme in reputed university. Most of the faculty published research articles (359 no's) in reputed UGC/Scopus indexed journals and conference papers (94 no's).

Prathyusha Engineering College has been promoting the participation of students (79%) and faculty in extension activities by organizing: Blood Donation Camp in campus every year, Environmental awareness programmes and activity based learning. Collaborations with pioneer organization (18 MOU's) are made for training students /staff and carryout research based on society needs. The collaborative organization provides industrial exposure / hands on training/ field visit to the students in the college.

### **Infrastructure and Learning Resources**

The college has adequate infrastructure that is spread across a vast area of 36.33 acres of lush green

environment with a built-up area of 46265.79 Sq. meters. The institution provides admirable infrastructural facilities for the teaching-learning experiences and rolls-out value-added programmes & activities like Technical & Non-Technical Clubs, Activity based learning, Laboratory oriented theory classes which bridges the gaps in academic teaching and in par with industry requirements. 35 Classrooms are equipped with all necessary ICT facilities to enhance the teaching learning process. 7 Seminar halls equipped with ultra-modern LCD projector, computer workstation, audio-visual facilities and wireless Internet facilities.

The Institution has provided both an indoor and outdoor games for the students to excel in sports of their own interest. A fully equipped gymnasium are in both boys' and girls' hostel to keep themselves healthy and fit. Every year, Cultural activities of the students are encouraged by the College since that provokes the students' happiness factor in an elevated manner. In this connection, the infrastructural facilities of our College pave a marvelous pathway towards the professional organizing of events.

The Library is Spacious, well ventilated well lighted with a total area of 1745 sq.m. Open Access System is followed in the library. The total collection of the college library is 13393 titles, 61716 Volumes and subscribes to 251 journals. The library provides access to an extensive range of informative resources like books, e-books, journals, e-journals, newspapers and access to wide range of resources to improve the knowledge and thought process of the academic fraternity and students.

The college provides computer facilities to the students to learn experimentally and also to gain access to the cutting-edge technologies in the IT world. These systems have excellent networking facilities with additional Wi-Fi routers in each block. All the laboratories, computers, printers, projectors, UPS and its accessories are maintained fully functional by a dedicated in-house service team available in the Institution. In-house electrical technical staffs are available to manage and maintain the requirements at all labs.

### **Student Support and Progression**

The Students are encouraged to study the Engineering program by providing scholarship from the government as well as institutions. Students who are good in academics and securing more than 8.5 CGPA are encouraged by giving the scholarship under Sri Sivaramaya Scholarship Scheme. Apart from the curriculum, student's skills are enhanced by conducting various activities like Soft skills, Language and Communication skills, ICT/Computing skills and Life skills such as Yoga, Hygiene, Physical fitness and Women Empowerment. The above activities will mould the students in both technical skills as well as leadership quality.

The institution has a various redressal committee such as student grievances including sexual harassment and anti-ragging. Through this, periodically meetings are conducted to address about the student's grievances in all aspects and remedial actions will be taken immediately for the welfare of the student's community.

Students are motivated to undergo higher education in reputed institution. In this regard, the institution was organizing the awareness programs and various coaching programs like GATE, IELTS, GRE, TOEFL and UPSC. Through these programs, students got opportunity to study in reputed universities.

The institution takes necessary steps to place our students in good company. Regarding placement, suitable training activities were conducted like Aptitude, Soft skills and personality development skills through our Training and placement cell. Our students got placed in various companies like TCS, CTS, Infosys, Accenture,

IBM, ZOHO and Tech Mahindra etc., with good packages.

The Students are encouraged to participate in various sports and cultural events organized by the other institutions and our institution. Students have participated in various inter-collegiate and Anna University Zonal Tournaments and won the medals.

Various events like Activity Based Learning, Technical Premier League and Entrepreneurship Development Cell activities were organized by the students for enhancing their leadership and management skills.

Our Eminent Alumni's interacted with our students to share their industrial experience and also to give proper guidelines to work towards industry expectations. The institution invites the alumni as a guest for the academic and career related activities.

## **Governance, Leadership and Management**

### **• 6- Governance, Leadership and Management**

- The Chairman and the Governing council guides the administrative team to work in consonance with the Mission and Vision of the Institution.
- The Governing Council meet periodically to assess the progress and recommend strategies.
- Principal heads the academic and administrative setup
- The Principal and the HODs meet frequently to analyze the consistent progress in academics, placement training, skill development, co-curricular and extra-curricular activities as well as research and development activities.
- HoDs plan the Annual Budget of respective departments
- Staff and students provide feedback and suggestions to enhance the practices of the Institution during class committee meetings and department meetings.
- Infrastructure of the Institution is steadily improved to cater to the contemporary requirements - an example of perspective/strategic plan.
- Implementation of Project Based and activity based learning methodologies towards empowering the youth by providing professional leadership.
- Administrative setup of the Institution is decentralized through various committees for effective execution and outcome.
- Effective e-governance is in place for admission, administration, library management, accounts, information dissemination to the stake holders.
- Funded have been received from IEEE, AICTE and other non-Government agencies to conduct various skill development activities like Workshops, Seminars, Conferences and HACKATHONS for students.
- 76% of faculty on an average are attending Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course etc
- 10 programmes on an average are arranged per year for professional development of staff.
- 8.02% of teachers provided with financial support for attending conferences etc.
- Effective Performance appraisal and follow-up system in place.
- Rs.4.62 Lakhs received as grants from non-governmental bodies/individuals.
- Effective staff appraisal system is in place to assess the strength and weakness of each staff and to encourage them for improvement in academic performance, mentoring, R & D and other activities.
- Well established IQAC is in the Institution that focuses on the continuous improvement of all teaching and learning process and other skill development activities. Regular audit by IQAC ensure the process



adherence in every activity at all levels.

### **Institutional Values and Best Practices**

The Institution ensures that there is a peaceful and harmonious ambience to provide a confident atmosphere to our students. Facilities provided for female students and staff to feel comfortable during their regular hours in the campus. There are counseling rooms and common room for both male and female separately. Solid, liquid and e-waste are managed in line with green building standards. Rain water harvesting system has been installed at various points in our College and hostels. All green practices to reduce pollution are adopted. Facilities for physically handicapped like ramps, toilets are provided in the institution.

The college organizes periodical NSS camp to inculcate the values of plantation, plastic free environment and beyond the campus promotional activities among the students and the faculties. Various committees have been constituted to address different issues like anti-ragging, sexual harassment, hygiene and sanitation, etc., Code of conduct for staff and students is made available online in the college portal. Events for promoting truth, love, nonviolence and peace are organized. The best practices like Activity Based Learning and Technical Premier League were conducted periodically for the welfare of students. The holistic professional development of students through training and technical clubs are the Institutional Distinctiveness. The training department identifies the requirements of various industries while recruiting freshers and plans for equipping the students towards meeting the expectations of recruiters. Technical Clubs are unique of its kind and is a platform focusing on equipping the students with the necessary expertise in the domains of the students interest.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	PRATHYUSHA ENGINEERING COLLEGE
Address	PRATHYUSHA ENGINEERING COLLEGE POONAMALLEE - TIRUVALLUR ROAD, ARANVAYAL KUPPAM VILLAGE, ARANVAYAL POST, THIRUVALLUR TALUK-602025
City	TIRUVALLUR
State	Tamil Nadu
Pin	602025
Website	<a href="http://www.prathyusha.edu.in">www.prathyusha.edu.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Ramesh P.l.n	044-37673701	8939908019	044-37673703	principal@prathyusha.edu.in
IQAC / CIQA coordinator	Gopikrishnan M	044-37673702	9941870778	044-37673763	gopikrishnan.cse@prathyusha.edu.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

<b>Recognized Minority institution</b>	
If it is a recognized minority institution	Yes <a href="#">Minority certificate.pdf</a>
If Yes, Specify minority status	
Religious	
Linguistic	
Any Other	

<b>Establishment Details</b>				
Date of establishment of the college	01-06-2001			
<b>University to which the college is affiliated/ or which governs the college (if it is a constituent college)</b>				
<b>State</b>	<b>University name</b>	<b>Document</b>		
Tamil Nadu	Anna University	<a href="#">View Document</a>		
<b>Details of UGC recognition</b>				
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>		
2f of UGC	10-09-2015	<a href="#">View Document</a>		
12B of UGC	10-09-2015	<a href="#">View Document</a>		
<b>Details of recognition/approval by stationary/regulatory bodies like AICTE, NCTE, MCI, DCI, PCI, RCI etc (other than UGC)</b>				
<b>Statutory Regulatory Authority</b>	<b>Recognition/Approval details Institution/Department programme</b>	<b>Day, Month and year (dd-mm-yyyy)</b>	<b>Validity in months</b>	<b>Remarks</b>
AICTE	<a href="#">View Document</a>	15-06-2020	4	

<b>Details of autonomy</b>	
Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No

<b>Recognitions</b>	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	PRATHYUSHA ENGINEERING COLLEGE POONAMALLEE - TIRUVALLUR ROAD, ARANVAYAL KUPPAM VILLAGE, ARANVAYAL POST, THIRUVALLUR TALUK-602025	Semi-urban	36.33	47587

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BTech,Biotechnology	48	PLUS TWO	English	60	32
UG	BE,Computer Science And Engineering	48	PLUS TWO	English	120	106
UG	BE,Electrical And Electronics Engineering	48	PLUS TWO	English	30	4
UG	BE,Electronics And Communication Engineering	48	PLUS TWO	English	120	41

UG	BE,Civil Engineering	48	PLUS TWO	English	30	3
UG	BE,Mechanical Engineering	48	PLUS TWO	English	60	19
UG	BTech,Information Technology	48	PLUS TWO	English	60	55
UG	BTech,Artificial Intelligence And Data Science	48	PLUS TWO	English	60	26
UG	BE,Mechatronics	48	PLUS TWO	English	30	4
PG	Mtech,Biotechnology	24	B.TECH	English	18	8
PG	ME,Computer Science And Engineering	24	B.E	English	18	5
PG	ME,Electronics And Communication Engineering	24	B.E	English	18	2
PG	ME,Civil Engineering	24	B.E	English	18	5
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	72	M.E M.TECH	English	11	0
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	72	M.E. M.TECH	English	11	0

### Position Details of Faculty & Staff in the College

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	16				24				111			
Recruited	11	5	0	16	11	13	0	24	52	59	0	111
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	17				25				113			
Recruited	12	5	0	17	12	13	0	25	53	60	0	113
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				73
Recruited	43	30	0	73
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				74
Recruited	43	31	0	74
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				13
Recruited	11	2	0	13
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				0
Recruited	17	2	0	19
Yet to Recruit				0

**Qualification Details of the Teaching Staff**

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Male</b>	<b>Female</b>	<b>Others</b>	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	13	7	0	7	7	0	1	2	0	37
M.Phil.	0	0	0	0	0	0	9	9	0	18
PG	0	0	0	5	7	0	40	48	0	100

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**



Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
Doctoral (Ph.D)	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0
PG	Male	4	2	0	0	6
	Female	14	0	0	0	14
	Others	0	0	0	0	0
UG	Male	131	69	0	0	200
	Female	64	27	0	0	91
	Others	0	0	0	0	0

**Provide the Following Details of Students admitted to the College During the last four Academic Years**

Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	14	4	13	17
	Female	8	9	3	7
	Others	0	0	0	0
ST	Male	1	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
OBC	Male	144	71	86	106
	Female	79	44	52	53
	Others	0	0	0	0
General	Male	106	150	165	83
	Female	61	68	69	43
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		413	346	388	309

## Extended Profile

### 1 Program

#### 1.1

Number of courses offered by the Institution across all programs during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
384	385	403	427	445
File Description		Document		
Institutional data prescribed format		<a href="#">View Document</a>		

#### 1.2

Number of programs offered year-wise for last five years

2019-20	2018-19	2017-18	2016-17	2015-16
12	10	10	10	12

### 2 Students

#### 2.1

Number of students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
1511	1627	1965	2291	2804
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
419	420	420	460	553

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 2.3

#### Number of outgoing / final year students year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
370	477	645	732	887

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 3 Teachers

### 3.1

#### Number of full time teachers year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
141	149	186	224	260

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

### 3.2

#### Number of sanctioned posts year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
122	132	150	173	245

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

## 4 Institution

### 4.1

#### Total number of classrooms and seminar halls

**Response: 53**

**4.2**

**Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
1054.37	892.64	1012.92	1180.55	1396.61

**4.3**

**Number of Computers**

**Response: 862**

NAAC

## 4. Quality Indicator Framework(QIF)

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### Criterion 1 - Curricular Aspects

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#### 1.1 Curricular Planning and Implementation

##### 1.1.1 The Institution ensures effective curriculum delivery through a well planned and documented process

###### Response:

The Institution being affiliated to Anna University, Chennai receives the academic schedule for each semester every year based on which the academic calendar is scheduled for the whole institution. The departments plan their academic activities and their course plan accordingly to effectively deliver the course content to the students. The faculty meticulously schedule their delivery methods employing ICT tools and technology led learning. The process is monitored and evaluated through Class Committee Meetings, Internal Audits and Mentor reports from which critical feedback analysis is performed to improve the academic performance of the students and also to impart knowledge and attain expected course outcomes from all the students belonging to all levels of learning styles.

The lesson plan is validated by the Course Experts and also during the Department Advisory Board meetings whose members are experts from the Industry and the Academia. The Course Experts are identified by the competency of the faculty and the course coordinator guides the course handling faculty in the accurate delivery of the course and assessment of the students. Technical advice is provided to improve the standard of learning of the slow learners through innovative methods. It is ensured to include additional topics beyond the syllabus and courses relevant to NPTEL courses are identified whose links are shared with the students to enhance their understanding level of the course. It is also ensured that innovative teaching methodologies such as Industrial Visits, Students seminars, case studies and webinars are used for certain courses. The effectiveness of the innovative technologies are evaluated using survey questionnaire and feedback forms sent to the students. The delivery of courses related to Human Values, Ethics, Environmental Studies and Social Responsibilities would be through Field visits and social responsible activities.

Content beyond the curriculum is also imparted to the students through Industry Institute linked activities by Technical Clubs across all the departments which includes centers of Learning. These Technical Clubs in association with the industries train the students practically suiting the Industry needs and prepare the students with Industry readiness. There are sufficient Industry Institute interactions between the students and the industry experts to broaden the knowledge of the students enabling the students to identify their specific interests and to narrow down their specialization accordingly. This initiative directs the students to undertake projects in their areas of interests starting with miniprojects from the second semester onwards and finally their Project work.

Interview Skills are also built within the students before their interviews well in advance from the First Year onwards by including Soft Skills, Aptitude, Basic Programming Skills and technical skills which are included in their curriculum as additional skills training. There are also Alumni Interaction sessions with the students to enhance the internetworking amongst the students also to instill the engineering fervor in

them. For effective curriculum delivery towards the Course outcome and Programme Outcome attainment of all the students every year.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

#### Response:

The institution designs the Academic schedule of the students of various years of study adhering to the academic schedule and the Internal Assessment Test schedule prescribed by the affiliating University.

The Internal Assessment schedule is arrived at by the Examination Cell based on the completion of the syllabus prescribed by the University. There are four Internal Assessment Tests conducted after the completion of two units each and the final Internal Assessment Test is conducted after the completion of all the five units. Enough revision time is ensured before the University Theory and Practical Examinations. Timetable is framed for each year of study based on the credit of the course and its complexity. The activities of the college are planned adhering to the academic schedule prescribed by the University which include co-curricular activities, extra-curricular activities and technical activities to transform the admitted student into a full-fledged professional within the four years of the course.

Special coaching classes are arranged for the slow learners to enable them to attain the minimum course outcome and to make them employable. Effective training is being scheduled for all students by the Training and Placement Cell right from the First year onwards to enhance their employability skills. Also Project and Mini project exhibitions are conducted where all the students are encouraged to exhibit their skills technically. Additionally cultural and sports events are organised as Activity based Learning events where students build their leadership and teamwork skills. Social relevant activities are also planned such as NSS camps, Adopting villages, Social awareness programmes in nearby villages, etc. The pedagogy includes imparting Human Values through motivational programmes and Yoga and meditation classes by various eminent.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

1. Academic council/BoS of Affiliating university
2. Setting of question papers for UG/PG programs
3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses
4. Assessment /evaluation process of the affiliating University

**Response:** C. Any 2 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Details of participation of teachers in various bodies/activities provided as a response to the metric	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

**Response:** 83.33

#### 1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 10

File Description	Document
Minutes of relevant Academic Council/ BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.2.2 Number of Add on /Certificate programs offered during the last five years

**Response:** 73

#### 1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.

2019-20	2018-19	2017-18	2016-17	2015-16
14	18	23	12	6



File Description	Document
List of Add on /Certificate programs	<a href="#">View Document</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

**Response:** 33.58

#### 1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
621	559	894	726	428

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum

**Response:**

The College has an Enviro Club, NSS (National Service Scheme) team, YRC (Youth Red Cross) team and WEC (Women Empowerment Cell ) team The College has an Enviro Club, NSS (National Service Scheme) team, YRC (Youth Red Cross) team and WEC (Women Empowerment Cell ) team

The activities are planned by the coordinators of the above clubs and students are involved in various initiatives and issues that are relevant to their courses such as Professional Ethics, Issues on Gender and Human Values and Environment and Sustainability.

The Enviro Club is coordinated by the faculty of Civil Engineering and Chemistry and includes all students from First year to final year. This club creates awareness on the issues related to the Environment and its sustainability in terms of Renewable energy, Plastic Awareness, Cleanliness and Hygiene, Green

Environment, Tree Plantations through workshops, field visits, rallies and campaigns within and outside the campus.

The National Service Scheme Unit of the college encourages students to adopt a nearby village understand their problems and try to provide necessary solutions such as providing Solar Lamps, Educating the villagers on various technology based irrigation and agricultural techniques, self-employment schemes, animal health safety and human health awareness by conducting medical camps and environment awareness camps.

The YRC unit of the college ensures the awareness amongst students on the significance of Blood Donation and aids people in need with necessary blood units donated by the students. The college receives recognition for blood donation by more than 100 members in the college.

The Gender issues are taken care by the Women Empowerment Cell where girl students are trained to be empowered through motivation programmes, health and hygiene awareness programmes and skill development programmes. Many women Entrepreneurs and successful leaders are invited to the college to share their success stories and inspire the girl students to achieve great heights at their young age. Girl students are encouraged to show case their technical and additional skills in various programmes organized for exclusively girl students. There are programmes organised for the girl students in the girls hostel initiated by the lady faculty and continued by the girl ambassadors themselves.

<b>Cross-Cutting Values</b>	
Gender Equity	GE
Environment and Sustainability	E & S
Human Values and Professional Ethics	HV & PE
<b>Nature of the Course</b>	<b>Course Category</b>
Humanities and Social Sciences	HS
Basic Sciences	BS
Professional Core	PC
Professional Elective	PE
Open Elective	OE

EEC	Employability Enhancement Courses
<b>File Description</b>	<b>Document</b>
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

**Response:** 2.26

#### 1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
9	9	9	10	9

File Description	Document
Programme / Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year

**Response:** 24.82

#### 1.3.3.1 Number of students undertaking project work/field work / internships

**Response:** 375

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni**

**Response:** A. All of the above

File Description	Document
Any additional information (Upload)	<a href="#">View Document</a>
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

**1.4.2 Feedback process of the Institution may be classified as follows: Options:**

- 1.Feedback collected, analysed and action taken and feedback available on website
- 2.Feedback collected, analysed and action has been taken
- 3.Feedback collected and analysed
- 4.Feedback collected
5. Feedback not collected

**Response:** B. Feedback collected, analysed and action has been taken

File Description	Document
Upload any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average Enrolment percentage (Average of last five years)

**Response:** 62.1

##### 2.1.1.1 Number of students admitted year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
387	347	424	391	511

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
612	612	612	672	810

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy ) during the last five years ( exclusive of supernumerary seats)

**Response:** 51.23

##### 2.1.2.1 Number of actual students admitted from the reserved categories year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
154	129	258	246	408

File Description	Document
Average percentage of seats filled against seats reserved	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.2 Catering to Student Diversity

### 2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

**Response:**

The Institution caters to the needs of the student's diversity in the context of the learning levels of the students. The students are identified during the first year by analyzing their cutoff and a questionnaire to identify their learning styles. The questionnaire is designed using the Felder-Silverman LearningStyles Model and is circulated to all the students to identify their learning styles, based on which specific training is given to them.

The students are categorized as Advanced learners and slow learners.

The Advanced learners are encouraged to undertake NPTEL courses and prepare for GATE exams if they are interested in higher studies or Government jobs, GRE/IELTS/TOEFL exams if they opt for higher studies abroad and basic foundation certificate courses in technical aspects through technical clubs. Some students who are interested in practical learning are encouraged to execute Projects and participate in Project Competitions to expose their technical skills. These students are oriented towards becoming an entrepreneur and begin startups. The Entrepreneurship Development Cell hones the entrepreneurial skills of such students through hands on workshops and awareness seminars. Skilled students are also encouraged to participate in paper presentations during Symposia and Conferences.

The slow learners are trained to cope up with the standards of the other students through special classes in English, Mathematics and courses in which they lack understanding. Basics of those courses are reiterated to them so that they learn the course easily and also they are taught using methodologies matching their learning styles. The slow learners are also counseled and mentored by the faculty, their mentors and the Head of the department to motivate the students towards self realization and enhance their skills. The minimum mentor - mentee ratio is maintained as 1:20 and maximum mentor - mentee ratio is maintained as 1:25 in our college.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Past link for additional Information	<a href="#">View Document</a>

### 2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

**Response:** 11:1

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

### 2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

#### Response:

The modern pedagogy is adopted amongst the students to manage the student's diversity through experiential learning, participative learning and problem solving methodologies. These techniques are included as a part of their lesson plan during the delivery of the course.

#### Experiential learning:

Students are exposed to practical sessions on theoretical concepts by simulation experiments, writing programmes relevant to their course of study and experimenting in laboratories. They are also encouraged to pursue small miniprojects to test the working of their design.

#### Participative learning:

Participative learning is designed as a strategy to bring out the hidden skills of the students and to empower them. This builds collaboration amongst the students and alleviates their stage fear and the fear to express themselves. Students are made to participate in technical discussions in the classroom through quiz, debates, role plays, brainstorming sessions, peer teaching and learning etc. These initiatives result in outcomes such as active interaction with industry experts and eminent from academia. They also gain professional values while involving themselves in participative learning.

#### Problem Solving methodologies:

Students are allowed to submit case studies, design solutions for various problem statements within the course and beyond the course content to enhance their problem solving skills through Project based learning. Students are expected to participate in internal and external Project competitions to analyse and improve upon their innovative problem solving skills amongst a wide group of similar competitors.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

#### Response:

The lush green campus of Prathyusha Engineering College is a Wifi enabled campus with a internet speed of 100 Mbps. In addition, the college has a well equipped digital library to access various resources under various disciplines. The students are also facilitated with various ICT enabled tools across the departments to upgrade their knowledge on par with the demands of the industry and recent research trends.

The tools used in common are Kahoot for conducting Online Quiz, Google Classroom is created for all the courses where assignments are posted and Critical Multiple Choice Questions are posted where the analysis is done immediately and responses are made transparent to the students as well as the faculty that will enable the students to prepare well in the course.

Virtual Labs are also conducted for a few laboratories that are associated with Simulation Tools and to visualize the practical concepts of the theory they learn. The students are also practiced to practice their codes on online compilers such as Hacker Rank and Skill Rack which accelerates their critical thinking capabilities and speed of coding with smart codes. Mathematical subjects are taught to the students through Jam Board in Google meet to make them understand each step clearly. Flipped classroom teaching is also pursued in the college to strengthen the self learning abilities and also to stimulate creative thinking during discussion in the class on their applications.

Power Point presentations are specially designed and developed by the individual faculty on their courses to make the learning easy for the students.

Online Webinars are arranged for the students to enable interaction between the technical resource persons and the students. The students are encouraged to undertake Coursera and NPTEL courses relevant to the courses in the curriculum to strengthen their knowledge in a specific area.

There are 56 technical clubs spread across all the departments. The faculty also are dedicated trainers in various technical domains of technical clubs to impart technical training to the students in specialized domains beyond the curriculum.

Hence the students are provided with ICT enabled pedagogy to improve their learning styles and for a better learning experience.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	<a href="#">View Document</a>

### 2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )

**Response:** 20:1

#### 2.3.3.1 Number of mentors



Response: 74	
File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	<a href="#">View Document</a>
mentor/mentee ratio	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

<b>2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years</b>	
Response: 117.61	
File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 16.95

#### 2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
30	29	30	34	33

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)****Response:** 6.06**2.4.3.1 Total experience of full-time teachers**

Response: 855

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5 Evaluation Process and Reforms****2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode****Response:**

The internal assessment tests are scheduled in alignment with the Institution academic calendar which is in adherence with the University Academic schedule. Syllabus completion is scheduled so as to satisfy the norms laid down by the University. Four numbers of Internal Assessment Tests are conducted during every semester within the span of three months to assess and evaluate the understanding capability of the students and to improve their performance based on their outcomes attainment.

These tests are scheduled as follows,

Internal Assessment Test I is conducted after the completion of the first unit to understand the grasping and understanding capability of the students along with their knowledge retention. Internal Assessment Test II is conducted after the completion of the second and the third units are completed. Internal Assessment Test III is conducted after the completion of the fourth and the fifth units and the final model examination is held which covers all the five units. A special University preparatory schedule is arranged for the students to make themselves well prepared for attending the University Theory examinations confidently.

The schedule of these tests are published in the academic calendars and are published in the college website well in advance so that students are aware of the schedule and start preparing for the examinations meticulously. The frequency of the tests are as follows,

IAT1- after 10 days from the commencement of the college

IAT2- after 30 days from the commencement of the classes

IAT3- after 50 days from the commencement of the classes

Model Examination- after 60 days from the commencement of the classes

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

### 2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

#### Response:

The Examination Cell addresses various grievances of the students with reference to the external Examinations in terms of their Hall Ticket, Name change in the mark sheet, application for revaluation and its marks, Application for duplicate mark sheet etc. through the Department Examination Coordinators. Instructions are provided to the students well in advance regarding the redressal of grievances by the Examination Cell through the department examination cell coordinators by the class in charges. The students then approach the department coordinators for their clarification of doubts and grievances. The Examination Cell receives the grievances and redresses them by writing letters to the affiliating university through the Principal.

With reference to the internal examination process, the students report to the department coordinators for clarification of Internal Assessment related issues. The IQAC ensures proper evaluation system by scheduling a regular academic audit system which audits the question paper with bloom's taxonomy. It also ensures the distribution of learning materials amongst the students. In addition, the special coaching class attendance is monitored to understand and observe the efforts taken towards the academic improvement of the slow learners. The schedule of the examination and the seating arrangements are displayed at the respective notice boards well in advance to avoid chaos on the day of the assessment. The evaluation of the answer scripts is audited with reference to the answer keys and the marks are sent to the parents of the students two days after the completion of every assessment test. Any change in the address of the student is intimated to the examination cell through the respective departments for further communication.

Hence the grievance redressal system is made transparent, time bound and efficient

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

**Response:**

The Programme outcomes of all the programmes are displayed at prominent places in the respective departments and also displayed in the website. The course outcomes are displayed in the website and are disseminated to the students during the conduct of the courses. The formulation of the course outcomes is made through the Academic Advisory Committee and the Academic Council members and approved by the Principal for the display of the same in the website which is also circulated amongst the all the staff for information.

The students are made aware of the course outcomes during the introduction class by each staff and the same is recorded in the lesson plan and ensured during Subject Expert meetings.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Past link for Additional information	<a href="#">View Document</a>

**2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.****Response:**

Programme Outcomes are the attributes that should be possessed by each and every graduate and hence the attainment of Graduate attributes are evaluated every year and the evaluation is calculated for further enhancement in association with the Advisory Committee Members. The programme outcomes are assessed through direct and indirect assessment methods. The direct assessment methods are through Continuous assessment Tests and University Examinations. The indirect assessment techniques include involvement in various activities conducted by Technical Clubs, Professional Societies and other organizations.

The following Graduate attributes are measured by the respective departments and are monitored by the Management for further suggestions and follow up.

1. Knowledge Acquisition through courses specified in the curriculum
2. Complex Problem Solving skills by applying knowledge through design and development of innovative projects and miniprojects. Their technical knowledge is enhanced through interaction with Industry eminent and Professional Society Members such as IEEE, SAE INDIA, CSI, IETE etc. The awareness on the industry environment is provided to the students through Inplant Training, Field work, Industrial training, Industry Projects and Internships.
3. Team work and Social Responsibility through Group activities, Projects and socially relevant activities such as NSS/YRC, Technical Clubs, Activity based learning etc.
4. The students are made aware of the Professional Ethics in various technical disciplines through design of various projects in compliance with Environment Safety standards. In addition they are educated on Professional Ethics in Engineering, Environmental Science and Engineering,

- Principles of Management, Total Quality Management etc. during their programme.
5. The students are also oriented towards research by encouraging them to submit papers in UGC and Scopus journals. They are also encouraged to present papers in National and International Conferences.
  6. The students are honed with Entrepreneurial skills during the programme through various activities conducted by the Entrepreneurship Development Cell.
  7. Aptitude training and Soft skills training are provided to the students to prepare them for the interviews and to make them industry ready. They are also made to practice on platforms like Hacker Rank and Skill Rack to strengthen their coding skills.
  8. Career Guidance Programmes are organized for the students to orient them towards higher studies in India or abroad, entrepreneurship, Government/Private Core/IT/ITES jobs etc.

The course outcomes are evaluated studentwise based on their performance in the Continuous Assessment Tests and University Examinations and suitable remedial measures are extended to the slow learners to enable them to build the necessary skills to attain the required outcomes. The indirect methods adopted to assess their course outcomes are through conduct of Quiz, Online Tests, Group Discussion, Role Play, Case studies, Assignments etc.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional information	<a href="#">View Document</a>

### 2.6.3 Average pass percentage of Students during last five years

**Response:** 89.98

#### 2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
329	420	588	686	781

#### 2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
370	477	645	732	887

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process	
Response:	
File Description	Document
Upload database of all currently enrolled students (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 190.02

**3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)**

2019-20	2018-19	2017-18	2016-17	2015-16
51.27	94.16	33.93	0.62	10.04

File Description	Document
List of endowments / projects with details of grants	<a href="#">View Document</a>
e-copies of the grant award letters for sponsored research projects / endowments	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)**

**Response:** 3.55

**3.1.2.1 Number of teachers recognized as research guides**

**Response:** 5

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years**

**Response:** 66.67

**3.1.3.1 Number of departments having Research projects funded by government and non-government agencies during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
3	5	5	3	4

### 3.1.3.2 Number of departments offering academic programmes

2019-20	2018-19	2017-18	2016-17	2015-16
6	6	6	6	6

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
List of research projects and funding details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste link to funding agency website	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

#### Response:

The institute has created an ecosystem for innovation and other initiatives like creation and transfer of knowledge by establishing R&D Cell, IPR and Entrepreneurship Cell, Performance Appraisal System and MoU with external Agencies for creation and transfer of knowledge. The college has a Research and Development Cell to motivate the faculty members and provide mechanism for submission of minor and major research proposals to various funding agencies like DRDO, DST, AICTE, DBT, etc. Process & Systems:

1. R&D cell of the Institute consists of eminent academicians from reputed academic institutions/industry and faculty members having research inclination from inside.
2. The Cell takes every initiative to encourage the participation of students in various exhibitions and fairs, to nurture their technical expertise.
3. R&D cell takes every initiative to support and inculcate faculty members to apply for research projects to different funding agencies (Govt. /Non-Govt.), for Research Promotion Scheme (RPS) and other projects.



Presently, 13 such proposals (1- conference, 3-MODROB, 5-STTP, 1-FDP, 3-RPS) have been sent to AICTE for receiving funds.

4. R&D cell conducts organization of different Faculty Development Programs (FDP), Short Term Training Program (STTP), Technical Workshops, Seminars, Industrial Visits, National and International Conferences for creation and transfer of knowledge among the students and faculty members.

#### 5. Entrepreneurship Cell (E-cell):

The Institute has a long tradition of promoting entrepreneurship starting with founders of the Institute. The E-Cell is established in 2018 with the aim to identify and nurture the latent entrepreneurial spirit of students and provide them opportunities to become Entrepreneur. Entrepreneur Development Cell (EDC) initiated various activities for the career enhancement of students like self-employment, start-up initiatives, etc. through various training programme.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

**Response:** 62

#### 3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
17	10	13	12	10

File Description	Document
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during last 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

**Response: 3.8**

**3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years**

Response: 19

**3.3.1.2 Number of teachers recognized as guides during the last five years**

Response: 5

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI website	<a href="#">View Document</a>

**3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years**

**Response: 1.87**

**3.3.2.1 Number of research papers in the Journals notified on UGC website during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
79	78	108	49	45

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.3.3 Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

**Response: 0.49**

**3.3.3.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
7	31	33	7	16

File Description	Document
List books and chapters edited volumes/ books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.4 Extension Activities

**3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.**

**Response:**

With an intention to inculcate a sense of involvement in nation building activities, the students are motivated and to lend their hands in different social activities. The extension and outreach activities for the last five years (2017-2021) targeted clean and green environment through different functional groups like Enviroclub, Exnora, Swachh Bharat, NSS, and several societal development activities with the collaboration with non-Governmental organizations and industries. The key aspects of the programme conducted includes, E-Waste Management, Tree Plantation, Awareness programme to attain Swachh Bharat vision, Zero-Waste management, Sewage Treatment, Organic Farming, Hydroponics. In the adopted villages, several awareness as well as action programmes were conducted to create involvement in Swachh Bharat mission. As a part of Swachh Bharat mission, 100 Hours Non-Stop Smart and Clean Slum drive was carried out. Students themselves are motivated to cultivate vegetable crops and supply the produce to the mass. Several awareness programmes are given to students and adopted villages on plastic free India, Health and Hygiene, Digital India, Yoga, COVID protection and Eco- Development. The institute's prime objective in neighbourhood community development centres around sustainable livelihood development through the dissemination of current trend, innovation and transformative actions and equipping the students to participate in the nation building activity.

**1. Sustainable livelihood development in adopted Villages:** As an outcome we have trained the youth of the chosen villages to adopt the SWACHH BHARAT and Make in India programme with true spirit in their villages.

**2 Stay and Learn Rural India:** In the institute the students are given several programmes in entrepreneur development and career option and the student have got a platform to disseminate what they have learnt in the campus to the village youths of both genders.

**3. Healthy Bharath:** Because of our NSS volunteers continuous follow up programme in the villages , nearly 62percent of the children, youth and adults are practicing healthy life through Yoga practice .

**4. Self sustained Make in India Training:** Inside the institute campus students are given opportunity to augment their income through *earn while you learn* by involving the production of mushroom , horticulture products ,handicraft products and medical laboratory skills.

**5. SwacchhBharat and Health initiatives:** As a part of Swacchh Bharat initiatives cleanliness drives within the campus and in the villages around the college, the environment consciousness for healthy Bharat was inculcated in the mind set of students, faculty, staff members and villagers through periodic awareness programme.

**6. Healing touch to the society:** Over the last 5 years specifically, there have been voluntary blood donation drives and more than 140students and faculty members had donated blood.

**7. Total output:** From regular community awareness programme, Make in India programme, SwacchhBharath motivation training, the Institute is very happy to record that as per feedback from the students 81.4 per cent of them had fostered the attitude to contribute towards societal issues and community.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 3.4.2 Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years

**Response:** 15

#### 3.4.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
2	4	3	3	3

File Description	Document
Number of awards for extension activities in last 5 year	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years ( including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)**

**Response:** 41

**3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
3	13	10	8	7

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years**

**Response:** 43.16

**3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
146	1625	1351	229	772

File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

**Response:** 72

##### 3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
5	31	15	16	5

File Description	Document
e-copies of related Document	<a href="#">View Document</a>
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

**Response:** 65

##### 3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
18	14	13	11	9

<b>File Description</b>	<b>Document</b>
e-Copies of the MoUs with institution/ industry/corporate houses	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

NAAC

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.**

**Response:**

The college has adequate infrastructure that are spread across a vast area of 36.33 acres of lush green environment with a built-up area of 46265.79 Sq. meters. The institution provides admirable infrastructural facilities for the teaching-learning experiences and will always bridges the gaps in academic teaching via Club Activities, Activity based learning, Laboratory oriented theory classes. The available physical infrastructure is optimally utilized beyond regular college hours to conduct certificate courses, co-curricular activities / extra - curricular activities, Campus Recruitment Training classes, campus recruitments, meetings, seminars, conferences etc.

The institution possesses the following infrastructures for teaching and learning:

**Class Room:**

As per the AICTE norms, 46 Class Rooms are required. Out of which, 39 Class Rooms are equipped with all necessary ICT facilities to enhance the teaching learning process and 27 Tutorial rooms are available. The optimal utilization is ensured through encouraging innovative teaching – learning practices inside the Class Rooms through well experienced teachers.

**Laboratories:**

Spacious and well-furnished laboratories with good ventilation and lighting facilities are available. All laboratories are equipped with essential equipment to meet the requirements of the curriculum. Latest software & Tools are available to enable the students to work on their interest by the participating in various technical clubs. Laboratories are utilized beyond the college hours for the convenience of the students to enrich their knowledge. All the labs are equipped with good technical support staff available during working hours and beyond (as and when required).

**Seminar Hall:**

Seminar halls equipped with ultra-modern LCD projector, computer workstation, audio-visual facilities and wireless Internet facilities. The webinars, Guest lectures, seminars, conferences and symposium are conducted in the seminar hall which helps the students to get new ideas and insights where knowledge sharing kick starts. And also, each departmental block has a Seminar Hall exclusively for conducting department events.

**Library:**

The college library is occupied in the First floor Second floor and Third floor of the building. The Library is Spacious, well ventilated well lighted with a total area of 1745 Sq. Meter. Open Access System is followed in the library. The College Library is equipped with a large number of books and journals.



Students and faculties can also refer their relevant subject textbooks from the department library for their reference.

**Internet Facility:**

Supported by PULSE TELESYSTEMS Pvt Ltd with 100 Mbps (1:1) Internet Leased Line

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.**

**Response:**

**Sports Facilities:**

The College is provided with adequate facilities to encourage the students to practice and participate in various sports activities with the help of well experienced and qualified physical directors. The Institution has provided both an indoor and outdoor games for the students to excel in sports of their own interest. The outdoor games facilities include a Cricket ground, Handball Court, Basketball court, Volley ball, Hockey practice field, Ball Badminton, Tennis, Athletics 200mts track, Throwball, Tennikoit court. The indoor games are provided with various equipment to facilitate a variety of sports activities such as Badminton, Table Tennis, Carrom and Chess. Our students are encouraged to participate in Anna university zonal matches, Interzonal selection and various tournament matches hosted by our college and also participate in the matches conducted at various colleges and universities.

**Fitness Facilities:**

In addition to the above sports facilities, a fully equipped gymnasium is in place in both boys' and girls' hostel to keep themselves healthy and fit. Every year, Students were created awareness about the importance of meditation or relaxation and various yoga practices by welltrained yoga teacher. Our students in boys and girls' hostel were provided with the facility to meditate and practice the yoga regularly.

**Cultural activities:**

Cultural activities of the students are encouraged by the College since that provokes the students' happiness factor in an elevated manner. In this connection, the infrastructural facilities of our College paves marvelous pathway towards the professional organizing of events. Just like the display of one's talent, the appropriate usage of the right auditorium plays an indigenous role in the student's talents show! To

elucidate the same, the seminar hall of 167 Sq.m with 180 seating in the main block is employed towards the auditions for singing and for various offstage events like pot painting, vegetable carving, pencil sketching, quiz, fashion show, mehendi designing, jewellery designing, essay writing, art from waste and cookery competitions.

The main auditorium of 818 Sq.m with 1500 seating capacity is primarily utilized for the onstage events like dance shows, ad zap, mime shows, fashion designing, singing finals, group instrumental performance, music band orchestra. The group events portray the team coordination and stage presence of every individual. The annual day is conducted in the main auditorium where in the rehearsals of the event are practiced in the prior days event. The speakers, audio set, sound track, lighting, podium and mike are all checked for its neat action for the function to take place smoothly with effective flawless display. Students enjoy the team work and organize their performances teams accordingly. In this manner, the infrastructural facilities of our College rightly establish the underlying talents of our students. The students were encouraged to explore their knowledge by utilizing the opportunities through various clubs such as photography club, short film club, MIME club, dance club, music club and so on. Every year, Our College celebrates Cultural and Sports Fest to motivate and develop the student's talent.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

**Response:** 86.79

##### 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 46

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

**Response:** 5.68

#### 4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
113.38	14.20	31.19	58.47	111.95

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	<a href="#">View Document</a>
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS)

#### Response:

The college library is occupied in the First floor Second floor and Third floor of the building. The Library is Spacious, well ventilated well lighted with a total area of 1745 sq.m. Open Access System is followed in the library. It Consists of reading Section, Binding Section, Circulation Section, Stack area, Reference Section, Periodical Section, Acquisition Section and Technical Section. The total collection of the college library is 13393 titles, 61716 Volumes and subscribes to 251 journals.

#### Computerization

The library is computerized using Auto Lib Software and independently uses one server. Internet connectivity also is operated for addition of new books selected from various websites; in addition to routine selection and procurement process.

Area		
Total Area	1,745 sq. m.	18,780 sq. ft.
Floor I- Circulation	896 sq. m.	9644 sq. ft.
Area		
Floor II – Reading	850 sq. m.	9150 sq. ft.
Area		

Digital Library	97.55 sq. m.	1050 sq. ft.
Seating capacity		
No. of seats in reading area	120	

Library Management System was introduced in our library 2002 for the main purpose of managing the library's daily operations efficiently. This integrated library management system enables in managing the whole library workflow through an easy-to-use, simple and interactive interface

**Name of ILMS Software: AUTOLIB**

**Nature of automation (fully or partially): Fully Automated**

**Version: 5.1**

**Year of Automation: 2002**

**Year of recent updation of software and database: 2015**

**Auto Lib software is a fully integrated, versatile, user-friendly, cost-effective and multi-user Library automation software.**

### **Salient Features**

- Easy to use /data entry made simple, handles lakhs of records more efficiently.
- Customizable data entry screen for books
- Multimedia interface, Simple and fast counter transactions and efficient circulation management system
- Book ordering and serial control made simple
- Sorting/printing large number of reports/ statistics in any desired order and export into different file in formats (Excel/Word/ASCII)
- Global update of field values, due date, etc., and Global settings of due date, issue of reference books, week days, etc
- GUI interface/ Client/server architecture supports TCP/IP protocol for networking for powerful search (Boolean Query Builder) facility.

- Interface to barcode scanners/printers/data capturing unit
- Online stock verification support, User ID and password for various menus, User Account status with User photo identification
- Database security/backup and recovery

Thus, Auto Lib software ensures the library to keep its collection more organized, simplified and structured. This supports in maintaining the data of books issued to learners and books available in the library. This enables librarians to instantaneously spot any particular book at any given time in the library.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for Additional Information	<a href="#">View Document</a>

#### 4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

**Response:** B. Any 3 of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	<a href="#">View Document</a>

#### 4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

**Response:** 22.1

##### 4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
19.34	10.93	10.19	9.19	60.84

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 4.2.4 Percentage per day usage of library by teachers and students ( foot falls and login data for online access) during the last completed academic year

**Response:** 12.47

##### 4.2.4.1 Number of teachers and students using library per day over last one year

Response: 206

File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

**Response:**

The IT facilities available in our institution are state-of-the-art. We have dedicated “ITCARE Team” who work round the clock to ensure that all our hardware and software are up-to-date and functioning without any problem. The college provides computer facilities to the students to learn experimentally and also to gain access to the cutting-edge technologies in the IT world. These systems have excellent networking facilities with additional Wi-Fi routers in each block.

**The IT facilities that are available in supporting academic and non-academic activities include:**

- 1) Desktop computers in all departments.
- 2) Wi-Fi Internet throughout the campus.

- 3) All desktop computers are connected to Campus Network.
- 4) Laser Printers Provided in all departments
- 5) Desktop computers & LCD projectors available in all smart rooms.
- 6) Curriculum based software are regularly updated based on the need for every semester.
- 7) All the latest Software are regularly updated to keep in pace with development.
- 8) All laboratories are equipped with LCD projectors.
- 9) All computer systems are connected to Uninterrupted Power Supply.

**The state-of-the-art 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 back-up system of 2TB capacity

The internet bandwidth provided through Wi-fi is 100 Mbps which is made available to the students round the year between 8.00 am and 6.00 pm and for the hostel students beyond 6.00 pm as and when required. The institute has Wi-Fi facility in the college campus for the student and faculty members to avail internet connection at any place in the college. The connectivity through a fully networked campus with state-of-the-art IT infrastructure, computing & communication resources, offers students the facilities of e-mail, net surfing, up/down loading of web-based application, besides helping them in preparing projects, seminars, participating in various competitions and to develop their technical skills.

### **ITES NEW/UPGRADATION of INFRASTRUCTURE**

#### **(INTERNET/COMPUTER/UPS/PROJECTORS)**

Departments have to identify the requirements for new or upgradation of existing infrastructures like INTERNET, Computers, projectors, UPS, etc. according to the lab requirements provided by the affiliating university.

Heads of Departments will submit the requirements to the Principal & Management for approval. After getting approval, quotes will be collected from 3-5 vendors for the new purchase or upgradation of existing infrastructure. Comparative statement of the price quotes will be submitted to Principal & Management for approval to proceed with the purchase.

Purchase coordinator will coordinate with the purchase of the requirements and ITES and the respective lab in-charges will ensure the successful installation.

Regular maintenance will be done by the vendor during the warranty period and the in-house technical team will do the maintenance and servicing after the warranty period. In case of some complex issues and faults, experts or external service person will be called to attend the issue after getting approval from Principal & Management.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

#### 4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 2:1

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

#### 4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 MBPS

File Description	Document
Upload any additional Information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

### 4.4 Maintenance of Campus Infrastructure

**4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)**

Response: 94.32

**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)**



2019-20	2018-19	2017-18	2016-17	2015-16
940.99	878.44	981.73	1122.08	1284.66

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### **4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.**

##### **Response:**

The Institute has evolved well established standard systems and procedures for maintaining the physical, academic and support facilities such as maintenance of buildings, laboratories, classrooms, library, sports complex, computers, etc. The budget allotment is made by the Principal and Management based on the requirements. The Infrastructure of the college is efficiently maintained by the Internal Service Team.

##### **Class Rooms:**

The students are instructed to maintain the class room neatly. The electrical fittings and the furniture in the classrooms are always kept under working conditions and repair works are attended by the technical staff immediately. Daily Cleaning of classrooms are done by housekeeping department.

##### **ITES REGULAR MAINTENANCE PROCESS**

State-of-art infrastructure is made available in the laboratories for the smooth conduct of lab courses. All necessary hardware and software are maintained in the labs according to the requirements mentioned by the affiliating university. All the laboratories, computers, printers, projectors, UPS and its accessories are maintained fully functional by a dedicated in-house service team available in the Institution. In-house electrical technical staffs are available to manage and maintain the requirements at all labs.

##### **Regular Maintenance:**

All computers in the campus are audited two times in an academic year during the month of April and November. The working status of the computers are verified by the respective lab in-charges and a report is sent to the ITES department. Technical team from ITES will inspect the non-working computers, projectors, printers, etc. and will identify the spares and consumables required for each faulty system.

Lab in-charges will prepare the lab-wise requirements list for consumables, spares and services according to the identified inspection report and submit to the Principal for approval.

Consolidated list of requirements for consumables, spares and services will be prepared by ITES in-charge and will be submitted to the management through Principal for approval. After getting approval from management, price quotes will be collected from 3-5 vendors and the comparison statement will be submitted to Principal and Management for approval and purchase. Purchase coordinator will deal with the vendor who has been recommended by management and pursue with the purchase, payment, delivery and installation.

Consumable and spares will be replaced in the faulty computers to make the labs fully ready before the commencement of each semester.

### **Software Installation:**

Lab course in-charges of each lab course will identify the software requirements of each lab for the conduct of lab courses 2 weeks in advance to the commencement of the semester. The requirements are submitted to ITES in-charge through HODs. In-house technical team will install the necessary software in the systems and will ensure the readiness of labs before the commencement of the semester.

According to the change in the software market, OS upgradation and antivirus procurement and upgradation are done by ITES team. Regular maintenance will be done by the vendor during the warranty period and the in-house technical team will do the maintenance and servicing after the warranty period.

### **Laboratories:**

The proper function of equipment in all laboratories is ensured in every semester by the lab technicians and minor repairs such as installing replacement parts are carried out by them as and when they are needed. Then it is recoded in service register. When there is a major repair work, the head of the departments handles the service and maintenance request appropriately by placing an order to the corresponding service company. Stock register is maintained in all laboratories and audits are conducted by stock verification committee to check the availability and working of the equipment in every year.

? All the PCs and related equipment like printers, scanners, etc. are backed by UPS

? Installation of anti-virus program on the computers

? Back up of computers & Hard disk clean-up on a regular basis

? All computers are checked for respective software at start of every semester

? Turn off all computers by selecting the shutdown option on the desktop

? Frequent maintenance of computers, AC, Printer and other equipment for every 6 months or as and when required.

? Software license renewal is done as per the license period.

? First aid kits are kept in all laboratories and department to meet out any eventuality.

? Fire extinguishers are provided in eye catching spots in the college buildings especially in all laboratories. Fire extinguishers are well maintained and checked periodically.

? Calibration of equipment are done and a report is maintained

? Lab technician checks the working condition of the equipment/systems on daily basis.

? Floor cleaning of labs are done on daily basis by housekeeping department of the college

### **Sports Facilities:**

College has both indoor and outdoor sports facilities. Students are allowed to utilize the sports facilities after the college hours. All these facilities are maintained by exclusive staff of the sports department. The Sports department maintains a stock issuing register to issue the required sports equipment's to students against their college ID card. Students are selected for participation in various games through a rigorous screening process. A large number of intra-college competitions are regularly held, and an Annual Inter College athletic meet is held every year.

### **Library:**

The computer used for various functions of the library and other related electronic gadgets are maintained regularly by the internal service team. They also ensure trouble free performance of the Autolib software which in turn help them to perform various other functions of the library. Annual Stock Verification will be ordered by the Principal in the last week of April every year.

### **Electrical Maintenance:**

Electrician is Responsible for Electricity/Electrical regular Maintenance. Once in a month all AC need to check whether it is in condition or not by intimating respective staff that without any disturbance for Students. Cleaning of Panel board and greasing of nuts and bolts of it once in a month need to do in entire campus.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

**Response:** 26.62

##### 5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
289	363	547	733	893

#### File Description

#### Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

#### 5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

**Response:** 15.24

##### 5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution / non- government agencies year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
431	352	286	184	97

#### File Description

#### Document

Upload any additional information

[View Document](#)

Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

[View Document](#)

**5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following**

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

**Response:** A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link to Institutional website	<a href="#">View Document</a>

**5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years**

**Response:** 43.88

**5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2019-20	2018-19	2017-18	2016-17	2015-16
879	903	491	1068	957

File Description	Document
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**

1. Implementation of guidelines of statutory/regulatory bodies
2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

**Response:** A. All of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1 Average percentage of placement of outgoing students during the last five years

**Response:** 28.79

#### 5.2.1.1 Number of outgoing students placed year - wise during the last five years.

2019-20	2018-19	2017-18	2016-17	2015-16
110	182	128	244	203

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years (Data Template)	<a href="#">View Document</a>

### 5.2.2 Average percentage of students progressing to higher education during the last five years

**Response:** 33.24

#### 5.2.2.1 Number of outgoing student progression to higher education during last five years

**Response:** 123

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 51.79

#### 5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
7	3	8	14	10

#### 5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
21	8	12	28	14

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

### 5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be

counted as one) during the last five years.

**Response:** 32

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.**

2019-20	2018-19	2017-18	2016-17	2015-16
13	8	2	4	5

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)**

**Response:**

The college has devised techniques to enhance the leadership qualities of the students by appointing students as representatives of various administrative, co-curricular and extracurricular activities by being a part of various committees and cells.

The details of their representations and participation are as follows,

1. Class committee
2. Activity Based Learning
3. Technical Premier League
4. Grievance Redressal Cell
5. Entrepreneurship Development Cell
6. AntiRagging Committee
7. All Technical Clubs as Student Ambassador
8. Cultural Club
9. Sports Club
10. Class Representative Meetings
11. Women Empowerment Cell



The constitution of the following committees are as per Anna University/AICTE guidelines.

### **1. Class Committee:**

- The class committee for a class under a particular branch is normally constituted by the Head of the Department. However, if the students of different branches are mixed in a class (like the first semester which is generally common to all branches), the class committee is to be constituted by the Head of the Institution.
- The class committee shall be constituted within the first week of each semester.
- At least 4 student representatives (usually 2 boys and 2 girls) shall be included in the class committee.
- The Chairperson of the class committee may invite the Class adviser(s) and the Head of the Department to the class committee meeting.
- The Head of the Institution may participate in any class committee of the institution. The chairperson is required to prepare the minutes of every meeting, submit the same to Head of the Institution within two days of the meeting and arrange to circulate it among the students and teachers concerned. If there are some points in the minutes requiring action by the management, the same shall be brought to the notice of the Management by the Head of the Institution.
- Enclosure: Anna University Regulations

### **2. AntiRagging Committee:**

As per the guidelines of AICTE/UGC,

Every institution University including Deemed to be University imparting technical education shall constitute a Committee to be known as the Anti-ragging Committee to be nominated and headed by the Head of the Institution, and consisting of representatives of civil and police administration, local media, Non Government Organizations involved in youth activities, representatives of faculty members, representatives of parents, representatives of students belonging to the freshers' category as well as senior students, non-teaching staff; and shall have a diverse mix of membership in terms of level as well as gender.

Enclosure: UGC Regulations

### **3. Grievance Redressal Cell:**

As per the guidelines of the UGC, the Grievance Redressal Cell has been constituted with one student as a special invitee with

academic merits.

Enclosure:UGC regulations

### Committees constituted by the Institution

1. Activity Based Learning
2. Technical Premier League
3. Entrepreneurship Development Cell
4. All Technical Clubs as Student Ambassador
5. Cultural Club
6. Sports Club
7. Women Empowerment Cell

The above committees are constituted by the Principal in association with various faculty in charges for the effective conduct of various activities to empower themselves and their fellow students towards their career and professional development.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

**Response:** 75.6

#### 5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2019-20	2018-19	2017-18	2016-17	2015-16
79	76	82	78	63

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Report of the event	<a href="#">View Document</a>
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	<a href="#">View Document</a>

## 5.4 Alumni Engagement

### 5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

**Response:**

The Alumni provide a strong support to our institution. PEC Alumni Association was formally inaugurated in the year of 2007 which had its first batch with an intention to bridge the gap between Alumni and the institution for the mutual benefit. Alumni Association is administered by an Alumni Committee. The alumni association is very active in promoting interactions among the alumni, staff and the management. Besides helping the alumni in all possible ways, it also lends its support to the college to achieve the vision and mission of the institution. Alumni association of the department has been playing a vital role in developing the student's knowledge. Alumni are elected as executive members of this committee to be a part of the running of the Alumni association. They do take active part along with the Faculty office bearers of the Alumni association in conducting the meetings every year. An interaction program between the alumni and the students is being conducted every year. During this program career guidance towards the employability of students are discussed. Apart from various technical skills desired by the employer at different domains, are also discussed for the benefit of the students. The profile of the company in which the alumni's working is also well discussed for helping the students. Alumni contribute to our institution in many ways. They are invited to offer guest lecture, career guidance and counselling to our students so that students are motivated and also exposed to current trends in various fields of Engineering and management. Alumni are invited to our campus to act as Judges for the technical events conducted in our college. Alumni also post their testimonials as to how successful they are in their career which indirectly stimulate our students to emulate them. Alumni also help out the students in getting placements also. They convey the information about the HR requirements in various organizations to our final year students to secure placements.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 5.4.2 Alumni contribution during the last five years (INR in lakhs)

**Response:** B. 4 Lakhs - 5 Lakhs

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

**Response:**

**VISION :**

To emerge as a premier technical and engineering institution in the country by imparting Quality Education and thus facilitate our students to blossom into dynamic professional so that they play a vital role for the progress of the nation and for a peaceful co-existence of our fellow human being.

**MISSION :**

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

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

**Nature of Governance:**

**Perspective plans:**

Management has the vision to emerge as a premier Institution in technical and engineering in the country and is driven by Governing Council.

The institution has a perspective plan for Consistent Development of Students and Staff, Modernization of the existing facilities, new ventures for R&D, expansion of. Management meetings with Principal, HODs, and Head of various cells like Placement Cell, EDC, etc. are conducted to analyze the progress and plan for further execution.

The academic plan is prepared by the Principal in discussions with the HODs. All activities including industrial visits, conferences, workshops, seminars, FDPs, association activities, club activities, sports tournaments, recruitments and College level functions are planned in accordance with academic schedule of the affiliating University.

All information and suggestions reach from bottom to top and from top to bottom in a constructive way and this approach supports for successful interaction, feedback, team work and new ventures.

**As Governing Council member,**

- Decisions on administrative and academic matters.
- Budget approval.
- Decisions on the addition of new programmes and change in intake.
- Sanction for activities - academic and non-academic.
- Decisions on recruitment, improving infrastructure, purchase of major equipment.

#### **As Head of the Department:**

- Planning, execution and monitoring the performance of the department
- Administration of academics, research, co-curricular and extra-curricular activities.

#### **Participation of the teachers:**

- Committee Coordinators and members for Department Advisory Board, IQAC, Exam Cell, Innovation Cell, EDC, Sports, Technical Clubs, Cultural Clubs, Women Empowerment Cell and Centers of Excellence.
- Program Organizer – Event coordinators for Annual Day, Sports Day, Innovation Day, Teachers' Day, etc.

#### **At Student Level:**

- Class Representative
- Class committee members
- Organizers of events like conferences, Tech. fests, cultural, sports etc.
- Organizers of community services through NSS, YRC, etc

#### **At Faculty level:**

- Course Experts.
- Coordinating Mini projects, industrial visits and workshops, Seminar, conferences
- Mentors and class advisors.
- Planning and execution of several department activities, budget, purchase etc

#### **Interaction with stakeholders**

- Management and Principal meeting with students.
- Parent's meeting with Management, HODs and Mentors.
- Alumni Meetings are conducted every year to encourage students to interact with Alumni.
- Industry Experts Meeting and HR Conclave

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

#### Response:

#### Decentralisation:

Prathyusha Engineering College has deployed comprehensive decentralisation since its inception, which has involved the participation of all faculty and staff towards effective and quality Engineering education.

**The Governing Council:** The members of the Governing Council would be responsible for decisions on Financial implications, Resource procurement, infrastructure expansion, Memorandum of Understanding with various organisations, faculty salary structure, faculty and students welfare schemes etc. The members of the Management then execute these decisions. 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.

Various committees have to decentralize the work and collective responsibility. Holistic development of the students is given the highest priority and it is ensured with the help of Course teachers, Course Experts and mentors, who provide academic support, guidance, counsel, address grievances, maintain the database, keep tracks on attendance and communicate student progress to the stakeholders.

#### Committees at various Levels:

Level 1. Institute Level

Level 2. Department Level

Level 3. Student Level

#### COMMITTEES

##### Level 1. Institute Level

Examination Cell

Grievance Redressal Cell

Women Empowerment Cell

Anti Ragging Committee

Anti social Harassment Cell

Centre For Co-Curricular And Extra Curricular Activities

Centre For Alumni Affairs

Transport Coordinator

Time Table Coordinator

Disciplinary Committee

Career Guidance Cell

Technical Club Coordinator

Placement Cell Training Division

Entrepreneurship Development Cell

Special Events Professional Society / Conference/ Coordinator

Projects/ Miniprojects Coordinators

Newsletter, Handbook & EMagazine Coordinators

Purchase Committee

IQAC R&D Quality Improvement Cell

NPTEL/MOOC/ Swayam

## **Level 2. Department Level**

The overall Coordinator of the Institute Level Committees coordinates the activities along with the Department Level Coordinators.

Department level members are identified for all the college level activities mentioned above. These members will coordinate within the department to ensure adherence to the college level process for the all the activities.

## **Level 3: Student Level**

Students are encouraged to practice 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 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 Coordinators
12. Swachh Bharath Coordinators
13. IQAC Coordinators
14. R&D Coordinators
15. Examination Coordinators
16. Admission Coordinators
17. NBA/ AICTE/ Regulatory Body Coordinators
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. Anti Ragging Committee Members

**Administrative Staff:**

1. Management of Staff and students data
2. Ensuring students and staff welfare

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic / Perspective plan is effectively deployed

**Response:**

**INSTITUTIONAL STRATEGIC/ PERSPECTIVE PLAN**

**Imparting Quality Education**

**Quality Engineering Education is the main motto of this Institution and is ensured through qualified, experienced and committed members of the faculty.**

Quality is maintained as per the norms of approving body and affiliating university. Skill enhancement of the faculty is ensured through FDP, Workshops, Technology Upgradation Meetings, internships, NPTEL online courses, etc. Faculty members are encouraged to do research and publications.

**Imparting training**

Engineering Orientation Program, Soft skills, Aptitude and Placement are conducted right from the First Semester to ensure skill development and placement readiness. Regular aptitude practice through online cloud based portal.

**Technical Clubs:**

Technical Clubs provide platform for equipping students with the necessary expertise. Activities are,

- Industry Expert Interaction.
- Industrial Visits.
- Project Contests.
- Workshops and seminars.

Outcome are,

- Knowledge exchange.
- Industry based skills.
- Globally competent.

Clubs are associated with IEEE, CSI, ISTE and IE, ISHRE Societies where students are members and benefited through interactions with experts.

### **Curriculum Development**

Curriculum Development is prescribed by affiliating Anna University. To enhance skills required by the Industries, Technical Club are constituted in the departments enabling and facilitating students to train themselves.

### **Teaching and Learning**

Teaching and Learning Specific pedagogical approaches are adopted through Quality Teaching Methodologies that include

- NPTEL Online Certifications
- Power point Presentations for vivid explanations
- Animated videos
- Miniproject
- Seminars
- Concept a Day by a student
- Role plays
- Webinars
- Guest Lectures by Experts

### **Examination and Evaluation**

Centralised system coordinates Internal Assessment Tests and University Examinations. Three Internal Assessment Tests are conducted with Higher order Bloom's Taxonomy and also ensures the Course outcomes are satisfied. Internal marks are awarded to the students based on Internal Assessment Tests.

Students have to maintain a minimum attendance of 75% to attend the University Examinations

### Research and Development

Institution nurtures research amongst the faculty and students. Research and Development Cell concentrates on interdisciplinary and funded research. The cell strives for funds from AICTE, DST, BRNS, CSIR, SIRO and financially assisted workshops and seminars by IEEE, etc. Faculty are encouraged to publish in referred journals indexed under SCI, Scopus and Thomson and Reuters.

### Human Resource Management

Requirements of faculty are advertised in Websites and dailies. Selection of candidate is done based on qualification and experience. Evaluation of teaching skills, conceptual clarity, communication skills and confidence is done by the recruiting committee. The recruitment procedures, service rules and promotion policies are made transparent.

### Industry Interaction / Collaboration

The college has initiated to bridge the gap between the Industry and academia through Memoranda of Understanding with various industries to ensure Training, Internships, Guest Lectures, Industrial Visits, Faculty Development Programmes and Recruitment of students.

### Admission of Students

- Under graduate programmes: students are admitted through central process by a state government body DoTE and Anna University, Single window system
- Post graduate programmes: students are admitted through a common entrance test (TANCET) by the Anna University.
- Tuition fee waiver is provided to meritorious students.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
strategic Plan and deployment documents on the website	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### **6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.**

#### **Response:**

Prathyusha Engineering College has deployed comprehensive decentralisation since its inception, which has 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.

The institutional committees are constituted and the policies and standard operating procedure for all the committees and the HR policy are made transparent with all the staff..

**The Governing Council:** The members of the Governing Council are 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

#### **Principal**

Looks after all the Administrative and Academic activities in line with the AICTE, Anna University and the Government of Tamil Nadu, in all aspects. Conducts all the UG, PG and Ph.D programmes according to the affiliating university guidelines.

The Principal is the academic and administrative head of the institution. The head of institution collects feedback from teachers, students and alumni with respect to the teaching learning process, students' and faculty development activities and infrastructural demands.

After thorough deliberations the existing facilities and activities of the institution are reviewed and decisions are taken for implementation.

All faculty participate actively in policy making and application through various committees. These committees present their reports and recommendations to the Head of the institution. During the Management meeting, the Principal's report is reviewed by the members of the Managing Committee. A detailed discussion ensues, final recommendations and suggestions for implementation for the growth of the institution.

Actions taken on recommendations from the previous meeting are also reviewed to monitor the progress and necessary action. The head of the institution communicates the policy decisions to the faculty in the staff meetings.

Principal monitors admission, conduct of regular classes, placement activities in coordination with Placement Dean, create an environment for industry institute interaction, coordinate R&D activities, coordinate staff and external organization for R&D and consultancy, monitors discipline within the campus through Disciplinary Committee. Monitors smooth conduct of Quality Management System in accordance with NBA and NAAC.

**Head of the Department (HOD)**

HOD is responsible for all the academic activities of the department. Looks after day to day activities relating to teaching and other workloads of his/her teaching and non-teaching staff. Reports to the Principal regarding all the requirements of his/her department such as Faculty Member, supporting staff, equipments, books & journals, maintenance, etc. Ensures the progress in R & D, Consultancy and Research Publications. Arranges for Guest Lecture Lectures, Seminars, Workshops, and Conferences etc. Responsible for mobilizing his/her Faculty Member for different research grants.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>
Link to Organogram of the Institution webpage	<a href="#">View Document</a>

**6.2.3 Implementation of e-governance in areas of operation**

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**6.3 Faculty Empowerment Strategies****6.3.1 The institution has effective welfare measures for teaching and non-teaching staff**

**Response:**

**6.3.1 The institution has effective welfare measures for teaching**

The institution always extends a great concern towards its' staff welfare to satisfy their essential needs and to also motivate them towards an enhanced working environment. Management ensures the consistent upgradation of knowledge and skills of faculty fraternity by means of various developmental activities like

Faculty Development Activities, motivation for online courses by IITs through NPTEL, conducting conference and workshops, etc. The following enlists the various incentives, allowances and benefits provided to the teaching fraternity.

- Faculty Academic Performance Incentive-Rs.2000/- cash award for 100% results
- Seed money for a prospective project/ a worthy innovative idea
- Travel Grants to attend national international conference, workshop, FDP, etc.
- Group Medical Insurance for all staff
- Gift for marriage- cash of Rs.5000/- and three days of holidays
- Diwali gifts for all staff
- Fee concession for the wards of staff members who secured admission at Prathyusha Engineering College
- Food at subsidized cost for teaching and non teaching staff
- Sponsorship for Full time M.E. and Part Time B.E.
- Free Transport for all staff
- Three months Maternity leave for ladies staff
- Sponsorship for Conferences/Workshops/FDPs/Seminars
- Supporting membership and active involvement in local, state, national and International professional associations.
- Providing access to the Internet, audio-visual aids, software packages etc., as required for research and other development activities.
- Facilitating institutional infrastructure, learning resources for effective curricular transaction.
- CPL is given to Staff Members for carrying out the assigned works during Holidays
- Yearly 28 days of Vacation leave ( winter-7 & summer -21) is given to faculty members.
- Monthly one Casual Leave and two one hour permission is allowed to avail.
- 15 days winter and 30 days summer vacation holidays are given to teaching staff.

### **Welfare measures for non-teaching staff**

The college has taken initiatives to enable the staff to function more effectively. Employees need training in advanced skills related to their works. In this regard college provides training to the lab staff on the technologies being utilized in laboratories. Supporting staff are employed to carry out the activities of the college as well as the overall maintenance and smooth functioning of laboratories and the entire campus.

- Group Medical Insurance for all staff
- Diwali gifts for all staff
- Ayudha Pooja gifts for all non-teaching and maintenance staff.
- Fee concession for the wards of staff members who secured admission at Prathyusha Engineering College
- Free Food for all non teaching staff
- Free Transport for all staff
- Three months Maternity leave for ladies staff
- Provident fund for non-teaching staff
- 15 days vacation is given during summer.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years

Response: 7.79

#### 6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
18	8	20	7	18

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	<a href="#">View Document</a>

### 6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

Response: 9.6

#### 6.3.3.1 Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
13	10	7	10	8

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	<a href="#">View Document</a>
Reports of Academic Staff College or similar centers	<a href="#">View Document</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	<a href="#">View Document</a>

### 6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).

**Response:** 41.93

#### 6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2019-20	2018-19	2017-18	2016-17	2015-16
87	76	57	71	90

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View Document</a>
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development programmes during the last five years	<a href="#">View Document</a>

### 6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

**Response:**

Faculty performance appraisal is conducted at the end of every academic year. Performance Appraisal Form is provided to every faculty member for self-evaluation.

The assessment is done based on the self-appraisal evaluation form. Academic results and mentoring



outcome attainment are filled by the faculty. Individual faculty's contribution to students' development, Staff development, R&D are considered in their self-appraisal form.

### **Parameters considered for Appraisal**

- Academic performance
- Mentoring (Mentees progress in academics & skill development)
- Knowledge upgradation through attending FDP, workshops, etc. and organizing various activities for students and staff.
- Completing Certification courses.
- Research and Development, paper and patent publications & funds received
- Contributions to the department as Guest Lecture coordinator, Industrial Visit Coordinator, Alumni Coordinator, NPTEL coordinator, Co-curricular & Extra Curricular activities Coordinator.
- Contributions to the Institution as social media Coordinator, Technical Club Incharge, coordinator & member of various College level activities.
- Assist the department, institute and university committees.
- Afford professional services to the university and community

Suggestions and feedback will be given by HODs to improve their contribution in the subsequent year. This Performance Appraisal System reveals an opportunity for every faculty member to know their strengths and weaknesses. The accomplishment of this evaluation process is the development of the institution along with self-growth of every faculty member.

The students' feedback about the traits the teachers with respect to class room delivery effectiveness , lesson plan/session plan/lecture notes preparation/execution, teaching methodology(initiatives), Academic planning & execution ,Assessment & enhancement of student learning and Class room management are collected by HODs and Principal through interactions with students during Class Committee meetings and other informal discussions.

The feedback for each faculty, department wise is taken, formatted and sent to HoD with a copy to the Principal. The HoD discusses this with the faculty on a one on one basis and appreciates or counsels depending on their feedback.

### **Department Appraisal:**

The HoDs present their department activities for the academic year in front of a committee which constitutes of Management, Principal, and an external expert. The strengths and weaknesses of the department will be thoroughly discussed and suggestions will be given by the committee for the next academic year. The Non-Teaching technical and administrative staff's performance appraisal system is based on various Self-developmental activities.

## Appraisal for promotion

A Screening Committee is constituted with the following Members:

1. Chairman or any Authorized person
2. Principal
3. HOD concerned

The Screening Committee will review the performance appraisal, academic performance, confidential report and other capabilities of each candidate and personally interview the candidates. The Committee, based on the above factors, shall prepare a list of candidates recommended for promotion in order of merit and submit to the management for approval.

This Performance Appraisal System reveals an opportunity for every faculty member to know their strengths and weaknesses. The accomplishment of this evaluation process is the development of the institution along with self-growth of every faculty member.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly

#### Response:

Yes, Internal and External financial audits are conducted. Audit statements are updated in college website duly signed by Chairman and Auditor.

The Institution has a fully computerized accounts department that ensures that all the transactions are made via bank, all the payments are duly authorized by the management and only authorized personnel can operate through the bank.

#### Financial planning

Financial planning is done well ahead of the commencement of the financial year.

- Budget planning is done based on Previous year's income-expenditure details and anticipated expenditure for the forthcoming financial year.
- Early phase tax planning helps the institute to be up to date and on time with respect to tax payment.

- All financial matters such as fee collection, salary distribution, tax payment etc are taken care of by the finance department.
- Record of every transaction is maintained in the form of authentic receipts.
- Accounting system is computerized for all financial transactions.

### Budget Preparation:

Budget for the forthcoming financial year is prepared in the month of every February. Annual Budget for the respective department is prepared by the Head of the department in accordance with requirements and plan given by the respective in-charges (lab procurement, infrastructure, faculty development, student development, conference/symposium, maintenance, software, consumables, Professional society activities, etc.) and is submitted to Principal for review. Budget for other maintenance and infrastructure related budget is prepared by Principal in accordance with the respective in-charges.

Centralized Purchase Committee of the Institution will coordinate with the purchase of all material requirements including stationery for the new academic year.

The Committee prepares their financial planning based on requisition received from various departments. The requirements are supplied in an organized and professional manner.

Every semester, there will be an internal audit by the auditors to consolidate the budget utilized and the report will be submitted to the Management. The internal audit report will be reviewed by the Management and suggestions will be given for further utilization of funds.

The external audit is done by the Auditors and the audited statement is published in the website.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropers during the last five years (not covered in Criterion III)

**Response:** 4.6

6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

2019-20	2018-19	2017-18	2016-17	2015-16
0.82	2.08	0.78	0.51	0.41

<b>File Description</b>	<b>Document</b>
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>

### **6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources**

#### **Response:**

#### **Fees Collection:**

Admissions are based purely as per Tamil Nadu Government Higher Education norms Following the norms laid by the Fees Fixation Committee of State Government, fees amount is collected from each student.

#### **Grants from Government Funding Agencies:**

Institute is also getting grants from various Government bodies like Grants from AICTE, DST, and other organizations under MODROBS, FIST schemes are availed to purchase the latest laboratory equipment, updated version of the software and others equipments and accessories.

These grants are utilized to meet recurring and non recurring cost related to infrastructure enhancements, and skill development activities including workshops, HACKATHONS, seminars, Faculty Development Activities, etc.

#### **Grants through PMKVY and PMKVY-TI**

Grants have been received under the scheme PMKVY for skill development of unemployed youth in the country. All India Council for Technical Education (AICTE) is implementing the PMKVY for Technical Institutes under the scheme (PMKVY-TI) through AICTE approved Technical Institutions in the country.

#### **Grants from Non-Government Funding Agencies:**

Grants are received from Non Government bodies and professional societies like CSI , IEEE,ISTE, SAE,IETE etc., for institutional activities and research work. These funds are utilized to conduct Symposium, Seminars, National and International Conferences and other similar activities.

#### **Revenue through Consultancy Work:**

Consultancy works for industries and academic institutions have been initiated. A team of faculty and students develop software product to provide technological solutions for the needs of these end users.

### **Revenue through Faculty and students Development Activities:**

Various state level and national level faculty development activities like FDP, Workshop, conference and seminars on current technologies are conducted. Revenue generated through the registrations are utilized for publication of proceedings and also to provide the learning materials and other accessories for all the participants and resources persons during the activities.

### **Funds received from other Sources:**

The college also gets various sponsorships from industries, private firms, and individuals for labs and libraries in the form of models, equipment, books etc.

### **OPTIMAL UTILIZATION OF RECURRING EXPENSES**

A clear budget is prepared well before the academic year begins and the expenses are reviewed by the Management and Governing Council. The budget includes day-to-day operational and administrative expenses and maintenance of the fixed assets.

Budgetary provisions are utilized for administrative and academic activities.

- Infrastructure maintenance and development.
- Students' development activities.
- Faculty development activities.
- Research activities.
- Augmentation of library and laboratories.
- Improving the basic facilities provided to students and teachers.
- Salary and welfare for staff.
- Providing scholarship to deserving students.
- Social activities and society welfare.

The institution plans an annual budget every year based on previous audits and recommendations by the Academic Advisory Board of each Department. The budget is proposed by all the departments and submitted to the Principal and the Management for approval. The Management discusses the budget with the Governing Council to jointly approve the Budget. The departments ensure the optimum budget is utilized.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

## 6.5 Internal Quality Assurance System

### 6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

#### Response:

Most of the quality initiatives of the college are suggested by the IQAC. These initiatives are:

- Accreditation and ranking
- Approval and Affiliation
- Awards and recognition to faculty
- Consultancy, collaborations and linkages
- e-attendance monitoring
- Feedback analysis
- Initiative towards patents filing and incubation centre
- Internal promotion guidance
- Research quality enhancement
- Organising workshops and seminars related to quality enhancement

In addition to the above, the IQAC has also introduced Mini project for all UG students and Mentoring and Professional Counselling for both UG and PG. These practices are aimed at providing enhanced employability opportunities, hassle-free transition from institution to industry and improved ability to cope with stressful situations.

#### **Practice I:** Mini project for Undergraduate Students

The mini-project enables the students gain hands-on experience in a professional environment. The college thus views Mini project training as an impactful strategy for enhancing the employability skills of the outgoing students. The Mini project programme is positioned in the curriculum in a way that it enables the students acquire industry and technical knowledge in time even before facing the recruitment. Mini project is a mandatory programme for all the UG students in their Third semester. The duration of the Mini project is full semester days. Yet students are permitted to stagger the Mini project period based on the mutual convenience of the other department and the students. At the end of the Mini project, each intern should produce a detailed report. Each student will appear for a viva-voce presentation for award of marks. Since the introduction of Mini project, there has been a marked improvement in student placement and their technical knowledge.

**Practice II: Mentoring and Professional Counselling**

Mentoring and Professional Counselling has assumed greater significance due to the increasing distractions faced by the students due to excessive exposures to social networks. Further, the students from poor academic background generally lack self-confidence and skills to cope with the demands of tertiary-level education. To help the students handle the emotional stress and burnout affecting their academic and non academic behaviour/performance, the IQAC has strengthened mentoring and professional counselling to the students. Structured mentoring is organized nine times a Semester. Mentors to meet their mentees in their allotted rooms. Every semester, all faculty members are engaged in mentoring all the students. The mentoring ratio is approximately 1:20. A Mentor workbook is given to the Mentors to maintain the proceedings of their meetings with their respective students. The workbook contains personal profile, family profile, social profile, and academic profile. After every formal session, the report of the mentors is received and consolidated by the counselling centre and sent to the management for follow up. The views of parents about behavioural modifications of their wards are obtained during parent-teacher meeting.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

**6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities ( For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives )**

**Response:****Teaching Learning Process Monitoring & Measurement**

1. IQAC is constantly evaluating teaching learning process through feedback.
2. Academic Calendar is scheduled by AEMM coordinator with the approval of Principal

Before the start of semester AEMM monitors the following

1. Subject Allocation as per the norms
2. Preparation of Timetable and Master Time Table
3. Any changes incurred in COs are to be approved in the Department Academic Advisory Council meetings of the department.
4. Submission of Lecture notes, Question Banks, Lab manuals and check by inter departmental members. Check list is finally submitted to AEMM coordinator. IQAC ensures the quality of teaching by the submission of the above by faculty.

5. Teaching Pedagogy methods to be submitted by the course coordinators after discussions with the co subject Incharges and the same is ensured at the end of semester.
6. At the end of semester, Model Lab conduction is monitored by inter department members.
7. All remedial classes are decided and informed to the departments through AEMM.

### **Academic Examination Monitoring & Measurement**

1. Exam cell wing headed by the Exam cell coordinator ensures the conduction of tests as scheduled in the academic calendar without any flaws.
2. IQAC Coordinators checking the quality of question papers and answer book evaluation by subject experts in all departments.
3. Allocation of invigilation duties in a centralized manner.
4. Answer book evaluation is done by the concerned in charge, followed by answer book evaluation by subject experts.
5. Mark entry in Examination cell software without any deviations.
6. Results are analyzed for all the Internal and University exams. Follow up actions for subjects with low pass percentage and the reason for the low results are recorded.
7. Based on this internal marks are calculated band entered in the Anna University web portal.
8. University results are analysed after the publication of University results.

In addition to the above ,the following are also integrated to enhance the student skills,

1. Strengthening the campus placements process to provide job opportunities for the Students
2. Strengthen the Environmental Projects for Green Campus.
3. Value Addition Programmes / career oriented technical training programmes for students to improve their technical acquaintance.
4. Management supports for Research Projects and encouraging research collaborations. On timely basis upgradation of Lab Equipment's to meet with the advanced technology across the departments
5. Encouraging Students for Mini projects and Industrial Visits to understand and to gain the knowledge of new concepts.
6. Orientation programmes are conducted for Teaching and Non Teaching Staff Members. Staff and Students are Encouraged to apply their innovative projects to get funding from various Granting Agencies
7. Supplementary encouragement is given to Students to participate in different events like Sports / NSS / YRC activities
8. Regular interaction with class representatives and class advisors of each and every department for maintaining and sustaining quality education as directed by IQAC.
9. University Rank Holders were felicitated with cash awards and mementoes



Co-ordinated online Examination conducted by Government of India.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

### 6.5.3 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)
3. Participation in NIRF
4. any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

**Response:** A. All of the above

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of Institution	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

**7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.**

**Response:**

The Institution ensures that there is a peaceful and harmonious ambience to provide a confident atmosphere to our students. The Women Empowerment Cell is constituted to instill the optimistic inner strengths of a women and to cross borders with courage whenever situation demands. To promote gender equity amongst the co-educational students the cell designs relevant and out come based programs throughout the year. The girls are admitted to all UG and PG programs. Girls and Boys ratio are more or less equal. It shows about the success of gender equity initiatives of the college.

**Activities during Last Five years**

2015 -2016`	2016 -17	2017 -18	2018 -19	2019
2	3	7	2	2

**SAFETY AND SECURITY:**

To enhance the safety and security of the students in general and women in particular, the college has brought CCTV cameras at college, boys and girls Hostels.

The college is keen on providing safety and security for girl students and women employees and has a separate common room for boys and girls

Transport facilities are available for both boys and girls.

Separate hostel for girls and boys within the campus

Ambulance facility is available throughout the day with a driver.

Proper lighting and security measures are ensured for students when they stay after college working hours.

Three lady warden appointed to attend any issues at the hostel. And separate timings are allotted for hostel girls to use common amenities beyond working hours.

A women welfare committee to plan and implement welfare and safety measures

Women empowerment cell conduct various activities to provide awareness on safety and hygiene measure for female student and staff.

Separate medical room is available for them for incase of any causalities,

## **COUNSELLING**

A counseling center functions during the office hours of the college to facilitate the students to share their problems and get proper counseling.

Mentor is allotted for every 25 students. The faculty mentors meet the mentees periodically during class hours.

A team of faculty is available for mentoring students with depression, psychological problems and even gender-related issues apart from regular academic counseling.

## **COMMON ROOM**

The following are the amenities are available in the common room for students:

Separate Common rooms are available for boys and girls

Rest rooms, recreation facilities, safety lockers and furniture.

## HEALTH CARE

The health care unit caters any student round the clock. The College has a doctor who visits the institution. The College also has a provision of first-aid treatment in the medical care room / dispensary room in emergency situations. There are Multi-specialty hospitals & other small within two kilometers Range. All those hospitals have Ambulance Facility.

Apart from it, the college transportation department has its own medical van which will be used in emergency situations to take the student/staff patients assisted by the staff to the nearby hospitals. The College has a health care center. All the Departments, laboratories and other units of the college have First aid boxes.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>
Link for annual gender sensitization action plan	<a href="#">View Document</a>

### 7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy
2. Biogas plant
3. Wheeling to the Grid
4. Sensor-based energy conservation
5. Use of LED bulbs/ power efficient equipment

**Response:** B. 3 of the above

File Description	Document
Geotagged Photographs	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- Solid waste management
- Liquid waste management
- Biomedical waste management
- E-waste management
- Waste recycling system
- Hazardous chemicals and radioactive waste management

#### Response:

#### **SOLID WASTE MANAGEMENT**

Establishment of compost yard within the campus. The manure produced from the compost yard are used for the gardening purpose. Newspapers and writing paper are collected at the end of every semester and recycled for reuse.

All paper that has been used is being submitted to ITC as a part of the WOW initiative where paper is being recycled and returned in kind or cash.

The college has kept more bins across campus for the collection of solid waste degradable, non-degradable separately, in tune with Swachh Bharat initiatives by Government of India.

The campus is covered with a variety of plant species. The litters from these trees are used for compost process.

#### **LIQUID WASTE MANAGEMENT:**

The waste water filtered out by the RO processing unit is utilized for maintenance of gardens in different parts of the campus.

The water used for bathing and washing have been collected and recycled to be used for gardening. This makes the campus green in a very conservative manner.

The waste water collected and treated by using sewage treatment plant.

#### **E-WASTE MANAGEMENT**

The college has evolved a practice of disposing off the obsolete electronic gadgets through external

agency. The non-working computer spare parts, waste compact discs and unused electrical and electronic components, batteries, micro chips are used by students for their project. The cartridge of laser printers is refilled outside the college campus.

During the academic year 2019 -20, 2,010 Kgs of E – waste components are disposed to **Virogreen India Private Limited** and got Certificate of Destruction dated on 12/02/2020

### WASTE RECYCLING SYSTEM:

With smart initiatives like Go Green Campus Waste Management is helping our college, to achieve a higher level of environmental performance. All the waste from the college campus, canteen and hostel is collected and segregated into wet, dry and plastic waste.

Biodegradable waste are collected and undergone the practice of landfill and composting. etc.. During the process of composting, the degradable waste is converted in manure which is used for green manures for kitchen garden. Non degradable waste like plastics were collected and disposed separately in vending dustbins which vend money for a specific weight of plastic deposited in the machine.

### HAZARDOUS CHEMICALS AND RADIOACTIVE WASTE MANAGEMENT

Bottles/containers with chemicals for disposal have clear labels with details of the content. Each container must be listed separately, tagged and sealed. The unused chemicals are disposed by sanitary sewer. After usage of strong acid, it is diluted to neutralized and disposed to the sewer. Chemical waste removal will be happen on end of the each semester. A *fume hood* is a type of local ventilation device that is designed to limit exposure to hazardous or toxic fumes, vapors or dusts. It helps to protect from containing vapors, dusts, gases, and fumes generated within the hood, and removing them as air flows into the hood and then out via the laboratory exhaust system. The instructions of handling chemicals and safety rules to be follow are display in the laboratory.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Link for Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View Document</a>
Link for Geotagged photographs of the facilities	<a href="#">View Document</a>

#### 7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell /Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling

**5.Maintenance of water bodies and distribution system in the campus****Response:** A. Any 4 or all of the above

<b>File Description</b>	<b>Document</b>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

**7.1.5 Green campus initiatives include:**

- 1.Restricted entry of automobiles**
- 2.Use of Bicycles/ Battery powered vehicles**
- 3.Pedestrian Friendly pathways**
- 4.Ban on use of Plastic**
- 5.landscaping with trees and plants**

**Response:** Any 4 or All of the above

<b>File Description</b>	<b>Document</b>
Various policy documents / decisions circulated for implementation	<a href="#">View Document</a>
Geotagged photos / videos of the facilities	<a href="#">View Document</a>
Any other relevant documents	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

**7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:**

- 1.Green audit**
- 2.Energy audit**
- 3.Environment audit**
- 4.Clean and green campus recognitions / awards**
- 5.Beyond the campus environmental promotion activities**

**Response:** A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Certification by the auditing agency	<a href="#">View Document</a>
Certificates of the awards received	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

### 7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Disabled-friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for persons with disabilities ( Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

**Response:** A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Details of the Software procured for providing the assistance	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

### 7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

**Response:**

The college strive to bridge the gap between various differences amongst students hailing from various regions, languages and communities by conducting various awareness programs.. The following activities are conducted to satisfy the objectives,



1. Cultural programs
2. Sports programs
3. Festival celebrations in the campus

Grievances are also redressed through the Students Grievances Cell. There are teams formed to execute projects and perform experiments in the laboratories that unite the students in diversity. Students are also encouraged to volunteer as students ambassadors for various programs such as Activity Based Learning, Women Empowerment Cells and Entrepreneurship development Cell. The college also celebrates the Independence Day and Republic Day grandly to inculcate patriotism in the college and also to create an inclusive environment by providing inspirational addresses to the students during those days. As a part of Swachh Bharath Initiative, students join hands together to make the campus clean and green. Students are also encouraged to be a part of NSS team from the first year onwards to make the students work together to achieve the desired objective.

YEAR	2015 -16	2016-17	2017 – 18	2018 – 19	2019 – 20
RESPONSE	2	7	9	10	13

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

**7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).**

**Response:**

The college conducts various activities at the college to sensitize the students and the employees regarding the constitutional obligations, values, rights, duties and responsibilities of the citizens such as Safety awareness, Traffic Rules awareness, Independence Day/ Republic Day Celebrations in order to understand the significance of the Independence and also to pay respect to the freedom fighters and to instill the spirit of patriotism amongst the students. Students are also sent to the nearby Government offices to assist them during the elections period to understand the importance of voting.

NSS volunteers were also sent to the nearby rural areas for various campaigns and awareness programs as a part of Swachh Bharath initiative. They also visited the affected areas during disasters such as Kaja Cyclone to distribute necessary and essential commodities to the needy and affected persons.

The need for blood donation is disseminated to the students and employees and every year a blood donation camp is organized on Chairman's Birthday to make the students aware of the significance of organ and blood donation. Students are taken to the nearby orphanages and old age homes to sensitize them about human values. The importance of tree plantation, hygiene, sanitation and cleanliness are stressed upon through conduct of various relevant activities in association with NSS and NGOs

YEAR	2015 -16	2016 -17	2017 -18	2018 - 19	2019 – 20
ACTIVITIES	2	4	7	9	9

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

**7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.**

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

**Response:** A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

#### Response:

India is known for its most diversified religious societies and cultures. In order to appreciate the amalgamation of cultural and religious identities, the college celebrates various festivals and days of National importance.

**Republic Day** honors the date on which the Constitution of India came into effect on 26 January 1950. Republic day is celebrated on 26th January every year.

The traditional festival of Tamils, **Pongal** is celebrated every year during January. The celebration reminds the students of the tradition of Tamil culture, the food system and the rich heritage.

International **Women's Day** is celebrated annually on March 8 to commemorate the cultural, political, and socioeconomic achievements of women

**World Environment Day** is celebrated on 5 June every year, and is the United Nations' principal vehicle for encouraging awareness and action for the protection of the environment.

**Independence Day** is annually celebrated on 15 August, as a national festival commemorating the nation's

independence from the United Kingdom on 15 August 1947.

**Teachers day** is celebrated on 5th September is the birth anniversary of a great teacher Dr Sarvepalli Radhakrishnan, who was a staunch believer of education and was a well-known diplomat, scholar, the President of India.

**Engineers Day** is celebrated annually on 15th September as a tribute to greatest Indian Engineer Sir. M Visvesvaraya every year. Essay competition is also conducting in the campus on this occasion to make the young minds to think the role of engineers in developing India.

**Gandhi Jayanti** is celebrated every year on October 2nd to mark the occasion of the birthday of Mohandas Karamchand Gandhi, who is called the "Father of the Nation".

The most loved President APJ **Abdul Kalam's birthday** is celebrating as Students' day on October 15th.

**Christmas**, also known as the 'Feast day of Christ', is celebrated on December 25 every year.

2015 -16	2016 -17	2017 -18	2018 - 19`	2019 -
2	7	7	9	9

File Description	Document
Link for Geotagged photographs of some of the events	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>
Link for Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

## 7.2 Best Practices

### 7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

#### Response:

#### Best practice 1 : Activity based Learning

##### 1. Title of the Practice : Activity based learning

**2. Objective of the Practice :** The aim of the practice “Activity based learning” is to hone the leadership skills amongst the students in various activities including technical activities, extra and co-curricular activities being conducted within the campus with the competitive spirit amongst various departments and also would improve the networking across various departments and batches of students. This would enhance the confidence level of the students during campus interviews and also the technical knowledge of the students.

##### 3. The Context:

There is a common practice of skilled students who are self motivated and who possess self confidence, participating in intercollegiate competitions. However, there still remained a few students with skills with less confidence who hesitate to participate in various activities such as paper presentations, symposia and conferences. To encourage students with skills and to expose their talents, this initiative was adopted for maximum participation of students in various activities. Analysis of this practice is done using statistics of participation of students in various activities and practices and the gradual improvement in excelling in their performance. The process was evaluated using the participation statistics in external competitions.

**4. The practice:** The responsibilities of students were assigned according to the interests and voluntary attitude of the students in organizing various activities such as advertising those activities within the campus and conducting the events successfully. The students were permitted to form their own committees for organizing the individual events. Creative thinking was enhanced amongst the students in bringing about innovativeness in the conduct of events and to communicate the same with the students’ community. Faculty meticulously guided the students to initiate the process and conduct the events successfully after proper planning. The level of students’ competency was also analyzed and was utilized to strengthen their hidden skills in an open forum.

**5. Evidence of Success:** The evidence of success is that students are able to perform independently and to

expose their skills without hesitation. The networking amongst all the students improved and they were able to identify their own senior mentors for their area of specialization.

## **6. Problems Encountered and Resources Required:**

The major challenge for the affiliated institutions is balancing between the academic schedule and these activities.

Dedicated students who have creative ideas and faculties from different department to inspire, encourage and to support students in all ways.

## **Best Practice 2 :Technical Premier League**

### **1. Title of the Practice: Technical Premier League**

**2. Objective of the practice :**The aim of the practice “Technical Premier League” is to bring out the technical skills of the students by forming specific teams to participate in activities such as Technical Paper presentations, Project Presentations, Robo and Drone races etc.

### **3. The Context:**

Students were assigned responsibilities of contacting HRs from leading industries as resource persons for various events for better interaction with industries.

Students were also provided with an open forum to interact with industrialists for future mentoring of their projects to take them forward towards various career options.

They were given an opportunity to award the winning students with the collected and available resources.

The students gain leadership and qualities to attain job readiness by being aware and participating in competitions raised to global standards.

The standard of projects are evaluated by Industry experts for real time applications.

### **4. The Practice:**

The responsibilities of students were assigned according to the interests and voluntary attitude of the students in organizing various activities such as advertising those activities within the campus and conducting the events successfully. The students were permitted to form their own committees for organizing the individual events. Creative thinking was enhanced amongst the students in bringing about innovativeness in the conduct of events and to communicate the same with the students’ community.

Faculty meticulously guided the students to initiate the process and conduct the events successfully after proper planning. The level of students’ competency was also analyzed and was utilized to strengthen their hidden skills in an open forum.

**5. Evidence of Success:**

The evidence of success is that students are able to perform independently and to expose their skills without hesitation. The networking amongst all the students improved and they were able to identify their own senior mentors and mentors from other leading organizations for future enhancement of their projects in their area of specialization.

**6. Problems Encountered and Resources Required:**

The major challenge for the affiliated institutions is balancing between the academic schedule and these activities. The students learned time management and project management to complete their projects.

Dedicated students who have innovative thoughts and Project coordinators from different department to inspire, encourage and to support students in multiple ways.

File Description	Document
Link for Best practices in the Institutional web site	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

**7.3 Institutional Distinctiveness****7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

**Response:**

**Response:**

**Distinctive Feature:** Holistic professional development through Training and PEC Technical Clubs

**Internal Trainings:**

Prathyusha Engineering college has high priorities in skill development of students to ensure career opportunities and is envisaged through internal trainings and practice portal training. PEC aims placing all the students irrespective of their academic performance. All students those whoever registers for placement will get placed in the Industries suiting to their technical skills, subject knowledge, interested domain, verbal and aptitude skills. Students with/without Backlog and History of arrears are also placed by imparting special placement training. Conducting the theory courses related to computer programming like Problem Solving using Python for all I Year students, C Programming, Data Structures, Database Management Systems, Web technologies and Internet Programming are conducted in compute laboratory. It is a unique practice at Prathyusha Engineering College which helps the students to practice hands-on of

all the concepts that they learn in the course.

The training departments identifies the requirements of various Industries while recruiting freshers and plans for equipping the students towards meeting the expectations of recruiters. These training departments add courses from their first year itself to mould them properly towards the employability skills.

Students are trained in Python, C, C++, Java Programming, aptitude skills, Soft skills, etc., by expert faculty members. Exclusive time slots are allocated for each batch of students from I Year to IV Year. The resources are computer labs specially designed for placement activities are utilized for the same. These labs provide unique sophistication towards the prime features like High Speed Internet Connectivity, high configured system, PC's, Monitor, head phones, speakers and Projectors.

The practice portal through skill rack is provided for all the students to practice coding in PYTHON/C/C++/JAVA, verbal as well as Aptitude to improve their employability skills. Problem solving at different complexity levels

### **Placement Trainings:**

Apart from the knowledge in the regular curriculum courses, students are expected to have sound knowledge in problem solving, analytical thinking, leadership qualities, team playing skills, etc. Holistic development of making the students as a full fledged. Engineering Graduate is given

Company Oriented Trainings are conducted for the final year students towards the requirements of placing them in MNCs like TCS, INFOSYS, ACCENTURE, WIPRO, ZIFO, etc. Expert trainings for 30 hours to 90 hours on aptitude, verbal, soft skills and technical are organized according to the expectations of the Industries.

### **Technical Clubs:**

Technical Clubs at Prathyusha Engineering College are unique of its kind and is a platform focusing on equipping the students with the necessary expertise in the domains of the students' interest. Through these technical clubs, seminars, Industry Expert Interactions, workshops and Guided self-learning sessions are arranged to enable continuous learning in the respective technologies. Alumni and higher semester students will guide the juniors in learning and doing projects. Project Exhibitions and various activities including paper presentation, Idea Generation, Quiz, etc are conducted by the student coordinators. Students are getting molded as a whole with the technical knowledge, problem solving skills, analytical skills, presentation, coordination, team playing skills and are becoming ready towards meeting the expectations of Industries

All students are encouraged to enroll in minimum 2 clubs out of which one being the Coding Club. Technical clubs on various domain including Data Science, IoT, Mobile Applications, Web application, Cyber security, Robotics Automation, Antenna Design, Signal Processing Image Processing, Wireless Sensor Networks, Auto CAD, Bike Assembly, Car Assembly, Manufacturing Process Club, Professional Lighting Design Club, Manufacturing Process, Electrical Wiring Club, ETAP Club, Architectural Club,



Enviro Club Structural Club, Bioinformatics Club etc., have been established and the faculty coordinators and student coordinators are organizing various activities for a consistent learning in the respective domains. Conducting Workshops in new domain such as ICT sales force, Amazon Web services, Gaming Hacking.

These Clubs are also associated with IEEE (Institution of Electrical and Electronic Engineers), Computer Society of India, ISTE and Institution of Engineers (IE), ISHRE Societies where students are members and are encouraged to organize events towards knowledge exchange by experts from Industries and Academia.

The main focus of the clubs and Centers of learning (COL) is to provide a platform where students can exchange knowledge, build awareness, generate interest and receive recognition, to promote a spirit of team work and brotherhood among all students of the institute, bridging difference in the state origin, and diversity of the cultures and foster the social aspect, to create a truly multi-cultural environment where students from diverse cultural backgrounds share each other's experiences in a most cordial manner, to inculcate leadership, entrepreneurship and innovation among students, to provide a platform for students to display their talents, drive their passions and explore new horizons and to provide opportunity to the students connect, communicate and collaborate with industry experts.

#### **Skill Development Academy:**

Students' skill development academy have been established through the MoUs executed with various Industry Partners and Educational Partners like INFOSYS CAMPUS CONNECT, Ni LabView Academy, COURSEERA, ORACLE ACADEMY, ICT ACADEMY, etc.

National level seminars, workshops and learning initiatives are conducted through these academies to prepare our students towards competing with the peers at world level. Focused trainings are conducted for pre-final year students in specific technologies to enable them to get placed in the domains of their interests. Value added courses on CLAD certification training through NI LABVIEW, INFYTO trainings through INFOSYS Campus Connect, Advanced Tool CATIA V5 Trainings, etc. are organized. These Academies are conducting workshops in current technologies such as sales force, Amazon Web services, Gaming & Hacking.

#### **Internships:**

Second, third and final year students of BE program are encouraged to undergo 1 week or 4 weeks long internship in leading organizations as a part of their curriculum. This enables them to get exposure to real time Industry practices. Students are encouraged to implement course-based projects as an outcome of their laboratory course. This method intends creative imitation leading to research and innovation. Course-based Projects are developed for the laboratory courses of every semester and are presented.

<b>File Description</b>	<b>Document</b>
Link for appropriate web in the Institutional website	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

NAAC

## 5. CONCLUSION

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### Additional Information :

Prathyusha Engineering College always endeavours towards honing the students skills to attain various career demands such as research, innovation, entrepreneurship, leadership skills and personality development. In this direction the college has achieved in various dimensions, a few of which are mentioned below

Ranked among Top 20 in Self-Financing colleges in India, in ATAL Ranking of Institutions on Innovation Achievements in the year 2020.

Institution Innovation Council (IIC) of PRATHYUSHA ENGINEERING COLLEGE, has received 5-star rating certificate in 2020.

<https://mic.gov.in/assets/zone/SRO.pdf>

Certified in Recognition as Scientific and Industrial Research Organizations (SIRO's

Ranked no.20 among private engineering institution for excellence in academic and research by Times of Now in the year 2020.

Palo Alto Networks Authorised Cybersecurity Academy (Centre for Excellence)

MoU with HDFC for Entrepreneurship Development Programme in association with ICT Academy

**SMARTINDIA HACKATHON 2020 -Winner** Hardware version

Institute Recognition for Successful completion of 722 students certifications in New India Learnathon 2020 organized by ICTACADEMY.

TNSI- TAMIL NADU STUDENT INNOVATORS PROGRAME- 2019-second prize for AGROMANZZ,

Dr.P.DHASARATHAN", Head of the Biotechnology Department received "Best Researcher Award", at International Academicians and Research's Conclave and Awards 2020.

77 girls students of third year CSE & ECE are trained by DXC Technologies WEP as part of the women empowerment programme.

centre of excellence in Robotics and Automation will be established during 2021-22 academic year for the benefit of ECE, Mechanical, Mechatronics and EEE Students.

Centre of Excellence in Artificial Intelligence will be established for the benefit of students of various disciplines in the year 2021-22.

Students project has won first prize in 48 hours Online Android Development conducted at National Level

( <https://youtu.be/HM6bec7mm6U> )

## **Concluding Remarks :**

The college being situated in a rural area has succeeded in its efforts to educate, train and place the rural students in their desired career preferences. The college has strived to mould the students to be industry ready through Internships, In Plant Training, Industry Expert Interactions organised by Technical Clubs and Centres of Learning which are offered beyond the curriculum and some of them being executed in alignment with Memorandum of Understanding. The college is able to train the students exclusively with Technical Talents through ICT Academy which offers FDPs and workshops for the faculty via the Train the Trainer Model. Activity based Learning, a student led Activity is practiced in the campus that build leadership qualities, teamwork, knowledge upgradation, etc.

There is a meticulous Mentoring system with encourages all the students to cope with their weaknesses and the confident students are made aware of their opportunities ahead through alumni interaction and career guidance programmes. Parents Teachers Meetings are organised to bridge the gap between the Management, Principal, students, faculty and parents and to work together for the overall development of the students.

The IQAC cell monitors and derives strategies for the challenging issues every year and strives towards continuous improvement in all disciplines for holistic students development and to impart quality education to the students through annual audits. In this regard with reference to the recommendations of the previous NAAC peer team, there has been a Solar Grid system which provides 250 KVA of power satisfying 75% of the electrical requirements, research culture has been disseminated amongst the students and faculty that has improved the number of Publications, faculty with Ph.D, Consultancy Work and patent publications. An Exclusive Innovation Cell with incubation facility has been provided by MHRD where students are funded for screened and innovative projects .Faculty are also sponsored for International Conferences via the Travel Grant provided by AICTE and some of them by the College.

Hence the college has gradually endeavored to improve upon the niche areas of students progression and development.