



## Yearly Status Report - 2019-2020

### Part A

#### Data of the Institution

Part A	
<b>Data of the Institution</b>	
<b>1. Name of the Institution</b>	St PETERS ENGINEERING COLLEGE
Name of the head of the Institution	Dr K.Sree Latha
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	09849006415
Mobile no.	9959222268
Registered Email	principal@stpetershyd.com
Alternate Email	tvreddy@stpetershyd.com
Address	Opp. Forest Academy, Dhulapally, Maisammaguda, Medchal District
City/Town	Hyderabad
State/UT	Telangana
Pincode	500100

<b>2. Institutional Status</b>	
Affiliated / Constituent	<b>Affiliated</b>
Type of Institution	<b>Co-education</b>
Location	<b>Urban</b>
Financial Status	<b>Self financed</b>
Name of the IQAC co-ordinator/Director	<b>Dr.S.K.Senthil Kumar</b>
Phone no/Alternate Phone no.	<b>919030042268</b>
Mobile no.	<b>9095656096</b>
Registered Email	<b>principal@stpetersshyd.com</b>
Alternate Email	<b>iqacspecl9@stpetersshyd.com</b>

<b>3. Website Address</b>	
Web-link of the AQAR: (Previous Academic Year)	<a href="https://www.stpetersshyd.com/category.php?mnlks=12&amp;catid=25">https://www.stpetersshyd.com/category.php?mnlks=12&amp;catid=25</a>
<b>4. Whether Academic Calendar prepared during the year</b>	<b>Yes</b>
if yes,whether it is uploaded in the institutional website: Weblink :	<a href="https://www.stpetersshyd.com/academics/academic-calendar/68">https://www.stpetersshyd.com/academics/academic-calendar/68</a>

<b>5. Accrediation Details</b>					
Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
<b>1</b>	<b>A</b>	<b>3.03</b>	<b>2017</b>	<b>30-Oct-2017</b>	<b>29-Oct-2022</b>

<b>6. Date of Establishment of IQAC</b>	<b>01-Jun-2016</b>
---	--------------------

<b>7. Internal Quality Assurance System</b>
---

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

One day workshop on Refreshing Autonomous	30-Sep-2019 1	120
One Day Workshop on Course Assessment(Civil & ECE Faculty )	15-Feb-2020 1	40
<a href="#">View File</a>		

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

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
ECE	MODROBS	AICTE	2018 730	921000
Dr Rajasekar	GOC	AICTE	2019 365	500000
Dr Diana Moses	Data Analytics in Pharmaceutical Management	National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad	2018 730	150000
Dr M Sharadha Varalakshmi	Identification of Sickle Cell Anemia using Deep Neural Networks	TEQIP	2018 365	300000
Dr Diana Moses	Skill and Personality Development Programme	AICTE	2018 1095	1140000
<a href="#">View File</a>				

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

Yes

Upload latest notification of formation of IQAC

[View File](#)

**10. Number of IQAC meetings held during the year :**

9

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

**11. Whether IQAC received funding from any of the funding agency to support its activities**

No

during the year?

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

1.Feedback Systematized 2.Reviewed the Programme of implementation of Strategic Plans 3.Revised the Faculty Performance Appraisal System 4.Measures are taken to ensure health and safety of Faculty and Students by employing a Visiting Doctor and Inspection of Hygiene and quality of food served at the canteen and cafeteria by regular visit of Committee Members. 5.Established new labs including knowledge/project labs.

[View File](#)

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

Plan of Action	Achivements/Outcomes
Provide Quality enhancement programmes for the faculty	Faculties attended FDPs (Online) and participated in Webinars.
Encourage faculty and students toward entrepreneurship	Seminars are conducted by the EDC.
Provide more training exposure to students to enhance their placement opportunities.	Crash course to train the students was conducted and there has been a considerable increase in the job offer for placements.
To Create more internship opportunities for student in association with industry	Internship opportunities.
Initiates Skill Development Programmes in cutting edge technologies.	Conducted Webinars through Online Mode.
Set up a Future Technologies Lab in the campus.	Plan of action is initiated.
Periodically modernize Labs to meet the requirements as well as enhancement of Curriculum.	Some of the Labs have been modified
To Organize International Conferences and National Level Workshops.	Organized one International Conference ICCEEE2020(AICTE Sponsored International Conference on Recent Trends in Computers, Electronics and Electrical Engineering)
Prepare and submit project proposals for external funding and collaboration with other research organizations, industries and Government Agencies.	Various Proposals are submitted and details of projects are annexed.
Enhance the Quality of Teaching and Learning by introducing Innovative Teaching.	Active and Cooperative learning introduced was proved to be beneficial for the students belonging to different levels

[View File](#)

14. Whether AQAR was placed before statutory body ?	Yes				
<table border="1"> <tr> <td>Name of Statutory Body</td> <td>Meeting Date</td> </tr> <tr> <td>College Academic Committee</td> <td>25-Sep-2020</td> </tr> </table>		Name of Statutory Body	Meeting Date	College Academic Committee	25-Sep-2020
Name of Statutory Body	Meeting Date				
College Academic Committee	25-Sep-2020				
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes				
Date of Visit	30-Oct-2019				
16. Whether institutional data submitted to AISHE:	Yes				
Year of Submission	2020				
Date of Submission	24-Jul-2020				
17. Does the Institution have Management Information System ?	Yes				
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>The following Mechanism are in place for effective and quick dissemination of information to all the stakeholders.</p> <p>1.Intercom 2.Emails 3.Whatsapp group 4.SMS 5.Website 6.Information Technology Management Services ? Provides quality IT Service for the Institution in research, Academic and administrative needs. ? It has 3 subunits namely Server Administration(Bees), Network administration, system support.</p>				

## Part B

### **CRITERION I – CURRICULAR ASPECTS**

#### **1.1 – Curriculum Planning and Implementation**

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

The St.Peter's Engineering College is affiliated to the Jawaharlal Nehru Technological University, Hyderabad (JNTUH) and approved by AICTE. It conducts six UG courses and one PG course in Engineering. The Institute follows the curriculum provided by Jawaharlal Nehru Technological University; the following initiatives have been taken up by the College. • Institute has constituted an Academic Committee (AC) comprising of Principal, Heads of the Department (HODs), Institute Academic Coordinator (IAC) and Department Academic coordinators (DAC) which is responsible for planning and monitoring of overall academic activities and its functioning. Principal receives inputs from IQAC, Academic committee and Department Advisory Board (DAB). Based on these inputs

Co-curricular and extra-curricular activities are planned in academic calendar.

- Each department prepares academic calendar in line with the University. IQAC consolidates the academic calendar prepared by the departments and prepares Institutes academic calendar which is submitted to Principal for its approval. Principal conducts a common meeting with all teaching and non-teaching staff before commencement of every semester. Students are made aware of commencement of semester through common notice and SMS.
- As per the prescribed syllabus of the University, HOD allocates the teaching load to faculty members who prepare their course plan in-line with the departmental academic calendar. Department Time Tables are integrated to the Master Time Table and is monitored by a Committee Chaired by the Principal. This ensures that the curriculum is executed systematically. Individual faculty uploads unit-wise course plan before commencement of semester.
- The detailed course file with CO- PO-PSO mapping is prepared by each faculty member. Institute has adopted innovative and creative teaching learning process, tools and techniques by implementing advanced concept of pedagogy, use of ICT, learning management system, student centric methods, participative learning, student seminars, flipped class room etc. for enhancing teaching and learning experience. The effective implementation of curriculum is ensured by supplementing classroom teaching with expert lectures, seminars, mini projects, in-house and industry supported projects, industry visits, industrial internships, hands-on-sessions, tutorials, case studies, e-learning, NPTEL lectures, MOOCS, knowledge wall, technical quiz, assignments, internal-tests etc.
- Topics beyond curriculum are identified and taught both in the classroom and in the laboratory to expose students to recent trends in the industry. Institute has taken initiative to provide soft skill training, value added courses and counseling for holistic development of students. IAC ensures the progress of syllabus coverage every fortnight.
- SMS are sent to the parents of defaulter students. Students' feedback is taken twice in semester. Continuous assessment for Practical, Term work, Projects, Seminars, internal examination, assignment evaluation is being continuously monitored by AC. Academic audit is the part of the teaching learning process which is reviewed by the academic committee. Institute has its own stakeholder's feedback policy in place. Inputs taken from various stakeholders are summarized and recommendations are communicated to the BOS for curriculum revision.
- Teacher evaluation by students is conducted in each Semester and the teachers are advised about the strength and weakness of their Teaching methods. Statistical analysis of examination results.

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

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Python Programming	Nil	27/07/2020	5	Employability	Programming Knowledge
Web Development	Nil	27/07/2020	5	Entrepreneurship Employability	Project Design
Programming for Problem Solving	Nil	29/07/2020	6	Employability	Programming Knowledge
Programming for Problem Solving	Nil	27/01/2020	6	Employability	Programming Knowledge

Through NPTEL						
Special Machines	Nil	03/09/2020	6	Employability	Industrial Knowledge	
Python Programming by ECE	Nil	16/12/2019	6	Employability	Knowledge in Designing	
3D Modeling technique - Catia	Nil	09/12/2019	30	Employability	3D Modelling Skill Development	
Campus Recruitment Training for ECE	Nil	05/08/2019	30	Employability	Soft skill, Aptitude Training	
Coursera	Nil	10/06/2019	27	Employability	Skill Development	
Oxford Achiever	Nil	22/06/2019	168	Employability	Skill Development	
Linux Administration	Nil	27/07/2020	5	Employability	Skill Development	
Campus Recruitment Training for CSE	Nil	05/08/2019	30	Employability	Skill Development	
Product / Project Development (Start-up Management)	Nil	05/08/2019	6	Entrepreneurship	Skill Development	
Campus Recruitment Training for EEE	Nil	05/08/2019	30	Employability	Skill Development	
IOT for Home Automation	Nil	03/09/2020	6	Employability	Skill Development	
Introduction to Robot Design	Nil	16/12/2019	6	Employability	Skill Development	
Auto CAD	Nil	16/12/2019	6	Employability	Skill Development	
Campus Recruitment Training for Mechanical Engineering	Nil	05/08/2019	30	Employability	Skill Development	

## 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Information Technology	05/08/2019
<a href="#">View File</a>		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	INFORMATION TECHNOLOGY	15/07/2019
BTech	Computer Science and Engineering	15/07/2019
BTech	Electronics and Communication Engineering	15/07/2019
BTech	Civil Engineering	15/07/2019
BTech	Electrical and Electronics Engineering	15/07/2019
BTech	Mechanical Engineering	15/07/2019
Mtech	Electrical Power Systems	15/07/2019
Mtech	Machine Design	15/07/2019
Mtech	Embedded System	15/07/2019
Mtech	Computer Science and Engineering	15/07/2019

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

	Certificate	Diploma Course
Number of Students	2055	0

### 1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
<b>No Data Entered/Not Applicable !!!</b>		
<a href="#">View File</a>		

### 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes



Parents

Yes

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

## Feedback Obtained

The Process of obtaining Student Feedback • Verbal feedback is collected after 15 days of starting of semester to know on the quality of teaching and other aspects so that immediate corrective action can be taken at the beginning. This will be done twice a semester. The second verbal feedback will be collected immediately after the first mid examination. • Written feedback is collected from the students with the parameters given by the chair and feedback form is prepared with respective subject names mentioned. These feedback forms will be distributed to the students of every section in their respective departments. A separate Space is provided in to write suggestions from students. Feedback is collected twice a semester. First in 3rd week of class work commencement and second in 13th week of class work. The process is carried by the Head of the department along with other professors of the college. Average Percentage of students who participate in feedback collection • Students with more than 75 attendance are considered for taking feedback. This percentage will be above 80 of roll list. Specify the feedback analysis process: • Analysis of feedback will be done in two steps. In each form average of every subject for all the parameters and noted below the respective subject column. After that average of all the forms for every subject is calculated. Parameter wise analysis is also done so that corrective action can be taken according to the parameter. By doing so a clear figure will be obtained and every subject and for respective faculty member. • Focus of the Student Feedback Form 1. Punctuality of the teacher. 2. Subject knowledge 3. Teaching with Innovative Ideas Subject Materials 4. Audibility and clarity of expression (Communication). 5. Ability to maintain the discipline in the class. 6. Clarification of doubts. 7. Implimentation of Audio-Video equipment in the class. 8. Subject revision. 9. Syllabus coverage within allotted time. Faculty members who achieved 90 of positive feedback from every department will be given letter of appreciation from head of the institution. Faculty members who achieved 80-99 will be given letter of appreciation from head of the institution. Faculty members who obtained 50- 69 are considered as normal performers and head of the department gives some orientation classes to improve in all aspects.

**CRITERION II – TEACHING- LEARNING AND EVALUATION****2.1 – Student Enrolment and Profile**

## 2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

**2.2 – Catering to Student Diversity**

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	411	10	130	10	140

## 2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
140	140	23	56	15	10

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

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

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

Mentoring student is a unique interactive and target oriented system involving student address common student concern ranging from anxiety, stress, fear of change and failure to home sickness and a slew of other academic worries. Through counselling individual can explore alternatives build on individual strength and develop new skills. Counselling gave a opportunity in a quiet and supportive to environment to take the time to stop, think and time to plan. The feelings and concern about family, health, and work deserve attention. With sensitive and caring feedback, individual gain new awareness and learn to deal the challenges with a new productive way. It is a process of creating a supporting relationship with teachers, parents and students aiming at comprehensive development of students. In this activity, mentor helps a less experienced student to bring with them a higher level of experience for value of life. Mentoring helps to shape an individual's belief and values in a positive way.

There are many benefits of mentorship in student development and includes communication, interpersonal relationship. Technical, verbal and communication skills along with creativity and motivating the students to participate in the co-curricular and extra curricular activities. Repare the students and staff members to face the challenges in the livo to handle anxiety, depression, and other problems. Mentor to student ratio is 1:15 and Department Head hold a meeting once in month with mentor co-ordinators and issues are discussed and recorded and resolved. Students allocated with specific mentor will remain with him/her throughout the semester and mentor allocated to students of III semester to VIII semester remains with him/her throughout his studies in the college along with a new mentor appointed in each semester who is teaching the class with a respective class. The mentor establishes contact with parents through mobile and inform the progress of wards interms of attendance and regularity, attentive to class work and his behavioral attitude in the campus wherever necessary. The mentee meets the mentor once in fifteen days sand records the achievements, doubts and grievances etc., which were discussed in the departmental mentor meetings. Basing on the issues the mentor counsel the student. Depending on the severity of issues of mentee, he/she is forwarded to central counseling where the mentee is counseled by professional counselors, appointed by college. The timely and extensive implementation of mentoring generates healthy interaction between students, parents and teachers and results in less student grievances. The Mentoring activity at SPEC is helping the students for overall comprehensive

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2068	140	1 : 15

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
140	140	0	30	27

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies

2019	Dr Rajasekar	Associate Professor	Vedant Academics Bankok Awards 2019
<a href="#">View File</a>			

## 2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
<b>No Data Entered/Not Applicable !!!</b>				
<a href="#">View File</a>				

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

Continuous monitoring of the students is maintained throughout the year. Internal Assessment test had been conducted throughout the academic year in order to monitoring the capability of the students. Along with that model test was also been conducted to train the students for the semester examination. Tests are conducted to make the students fully thorough in their respective subjects. Internal marks were considered for 25 marks and for that 14 marks should be taken by the student to get pass mark. Class tests, two internal assessment and two mid semester examinations are being conducted in a semester to enhance the writing and practical skills of the students. Discipline of the students was strictly maintained. All the students were instructed to strictly shave their beards and should tuk-in shirts in order to improve the interpersonal skills of the students. The attendance of the students should be kept above 75 to be eligible for writing the semester examination. Attendances must be entered in SARA software so that the attendance of the students can be easily consolidated at the end of the semester. In order to assess and increase the students learning ability the evaluation patterns are framed. It includes internal assessment and class tests, model examinations, viva voce and mini projects. The end semester examinations and evaluations are done by the JNTUH i.e., affiliated university. Remedial classes are taken for academically weaker students at the end each semester. Students are motivated to involve in doing the real time projects and present their innovative ideas in Techfests, national and international conferences. Project progress is monitored periodically in IV/II semester by departmental committees specially constituted for this purpose. The college is in the process of forming the Internal Quality Assurance Cell (IQAC). In order to implement a system for conscious, steady and catalytic improvement in the overall performance of college, it follows NAAC and NBA criteria for improving the teaching-learning process. Various student centric activities such as seminars, model making, group discussions, presentation and demonstrations are also useful for evaluation of students apart from it, the Quality Improvement Cell is also functioning in the college under the senior faculty member.

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

The Institute is affiliated to Jawaharlal Nehru Technological University Hyderabad. The University publish academic calendar every semester, which contains the date of reopening, mid semester examination schedule, vacation break, University practical and theory examination schedules, and last working date. The institute follows the academic calendar of Jawaharlal Nehru Technological University Hyderabad as guideline. The Institute also Prepares an academic calendar in align with University academic Calendar at the beginning

of every semester that consists of a planned schedule of departmental activities and functions like symposiums, workshops, conferences, guest lectures, internal assessments, industrial visits, project expo, model theory and practical examinations, association activities, annual day celebration, and convocation day. Lesson plans are prepared well in advance to complete the syllabus within the period prescribed by the university. Course and lecture plans prepared by the faculty are well-structured for the effective delivery of course. The time table is prepared for all the theory and laboratory courses in adherence to the University curriculum and academic calendar. The class hours are planned to ensure optimum utilization of time for effective teaching and tutorial other academic activities. Besides, few periods are allocated for other co-curricular and extracurricular activities such as library, seminar, placement classes, and sports etc.. Unit tests and a model examination are being conducted in a semester. In accordance with University norms, the internal marks are calculated based on the performance of the students in the assessment tests.

## 2.6 – Student Performance and Learning Outcomes

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

<https://www.stpetershyd.com/index.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
05	BTech	CSE	158	126	79.26
01	BTech	Civil	50	46	92
02	BTech	EEE	66	52	78.79
03	BTech	Mechanical	78	52	66.67
04	BTech	ECE	106	87	82.08

[View File](#)

## 2.7 – Student Satisfaction Survey

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

<https://www.stpetershyd.com/igac/aqar/25>

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	180	AICTE AQIS	1797000	1445000

No file uploaded.

### 3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Matlab workshop by Pantech and st.peters dept of ECE	ECE	23/08/2020
Five day FDP on Teaching Learning Tools setup and assessment for next generation	Mechanical Engineering	17/05/2020
Five day FDP on Emerging Trends in Mechanical Engineering	Mechanical Engineering	01/06/2020
Best practices in Engineering Education and Research Teaching Methodologies Publication Strategies Intellectual Property Rights	Common to All	24/06/2019
One week national level FDP on Teaching Learning Tools Setup and Assessment for Next Generation	Common to All	17/05/2020
Patenting your innovations	Common to All	16/06/2020
Webinar on Next Generation AI Technologies for Cyber Physical System	Civil Engineering	13/05/2020
Five days FDP on Innovative Technologies in Civil Engineering and Applications (ITCA)	Civil Engineering	01/06/2020
A three day online workshop on QCAD	Civil Engineering	24/06/2020
One week national level FDP on RUBY PERL programming in association with IIT-Bombay	CSE	03/06/2020
One week international FDP on Disruptive technologies	CSE	26/05/2020
One week national level FDP on Python Programming	CSE	01/07/2019
Wired and Wireless Network Simulation using Network Simulator	ECE	19/07/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
System and	Dr.	IP India	21/11/2019	Patent

method to control turn indicators of automobiles	AnjaiahAdepu et al.			
A System and Method of Mechanical Rotary to reciprocating via Meta material Mechanism	Dr. Diana Moses, Mr. V. Gajendra	IP India	21/11/2019	Patent
Augmented Reality Equipment for Physically Challenged	Devank rastogi,veda samhitha,K.revant h,C.mahesh Redd y,Rohit,Surthi, K.Samuel.	AICTE	01/08/2020	Student innovation
Intelligent control system for vehicles	Dr. Anjaiah Adepu	IP India	05/11/2019	Patent
<a href="#">View File</a>				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
<b>No Data Entered/Not Applicable !!!</b>					
<a href="#">View File</a>					

### 3.3 – Research Publications and Awards

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

State	National	International
	25	17

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

Name of the Department	Number of PhD's Awarded
CSE	1
ECE	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
National	Mechanical Engineering	5	0.96
International	ECE	8	4.34
International	EEE	8	2.73
International	Civil Engineering	3	4.69
International	Humanities and Science	23	6.3

[View File](#)

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

Department	Number of Publication
CIVIL ENGINEERING	1
CSE	6
Mechanical	2
<a href="#">View File</a>	

3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

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

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
<b>No Data Entered/Not Applicable !!!</b>						
<a href="#">View File</a>						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	247	0	10
Presented papers	Nill	2	0	0
Resource persons	Nill	Nill	1	Nill
<a href="#">View File</a>				

**3.4 – Extension Activities**

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
3 days Workshop on QCAD	IIT Bombay	2	460
Ensuring safer metro travel post lockdown workshop on IOT,Robotics , PCB Design and Mobile Aap design	LT Hyderabad	1	200



Refresher Course on "Energy Conservation and Management - Issues and Methodologies"	JNTUH	2	180
Refresher Course on "Energy Conservation and Management - Issues and Methodologies" 5th international yoga day	SPEC	5	200
Gandhi padayathra and independence day celebrations	SPEC	5	150
MEGA Haritha haram	SPEC	5	100
NSS orientation day	SPEC	2	100
Gandhi youth conclave	JNTUH	4	40
Road safety week	SPEC	6	200
Rural immersion camp by MGNRCE	MGNRCE	6	100
<a href="#">View File</a>			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Teaching and learning	Best teacher	Rotary club, Secundrabad	2068
<a href="#">View File</a>			

3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
NSS	Red cross SPEC	Blood donation camp with red cross society	10	300
<a href="#">View File</a>				

### 3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Consultancy	Dr Diana Moses	National	190



provided on Data Analytics		Institute of Pharmaceutical Education and Research (NIPER), Hyderabad	
<a href="#">View File</a>			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Industry internship	PLANNING AND CONSTRUCTION OF HIGHRISE BUILDINGS	HALL MARK CONSTRUCTION	01/06/2019	02/07/2019	2
<a href="#">View File</a>					

3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

## CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
83.5	83

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
<a href="#">View File</a>	

### 4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
New Gen.Lib	Fully	3.1.5	2016

4.2.2 – Library Services

Library	Existing	Newly Added	Total

Service Type						
Text Books	46020	10565524	819	345419	46839	10910943
Reference Books	5185	3347798	172	80228	5357	3428026
Journals	1308	2079778	113	247810	1421	2327588
e-Journals	15787	2686454	2005	73660	17792	2760114
e-Books	74	0	1676	0	1750	0
CD & Video	1911	0	32	0	1943	0
Library Automation	Nil	223605	Nil	12390	Nil	235995
Weeding (hard & soft)	2642	537028	21	5491	2663	542519
Digital Database	Nil	101140	Nil	13570	Nil	114710
Others (specify)	Nil	1301934	Nil	176640	Nil	1478574
<a href="#">View File</a>						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
<b>No Data Entered/Not Applicable !!!</b>			
<a href="#">View File</a>			

#### 4.3 – IT Infrastructure

##### 4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	1070	28	180	2	2	18	70	100	0
Added	76	1	0	0	0	0	0	0	0
<b>Total</b>	<b>1146</b>	<b>29</b>	<b>180</b>	<b>2</b>	<b>2</b>	<b>18</b>	<b>70</b>	<b>100</b>	<b>0</b>

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

100 MBPS/ GBPS
----------------

##### 4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Youtube Videos	<a href="https://www.stpetersshyd.com/">https://www.stpetersshyd.com/</a>

#### 4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
1.8	1.77	1.2	1.15

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

The physical facilities including Laboratories, Classrooms and Computers etc. are made available for the students those who are admitted in the college. Separate funds are allotted to all H.O.D of the respective department for maintenance of the laboratories and the classrooms which a part of the teaching and the learning processes. The classrooms boards and furniture facilities are utilized regularly by the students but sometimes it is also made available for the other governmental and the non-governmental organizations for conducting the exams, if not in use for the said period. The maintenance and the cleaning of the classrooms and the laboratories are done with the efforts of regular staffs of the institute. The college garden is maintained by the gardener appointed by the institute. The college has adequate number of the computers with internet and Wi-Fi connections and the utility software distributed in different departments like office, laboratories, library, etc. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. The central computer laboratory connected in LAN is open for the students as time permits them, the office computers which are also connected through the LAN is consisting of the office software making work easier and systematic are restricted their use only to the appointed office staff. The library is also provided LAN facility for the computers and they are loaded with the library software. The departments and the staff can make use of the computer system with internet at their seating places in addition that majority of the staff has their own laptops and the internet providing instruments all those computer related facilities are under AMC. A competitive examination section is established by the college in the library, which supports the students preparing them for competitive exam and motivate them for debate competition etc. Most of the students are utilizing this opportunity. The ICT Smart Class Rooms and the related systems are maintained with AMC of the corresponding service provider. Electrical and the plumbing related maintenance is done with the help of Institute appointed skilled persons and the expenditure is done from yearly allotted budget approved by the competent authorities. The academic support facilities like library, the sports and other platforms supporting overall development of the students like NSS or Competitive examination cell etc. is open only to the college students. 24X7 hours accession is permitted. A provision of the budget for the library maintenance is made by the college management. The activities like fumigation and keeping library clean is done frequently by library staff. The sport department of the college is meritorious and some credit defiantly goes to the adequate infrastructure of this department consisting of volleyball court, badminton court can be used by student staff.

<https://www.stpetershyd.com/>

#### CRITERION V – STUDENT SUPPORT AND PROGRESSION

##### 5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Nil	Nil	Nil
Financial Support from Other Sources			
a) National	Nil	Nil	Nil
b) International	Nil	Nil	Nil
<a href="#">View File</a>			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
JUSPAY, HITACHI, WIPRO, NTT DATA, COGNIZANT SPECIFIC TRAINING	06/09/2019	64	SPEC
Jaro Recruitment specific Training	03/08/2019	51	SPEC
Yoga	21/06/2019	100	Faculty of SPEC
Soft Skills	22/07/2019	450	Faculty of SPEC
Remedial coaching	01/05/2020	200	Faculty of SPEC
Language Lab	22/07/2019	450	Faculty of SPEC
Bridge Course / Induction programme	05/08/2019	450	Faculty of SPEC and Resource Persons
Yoga	21/06/2019	100	Faculty of SPEC
Personal counselling	22/07/2019	223	Psychiatrist
Mentoring	15/07/2019	2058	Faculty of SPEC
<a href="#">View File</a>			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2020	Career Guidance on Cracking GATE , TOEFL, IELTS	242	242	26	217
<a href="#">View File</a>					

5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
21	21	3

## 5.2 – Student Progression

### 5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
35	454	214	17	454	29
<a href="#">View File</a>					

### 5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2020	18	B.Tech	CSE/Mech	Montreal College of Information Technology, Canada	MS
<a href="#">View File</a>					

### 5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	0
<a href="#">View File</a>	

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

Activity	Level	Number of Participants
15th August Sports Competition for faculty	Intra College	48
JNTUH Central Zone CHESS and BADMINTON	Inter College	56
Annual Sports Meet for faculty	Intra College	82
Annual sports meet for students	Intra College	332
Teacher's Day	Intra College	67
Bathukamma Celebrations	Intra College	120
Under 25 Summit	Intra College	250
Christmas	Intra College	332
Umang 2020-Traditional day	Intra College	512
Let the Tune Up-The	Intra College	215

musical night

[View File](#)

### 5.3 – Student Participation and Activities

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

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

No Data Entered/Not Applicable !!!

[View File](#)

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

Student Council (SSC) representatives actively participate in various activities. They help in coordinating all the events related to academics and other cocurricular Extracurricular activities, as per the directives of teaching faculty. They also motivate other students to take part in the activities conducted by the Institute. They work as a medium between faculty and students. It encourages the students to develop their leadership skills through these activities. Student members in this council can become real heroes and competent managers in future by learning all these skills. The composition of student members is of one topper, one average and one slow learner (the one who has more integrity with other students) of each section are nominated as class representatives, for all the sections from I Year to Final Year. The Student Council helps students share ideas, interests, and concerns with lecturers and principal. They often also help raise funds for wide activities, including social events, community projects, helping people in need and college reform

### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The college has an Alumni Association with the name of SPECANCIENS. Alumni Association functions under the leadership of Dr. A. Anjaiah Professor in CSE. The association started in 2016 with its registration number 32/2016. Its motive is to bring together all the alumni to share their experiences and to extend their helping hand and provide guidance to the budding engineers of the college. All the graduates become members of alumni. The Alumni spreads around the globe, support the college various activities. It organizes yearly meet in the college, Hyderabad/Bangaluru. Alumni association organizes technical seminars/guest lecturers, motivates and guide the students for their improvement and career planning.

5.4.2 – No. of enrolled Alumni:

342

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

Session Date	Session Name	Session type	Facilitator Name	Facilitator Occupation
02-02-2019	Vedic Maths	Non-Technical	S.Govardhan Reddy	Quality controller at HAL
23-02-2019	2nd year students	Personal Skill Development		Soft

Skills Reshmi Arun 2nd year students 24-03-2019 Club Internal Workshop Soft Skills Sheerish, Seeta, Tharun Teja, Saleem, Shreenath, Sony, Ajith Club Members 14-8-2019 Induction Program for freshers Day-1 Soft Skills Saleem, Tharun Manager at Amazon 1st year students 16-8-2019 Induction Program for freshers Day-2 Soft Skills Tharun Manager at Amazon 1st year students 25-01-2020 Nostalgia (Alumni event Non-Technical Saleem, Sumalatha Manager at Amazon, Executive Producer at MAA TV Alumni)

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

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

The institute continued with decentralization practices and participative management at various levels described as follows. Institute has vision and mission which are futuristic in nature. They satisfy the needs of society through involvement of each one in the process. The governance comprising of Governing Body (GB), College Development Committee (CDC), Department Advisory Board (DAB) and Internal Quality Assurance Cell (IQAC) play significant role in the evolutionary reforms towards positioning the Institute in the preferred list of all stakeholders. The Institute believes in promoting a culture of delegation of powers through strategic policies. The Principal of Institute is assisted by HODs, Administrative Head, Section in-charges and coordinators of various cells/committees in decision making process of the Institute. Faculty and staff are assigned with the roles and responsibility to work in a harmonious environment with complete transparency. IQAC has a well-developed process to ensure quality benchmarks of academic and administrative activities. Institute follows recruitment policies and service conditions as per the rules and regulations of regulatory authorities. Fair representation of women faculty is also ensured at all levels of organization and congenial environment is fostered. Based on the Vision and Mission of the Institution, Quality Policies are framed and driven by the needs of the corporate world, society and stakeholders. Institute has a perspective plan developed by Principal and HOD's with suggestions of IQAC, DAB under the guidance of CDC and GB. Deployment of the quality policy is done by providing requisite academic infrastructure, learning environment and harmonious work culture. Student's surveys and feedback from all the stakeholders play a vital role in framing and revising policies. Internal Quality Assurance cell (IQAC) formulates perspective plan taking into consideration inputs from all stakeholders. The Institution policy believes involvement of all staff in decision making and implementing the decentralized decision policy. To streamline the same, various committees at Institute level are formed which look after academic and administrative activities which lead to the realisation of vision and mission of the Institute.

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

Yes

### 6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Curriculum Development	The Institute follows the curriculum approved by Jawaharlal Nehru Technological University, Hyderabad (JNTUH). Institute has its own stakeholder's feedback policy in place.



The purpose of this Policy is to provide a framework for obtaining, summarizing and documenting information on student and stakeholder perceptions of the quality and effectiveness of the Institute's curriculum. All the feedbacks received from various stakeholders are summarized and analysed. The recommendations are communicated to the BOS of JNTUH for curriculum revision.

Teaching and Learning

Academic coordinator of the department monitors the teaching learning process, and prepares a report which is periodically shared with the Institute Academic Coordinator. The academic coordinator monitors the following teaching learning activities:

1. Conduct of lectures and practical classes per the timetable
2. Preparation of the list of defaulters whose attendance is less than 75
3. Conduct of makeup classes for the defaulters
4. Coverage of the curriculum as per the syllabus
5. Continuous assessment (CAS) of the practical
6. Conduct of project and seminar presentations
7. Conduct of the unit tests as per the plan
8. Analysis of test results
9. Assignments as per the plan

Activities of the Academic monitoring are periodically reviewed by the HODs and corrective actions taken.

Examination and Evaluation

Since the college is affiliated JNTUH, University prescribes the overall Evaluation Examinations process. For theory courses, 2-3 assignments per paper were given and evaluated by faculty. Two mid semester examinations are conducted before end semester examination for 25 marks each.

Sem Examination. The End Semester Examination is of 75 marks. The Lab Practice, Project, tutorials, Seminar and Term Work is continuous assessment process and based on work done, attendance, and submission of work in the form of report. It is monitored and assessment by the subject teacher. At the end of the semester, Practical/Oral/Presentation is to be conducted and assessed jointly by internal and external examiner appointed by the affiliating university. The schedule and the structure of the internal as well as for end semester examination is



prepared by the affiliating university and displayed on the college notice board. The college has adopted evaluation system based on university pattern. Provision of internal squad for end semester examination to restrict malpractices, if any to ensure fair practices and transparency are maintained in the conduction of examination.

Research and Development

Institute is having Research and Development Cell with the following objectives: 1.To create awareness for Research and Development among faculty and students. 2.To create interest and motivate faculty to take up research projects in cutting edge technology. 3 To inculcate research attitude in students. 4. Motivate and facilitate students and faculty to solve social challenges through technological innovations. Institute conducts Lectures, workshops to create awareness and protects Intellectual property rights of Faculty and students. During A.Y. 2019-20 Institute faculty filed ---patents and --- copyrights. Institute promotes and supports faculty and students for publishing their research work. In A.Y.2019-20 overall -- papers published in Indexed journals, -- papers published in conferences by faculty and students. Faculty published --- Books and Book chapters

Library, ICT and Physical Infrastructure / Instrumentation

Library is using NEW GEN LIB software for Library Automation. E-Resources - Access Details (Within the campus through INTRANET): 1. IEEE(179-e-Journals)URL:<http://www.ieeexplore.com> 2. DELNETURL:<http://www.delnet.nic.in> IP.Address: <http://164.100.247.30/> 3. VIDEO CONTENT NPTEL: e-LearningURL:<http://www.nptel.iitm.ac.in> College URL : [192.168.99.2/LocalGuru](http://192.168.99.2/LocalGuru) 4. IESTC -E-JOURNALS (1378)<http://infotrac.galegroup.com/itweb/inpeters?SP04> 5. Library OPAC (Online Public access catalogue of the college), Search Books: AUTHOR ,TITLE ,SUBJECT.URL:[192.168.66.114:8080/newgenlibtxt/](http://192.168.66.114:8080/newgenlibtxt/) 6. World eBook Library (WEL) <http://Community.eBookLibrary.org/?AffiliateKeyWEL-PetEngColStP>

Human Resource Management

Key points of human resource management of the college are as follows: The institute has a standard

Human resource Policy. Planning providing qualified experience human resources and continual human resource development. Ensure high level of motivation and moral of faculty and staff. Sympathetic and Empathetic approach towards faculty and staff. IQAC creates awareness among faculty regarding quality parameters Workshops are conducted for the new faculty during the start of the academic year and during semester break. Several internal workshops are held to train the faculty and staff to enable them to update their knowledge. Technical skill training to Class IV employees.

Induction Program for newly recruited faculty Faculty attendance is monitored daily through a biometric system. Recruitment through the internal college section committee. Faculty and Staff recruitment are based on merit. Staff requirements are obtained from all Heads of Department and reviewed by the Principal as per the workload of the department. Approval is taken from the management advertised in leading newspapers. Interviews were conducted by College Section Committee. Performance Based Appraisal System (PBAS) Annual appraisal of all faculties done by HOD and reviewed by the Principal. Promotions of the faculty decided through the Appraisal Committee. Annual increment decide by management based on annual appraisals. Salaries to the faculty areas per norms of AICTE/UGC. Grievances cell is headed by senior faculty. Faculty and students can be presented in the grievance.

Industry Interaction / Collaboration

Interaction with industry for providing industrial exposure to students and faculty for strengthening the teaching learning process, is of prime importance at SPEC. Value added courses for the student in association with industry is another major aspect where institute is focusing. Institute has tried to standardize the to strengthen interaction with industry. At the start of semester, every subject teacher has to plan industrial visit and expert talk by industry expert by providing all the details to the department such as industry details, planned date of conduction, budget required for the same, etc. All these

activities should be for assigned subject for the faculty. Apart from, industry visit and expert talk, guest lecturers, Personality development and grooming sessions, Placement sessions, Summer Internships evaluation process. Every department has to plan one / two day training programs in association with industry for the students. Plan sheets are kept in the department and Head of Department take review and monitor the conduction of all the planned activities as per the planning. At the end of semester, standard formats are made available to the department to compile all the activities conducted in association with industry and summary sheet of the same is also prepared and communicated to all the departments for analysis and future plans.

Admission of Students

Admission are through state level entrance examination, TS EAMCET for admissions into UG and PG. PG courses. Admissions under Category - A - through State Level Common Entrance Examination and Counselling conducted by the Telangana State Government. Admissions under Category - B - Merit based and transparently conducted by the college as per the guidelines of Telangana State Government. To improve admissions in B category, following salient activities are being done: Banners are placed a prominent location around city. Advertising in leading newspapers. Brochure of the Institute is prepared. Department Newsletters are prepared. Institute brochure and newsletters are shared with parents and students. Counseling of students and parents is done. Faculty counseling to the Junior colleges at various locations.

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

E-governance area	Details
Planning and Development	BEE software is used for academic planning involving various activities. Feedback of students is used to improve the teaching learning process and develop new methodologies. Library uses NEW GEN LIB software for organizing its books' inventory, purchase of new books, etc. Use of Google sheets/excel sheets is done for data transaction of academic and administrative nature. Few

of them are mentioned below: a. Feedback form, SWOCanalysis, practical, project, seminars, attended. Maintaining marks obtained in assignments, midsemester and endsemesterexaminations. b. Record of makeup classes and extra classes. c. UGC/AICTE. d. Requisition of library books (Academic Plan,Feedbacks for developments, Google sheets Library requirements)

Administration

A good higher education system is required for overall development of a nation. Educational institutions may have various requirements that include computerization and management of processes such as registration, admission, student information, classes, time table, transport, attendance, library, salary and expenses, examinations, performance, grades, hostels , security and reports. Many of the software providers allow their clients to choose from the available modules to suit their needs to monitoring of these aspects

Finance and Accounts

egovernment refers to a rather motley and eclectic variety of frontoffice and back office operations that happen to be carried out by institution and that has in places become properly systemic. Effective communication should be regarded as the foundation of measures to allow the financial services sector to recover, especially in light of the complexity in breadth and depth of the issues involved. The transparency of the financial engineering is important for regulators trying to build up a robust supervision system. Information disclosure is also critical to restore the confidence of the entire market, and to maintain longterm rationality in customer attitudes towards the market after the crisis has abated.

Student Admission and Support

- Availability of student support services are clearly explained during the inaugural session of freshers entering inside the campus.
- The academics calendar is furnished at the starting of every semester for creating awareness among students about continuous assessment process.
- The various activities in the departments and institution are published in the website to create awareness among students.
- Class committee meetings

are conducted on regular basis to discuss about grievances and suggestions for improvement. • The details of examination schedules, events organized, higher studies, placements related companies are displayed in notice boards to create awareness among students.

**Examination**

Since the college is affiliated, examination and evaluation are as per university regulations , Question Bank is Collected for each subject and with the help of Subject Experts Question Paper is prepared. Question paper consists of questions with two marks, co mapping, blooms taxonomy Award list consists of how many marks scored for objective, assignment and marks scored by student for each question in subjective. As and when the exam branch receives the marks, result both internal and external they are immediately uploaded to College website. Answer Scripts Evaluation is carried out by allotting subject experts.

**6.3 – Faculty Empowerment Strategies**

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2019	Mr.M.Vinod Kumar	3D Printing and Robotics	Management	5000
No file uploaded.				

6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2020	Online Training Programme on Preparation of Video Lectures using different	Nil	10/06/2020	10/06/2020	105	Nil

Software Methodologies.

[View File](#)

6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Best practices in Engineering Education and Research, Teaching Methodologies Publication Strategies. Intellectual Property Rights	112	24/06/2019	28/06/2019	5
Python Programming	40	01/07/2019	05/07/2019	5

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
140	140	0	0

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Insurance	Group Insurance	Free Transport Facility for 173 students worth of Rs39,400/-

## 6.4 – Financial Management and Resource Mobilization

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

The institution has established a system to audit all the financial transactions by both internal auditor and auditors of external agency namely Sarath Associated, Hyderabad, appointed by the college every financial year. The internal audit is conducted whenever necessary or in the month of February. The auditors scrutiny the accountbooks with reference bills and other supporting evidences. The internal audit practices to monitor financial management of the institution ensure sound financial health of the institution. The external audit is statutory. The audit reports are placed before the GB for the approval. Any discrepancy noticed is addressed by the authorities. Auditor report is signed by the Secretary and chartered account.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
--	-------------------------------	---------

No Data Entered/Not Applicable !!!

No file uploaded.

6.4.3 – Total corpus fund generated

21890241

## 6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	JNTUH, Third party agencies	Yes	IQAC Members, SPEC
Administrative	Yes	JNTUH, Third party agencies	Yes	IQAC Members, SPEC

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

Parents are invited to participate in various activities of the institution. Every department conducts Parent-Teacher Meeting (PTM) once in every semester to update the academics of their wards. Parents contribute and give their valuable suggestions in the PTMs. 1. Parents supports the institution by their valuable feed back on the different issues. 2. Visit to student project exhibitions and attend AQUILA 3. Parent teacher meet 4. Feedback on Curriculum

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

1.e-learning to e-training to Enhance your expertise, 2. Computer training on BEE Software, 3. Training the faculty to adopt the autonomous system

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

1. NBA accreditation for two years to 3 departments i.e. CSE, EEE, Mech. 2. Autonomous Status to the institution. 3. Awards to teaching and non-teaching staff 4. Development of Incubation Center

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	One day seminar on the " Role of Stakeholders in developing HEIs"	21/10/2019	21/10/2019	21/10/2019	120
2020	Five day	25/05/2020	25/05/2020	29/05/2020	90

	online FDP on e-learning to e-training "Enhance your Expertise"				
2020	Online Training Programme on Preparation of Video Lectures using different Software Methodologies.	10/06/2020	10/06/2020	10/06/2020	105

[View File](#)

### CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

#### 7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
A seminar on "Women health and hygiene"	11/11/2019	11/11/2019	372	0
Self Defense among Women	13/12/2019	13/12/2019	106	0
A talk on "Women Empowerment"	04/02/2020	04/02/2020	137	0
National Women's day	13/02/2020	13/02/2020	156	0
"Voice of women" on the occasion of International women's day	06/03/2020	06/03/2020	112	0
International Women's Day	10/03/2020	10/03/2020	95	0
Programme on Women Empowerment	27/09/2019	27/09/2019	370	0

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

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

Having infrastructure as per the necessity for an educational campus, the institute puts in conscious efforts to enhance and nurture the eco-friendly environment on the campus. The campus consists of outdoor play fields and open



spaces. Faculty and Students take up projects to support the maintenance of healthy environment. The Institute authorities are very keen on making the campus eco-friendly by adopting Energy conservation practices, effective waste management at source, reuse of Blank pages, use of renewable energy, rain water harvesting and grey water for Plantation inside the campus, making the campus clean, green and healthy. Monitoring and upkeep of the green environment on the campus is done by the Maintenance department. SGB Amravati University has given the best environment award. The ministry of new and renewable energy (MNRE), Government of India, has sanctioned the conversion of existing campus into green campus.

#### 7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	5
Provision for lift	Yes	2000
Ramp/Rails	Yes	2000
Braille Software/facilities	No	0
Rest Rooms	Yes	0
Scribes for examination	Yes	0
Special skill development for differently abled students	No	0

#### 7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	Nil	Nil	Nil	Nil	Nil	Nil	Nil
<a href="#">View File</a>							

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

Title	Date of publication	Follow up(max 100 words)
Human Resource Policy Hand Book 2019-20 (Version 3.0)	01/07/2019	Institute prepared its own Human Resource Policy Hand book (Version 3.0) for the code of conduct which was published on 01/09/2019. Number of activities are carried out to percolate human values in students and to build social responsibility and leadership qualities. Service learning is a teaching which combines

community service with academic instruction as it focuses on critical, reflective thinking and civic responsibility. The institute has conducted various national important days such as International women's day, Yoga Day, Swach-Bhara, Haritha Vanam, AQUILA, Tech-fests. There is a freedom thought which is communicated through feed-backs.

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

Activity	Duration From	Duration To	Number of participants
Universal Values and Ethics	13/08/2019	10/09/2019	300
Constitution of India	01/08/2019	20/11/2019	280
Universal Values and Ethics	20/09/2019	05/10/2019	240

[View File](#)

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

1) Rain waterharvesting 2) Use of renewableenergy 3) Regular tree plantation and green environment maintenance 4) Wastemanagement 5) Energyconservation. 6) Plastic free environment

### 7.2 – Best Practices

#### 7.2.1 – Describe at least two institutional best practices

**Best Practice -I** Title of the practice To enhance research potential of faculty members. Goal The aim of this practice is to provide necessary infrastructure, human resources and motivation to nurture the research competencies among the faculty members. The context The college offers 06 UG and 02 PG degree programs in various Engineering branches. It is the responsibility of faculty members to inculcate effective learning methodology in their students to understand various engineering concepts. To accomplish this, they need to be creative and innovative in their approach to teaching / learning activities and should possess holistic idea about the subjects what they teach, which requires some level of research competencies in the teaching faculty members. The practice An institution- industry interaction cell has been established. The institution encourages the faculty members to publish research papers, attend national/ international conferences and to carry out consultancy work. The faculty members are encouraged by providing cash incentive to those who publish research articles in national / international journals. They are sponsored to attend the national/international conferences in India. Many MoUs have been signed between the institution and various industries to carry out the research and consultancy activitiesand also to expose the faculty members to the current research areas. Evidence ofsuccess Many faculty members registered for pursue Ph.D in different Universities. The number of Ph.D., degree holders in the institution have increased considerably. The results of the above said practice has increased the number of papers published by the faculty members. A lot of

research projects have been sanctioned to our institution for doing the research by the faculty members. Problem encountered and resources required The staff members are finding it difficult to find the time to carry out this type activities due to their academic commitment. Commitment of faculty is required. A time slot is to be provided in the curriculum. Updating of Laboratories, e-learning facility and computer aided packages are required. for which contribution from the management is required. Title of the Practice Activity Clubs Goal The goal of extracurricular activities is to develop skills specific to their career path, to provide a platform for overall development and to create opportunities to improve various soft skills that are essential to be successful in their career. The following club's function at St. Peter's Engineering College Entrepreneur Development Cell, Enviro Club, Forum for Intellectual Advancement, Friends of Police, Club Of Performing Arts, Debating and Quiz Club, Press Club, NSS, Prolife, Rotaract Club, Sports and Youth Red Cross Society. The Context: Extracurricular activities allow students to link academic knowledge with practical experience thereby leading to a better understanding of their own abilities, development of skills and career goals. It helps students to develop and enhance self-esteem and confidence, in turn, they become committed to their academic endeavors. The Practice: All undergraduate students need to acquire 40 hours of club activity program apart from their regular classes. The attendance for all their activities in the club has been posted through ERP by their respective faculty advisors of the clubs. Those who do not complete the required hours of club activities by the end of the academic year are treated as club defaulters and they have to re-register in the subsequent year to complete and requirement of the club activities. Evidence of Success: Students develop a high level of confidence with the required skill sets to face interviews and to cope with life in reality. There are many such instances of students who have emerged as leaders because of their active involvement in the club activities. They are able to demonstrate a high level of confidence, healthy interpersonal relationships and actively involve in projects which are of social relevance. Problems Encountered and Resources Required: Managing the defaulters of club activities, their re-registration and follow up of competition of their credit continues to be a matter of concern. However, there is a system is in place to monitor the fulfilment of the credit requirements for the club activities.

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

<https://www.stpetershyd.com/pdf/best%20practice.pdf>

### 7.3 – Institutional Distinctiveness

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

The St. Peter's Engineering was established in 2007 under Santa Educational Society with a view to impart quality education in Engineering and Technology fields. Its main motto is to pace with the technological changes taking place globally. A high quality excellence in academics can be provided to the students. The institute has an incubation center through which the students can submit the research projects to MSME. The placement and training cell of institute conducts campus recruitment training to students for the placements. The overall development of student can be achieved by participating in the various clubs. Bridge Courses for first years and lateral entry students are conducted regularly. Pedagogical Initiatives has been taken through various methodologies like experimental learning, model making, NPTEL videos etc. Value Added Courses are conducted for all students. The institute not only concentrate on the academic activity and encourages the students in co-curricular and extracurricular activities.

Provide the weblink of the institution

<https://www.stpetershyd.com/home>

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

The institution is Strategizing to introduce a new programs on Artificial Intelligence and Machine Learning, Deep Learning, IoT and Data Analytics which is one of the game changing technologies in the present state of affairs. The Institution is planning to establish an exclusive workplace to enhance the global relations with various world premier universities. Planning to increase the MOUs with esteemed and premier institutions (both Industrial and Educational) to improvise the collaborative activities. Various proposal are going on to implement few more energy conservation methods for optimizing the use of energy resources and other campus improvement plans. The institution is also Planning to further enhance the use of green energies by uplifting the in-house solar power generation with social and environmental consciousness. A road map is being worked out to increase the Internal Revenue Generation (IRG) remarkably through consultancy activities and to utilize the funds generated to strengthen such facilities further. The Institution is Planning to get more research projects from different government and non-government funding agencies. A blueprint is to be prepared to transform the campus completely into a Smart and Clean Campus. Also it is Strategizing to enrich the curriculum with mezzanine technologies (Industry 4.0 technologies) to have a compatibility with rapidly changing technical and societal needs.