



## YEARLY STATUS REPORT - 2020-2021

Part A	
Data of the Institution	
1.Name of the Institution	PRASAD V POTLURI SIDDHARTHA INSTITUTE OF TECHNOLOGY
• Name of the Head of the institution	K. Sivaji Babu
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	0866-2581699
• Alternate phone No.	9490217899
• Mobile No. (Principal)	9490958212

• Registered e-mail ID (Principal)	<a href="mailto:principal@pvpsiddhartha.ac.in">principal@pvpsiddhartha.ac.in</a>
• Address	Devabhaktuni Ramalingeswara Rao Road Kanuru
• City/Town	Vijayawada
• State/UT	Andhra Pradesh
• Pin Code	520007
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	01/03/2012
• Type of Institution	Co-education
• Location	Rural
• Financial Status	Self-financing
• Name of the IQAC Co-ordinator/Director	Dr S. Madhavi
• Phone No.	08662581699
• Mobile No:	9032962658

• IQAC e-mail ID	<a href="mailto:iqac@pvpsiddhartha.ac.in">iqac@pvpsiddhartha.ac.in</a>
3.Website address (Web link of the AQAR (Previous Academic Year)	<a href="https://www.pvpsiddhartha.ac.in/IQAC2019/docs/6156c9f670562_aqar_report.pdf">https://www.pvpsiddhartha.ac.in/IQAC2019/docs/6156c9f670562_aqar_report.pdf</a>
4.Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="http://202.53.81.85/index.sit?service=AUTONOMOUS_HOMEPAGE">http://202.53.81.85/index.sit?service=AUTONOMOUS_HOMEPAGE</a>

### 5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 2	A+	3.38	2019	28/03/2019	27/03/2024
Cycle 1	B	2.32	2013	05/01/2013	04/01/2018

### 6.Date of Establishment of IQAC

20/07/2012

### 7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
NIL	NIL	NIL	Nil	0

### 8.Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding

[View File](#)

the composition of the IQAC by the HEI	
<b>9.No. of IQAC meetings held during the year</b>	<b>4</b>
<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>
<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	<b>No File Uploaded</b>
<b>10.Did IQAC receive funding from any funding agency to support its activities during the year?</b>	<b>No</b>
<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	
<b>11.Significant contributions made by IQAC during the current year (maximum five bullets)</b>	
<p><b>Formation of Quality Circles in the Institution,Conducted Internal and External Academic Administrative Audit (AAA),Action taken report on how the feedback obtained is being analyzed and utilized for the overall development of the institution ,Plan of action chalked out by the departments and IQAC in the beginning of the Academic year towards Quality Enhancement and asses the outcome achieved by the end of the Academic year</b></p>	
<b>12.Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:</b>	

Plan of Action	Achievements/Outcomes
Improve social responsibility in students	To encourage students to participate in extension activities like Sports, NCC, NSS and Cultural activities. Consumer club was started on 24th December 2020 to bring awareness to the students on Consumer rights, Consumer Protection acts and Consumer Forums.
Improve quality placements , higher studies and internships	Placement offers, Paid internships and number of students opting for higher studies increased. Students got admissions into masters program in reputed institutes like IIMs and universities abroad. Created awareness on Availability of internships in various platforms like AICTE/Internshala, APSSDC etc. Invited resource persons from industries to address the student about internships Motivated students to write GATE, GRE and CAT examinations. Conducted hands on live project experience in the concerned industry. Trained students to secure jobs in MNCs during the campus placement drives arious Technical training sessions conducted from II year onwards and Reasoning and Aptitude classes are also conducted for placement purpose. Technical knowledge through hands on experience is focused. students are encouraged to participate in Hackthon like coding competitions Apart from this all students are encouraged to take part in platforms like Hacker Rank, Code chef, Indiabix and Geeks for Geeks to get improvement in critical thinking, problem solving skills and coding practice. Conducted training sessions like Smart Interview training and Edyst training (Java) to improve placement opportunities
Publish papers in reputed national & international journals	Faculty are encouraged to participate in FDPs Published a good no. of papers in Scopus Indexed journals and also presented papers at various conferences organized by the reputed institutions
Modernization of Laboratory & equipment	Labs are modernized on par with modifications happened in the curriculum For example Power systems Lab is modernized under MODROBS scheme
Development of e- learning resources	Providing e-learning platform to students so as to access content any time online. Students were able to get access to Lecture notes and material provided by the faculty and attend class work without physical presence through MOODLE,google classroom

Gain sound technical knowledge	Students have participated in various events and won prizes. students have done internships. Conducted training programs like PCB design, and LAB view
Introduce teaching methods like flip classes, blended learning, Team teaching	Giving a provision for interactive Sessions. For students flip and blended classes are conducted and as a result there is an enhancement in student learning and improved performance in examinations
Inculcate experiential learning in students and faculty	A number activities are conducted through the Courseera, EduSkills, Coding Platforms for Skill upgradation of students and faculty. Encouraged students to participate in internal and external events , co-curricular activities conducted by IETE, ISTE student forum and IEEE student chapter etc.

13. Was the AQAR placed before the statutory body?

Yes

- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Academic council	23/09/2021

14. Was the institutional data submitted to AISHE ?

Yes

- Year

Year	Date of Submission
2021	29/01/2022

## Extended Profile

### 1. Programme

1.1

Number of programmes offered during the year:

11

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 2. Student

2.1

Total number of students during the year:

3112

File Description	Documents
Institutional data in Prescribed format	<a href="#">View File</a>

2.2

Number of outgoing / final year students during the year:

704

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

2.3

Number of students who appeared for the examinations conducted by the institution during the year:

3098

File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>

### 3. Academic

3.1

376

Number of courses in all programmes during the year:		
<b>File Description</b>	<b>Documents</b>	
Institutional Data in Prescribed Format	<a href="#">View File</a>	
3.2	198	
Number of full-time teachers during the year:		
<b>File Description</b>	<b>Documents</b>	
Institutional Data in Prescribed Format	<a href="#">View File</a>	
3.3	198	
Number of sanctioned posts for the year:		
<b>4. Institution</b>		
4.1	252	
Number of seats earmarked for reserved categories as per GOI/State Government during the year:		
4.2	67	
Total number of Classrooms and Seminar halls		
4.3	1150	
Total number of computers on campus for academic purposes		
4.4	397.40	
Total expenditure, excluding salary, during the year (INR in Lakhs):		

## Part B

### CURRICULAR ASPECTS



## 1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs which are reflected in Programme Outcomes (POs), Programme Specific Outcomes (PSOs) and Course Outcomes (COs) of the various Programmes offered by the Institution.

- The institute has systematic procedure for development, revision and implementation of curriculum of all the departments. The process starts with collection of feedback from the respective stake holders followed by discussions in the department and subsequent approval from Board of Studies (BOS), Academic Council. The developed curriculum focuses mainly on three major aspects viz Employability, Entrepreneurship and Research. The curriculum is designed addressing the recent technologies and the opportunities existing at the regional and global level. Revision of the curriculum focuses mainly on introducing new courses for improving the employability skills, soft skills, general aptitude and technical aptitude. Multidisciplinary courses and advanced subjects like Mechatronics and Additive Manufacturing have been introduced to students of Mechanical Engineering. 3D Printing, DASSAULT 3D Experience Center, Mechatronics Lab, etc are established. These centers empower students and Faculty to develop skills necessary for more advanced study or research. Such practical exposure in line with the current needs of the society is provided to the students by incorporating new lab courses into the curriculum. As a result, the student can gain knowledge in diversified fields and become industry ready. Through Free electives and open electives, mini projects, term paper and major projects . students are prepared to exhibit their innovations and application of technology for societal needs. PG dissertations, Technical seminar and research publication are part of the curriculum . Curriculum is designed as per AICTE /NBA guidelines comprising program outcomes, course outcomes and learning objectives. The courses address the environmental issues, professional ethics, human values, awareness on energy conservation, design thinking, constitution of India, Life sciences for Engineers, AI tools and renewable energy sources as per the requirements of the industry and the society at large. The UG and PG courses have been developed to provide required inputs to aspiring entrepreneurs and provide extra support. The Entrepreneurship Development Cell (EDC) extends the need based programs.
- The curriculum is developed in such a way that ample scope is provided for extra-class activities, guidance and interpersonal relationships. Everything is planned within the curriculum and a series of experiences undergone by learners in the institute and there is an aggregate of courses of study in the curriculum which include planned and unplanned concepts, content, skills, work habits, assessments and institutional strategies taught in the classroom and the variety of institutional activities in and out of class that influence the present and future academic, social, emotional and physical growth of students.

File Description	Documents
Upload additional information, if any	No File Uploaded
Link for additional information	Nil

### 1.1.2 - Number of Programmes where syllabus revision was carried out during the year

6

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	No File Uploaded
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution during the year

562

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	No File Uploaded
MoUs with relevant organizations for these courses, if any	No File Uploaded
Any additional information	No File Uploaded

## 1.2 - Academic Flexibility

### 1.2.1 - Number of new courses introduced across all programmes offered during the year

35

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded

Any additional information	No File Uploaded
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

### 1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System

6

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	No File Uploaded
Any additional information	No File Uploaded
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability, and Human Values into the curriculum

The curriculum has ample scope to address the issues which directly or indirectly contribute to the environment, human values, professional ethics, gender etc. Focus on crosscutting issues is achieved by introducing the courses related to environmental science, Design Thinking.

Constitution of India, Personality Development Course, Environmental Engineering-II, Soft Skills Course, Green Buildings, Environmental Engineering Lab, Environmental Impact Assessment, IPR & Patents.

Environmental Sciences develops an awareness, of the natural environment. It develops an understanding of different types of ecosystems that exist in nature. It makes the learner aware of biodiversity. This course focuses on different types of pollutants present in Environment and creates awareness on global environmental problems and probable Solutions.

Life science for Engineering concerns the application of engineering principles and practices to living organisms and is used in areas such as stem cell engineering, biochips and biosensors, and molecular Bio computing.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability,	No File

Human Values and Professional Ethics in the curriculum	Uploaded
Any additional information	No File Uploaded

### 1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

27

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	No File Uploaded
Any additional information	No File Uploaded

### 1.3.3 - Number of students enrolled in the courses under 1.3.2 above

3112

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.3.4 - Number of students undertaking field work/projects/ internships / student projects

1014

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	No File Uploaded

### 1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni

A. All 4 of the above

File Description	Documents
Provide the URL for stakeholders' feedback report	Nil
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	No File Uploaded
Any additional information	No File Uploaded

**1.4.2 - The feedback system of the Institution comprises the following**

**A. Feedback collected, analysed and action taken made available on the website**

File Description	Documents
Provide URL for stakeholders' feedback report	Nil
Any additional information	No File Uploaded

## **TEACHING-LEARNING AND EVALUATION**

### **2.1 - Student Enrollment and Profile**

#### **2.1.1 - Enrolment of Students**

##### **2.1.1.1 - Number of students admitted (year-wise) during the year**

795

File Description	Documents
Any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

##### **2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)**

273

File Description	Documents
Any additional information	No File Uploaded

Number of seats filled against seats reserved (Data Template)

[View File](#)

## 2.2 - Catering to Student Diversity

### 2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners.

The College has well-planned multi-level strategies that are implemented to address the issues of diversity in students' learning levels. The actual stratification of students into slow, average and advanced learners is based on their performance in the first series of internal examinations and a continuous follow-up thereafter till the end of the. This is done efforts of by the Faculty, course coordinator and HOD. The close interaction between students and teachers makes the process of identifying the slow and advanced learners easy.

**SPECIAL PROGRAMMES FOR SLOW LEARNERS:** After each midterm examination, the slow learners are identified based on their performance in the tests. Remedial classes are arranged for all slow learners in the respective subjects. Remedial classes are conducted by the subject experts beyond the college time and records are maintained. Slow learners are further assisted through individualized counselling by the faculty and the regular counselling sessions by the class in charges.

**For Students scoring less in Mid Exams**

- Special classes are being conducted after the regular college hours.
- Counseling is given to the students by faculty handling the concerned subject, Class Counselors' and HOD.
- Students' performance is intimated to parents.

Students with backlogs (failed in some subjects in the previous semesters) are also identified and necessary support is provided to them by the teachers.

**For those who failed in Semester End Examinations**

- reasons are analyzed and problem is identified.
- Counselling is given to the student.
- Extra classes are conducted before the commencement of semester end examination.
- Discussion on important concepts and model questions.

**Advanced learners are encouraged**

to enroll in MOOC Courses.

- Talented students are motivated to participate in extra-curricular activities, exhibitions and cultural competitions.
- The needs of the average, progressive and advanced learners are taken care of by the concerned faculty through assignments, seminars, and more importantly group discussions.
- . Training is offered on latest technologies for the advanced learners.

Identification of Advanced and Slow learners:

Slow and advanced learners amongst the students are identified through class-room discussion, question and answer method, by considering their subject knowledge and previous year's performance. From the second year onwards; their performance in the classroom and the university examinations is considered.

Remedial coaching classes for slow learners: Special care is taken for the academically weak students. To enhance their performance the college conducted remedial coaching. Extra coaching is provided in respective subjects. Class tests are conducted based on previous year question papers. Problem solving sessions and additional tutorials are conducted for analytical courses. The students are also given extra books from the departmental library. Faculty members guide the students personally as well as they are encouraged to discuss their problems. Extra time is allotted to slow learners to complete tasks such as reading, problem solving, and analysis of the experiment. More attention is laid on slow learners for their academic improvement. Outcome is attained. The target group of slow learners showed improvement in the academic activities and university examination. The major objective of this method is to make them competent and self-confident to face the exams and reduces the drop out ratio. Advanced learners :- Advanced learners are provided several opportunities to develop their knowledge and skills. Students are motivated to read advanced reference book providing additional library facilities. They are guided to solve the model question papers. The students are deputed to attend the University, State and National level seminars/workshops conducted in their special areas. So they get exposure on their concerned subject. They are encouraged to take part in various competitions like Science exhibitions, quiz, elocution, debate etc., in which they can prove their abilities. The college organizes guest lectures of eminent persons, students seminar, and project to inspire and motivate advanced learners.

File Description	Documents
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Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 2.2.2 - Student - Teacher (full-time) ratio

Year	Number of Students	Number of Teachers
01/07/2020	3112	198

File Description	Documents
Upload any additional information	No File Uploaded

### 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:

#### 1. (a) Presenting the models for KOM class room lecture:

Statement of goals:

1. For easy understanding and improving the visualization of mechanisms.
2. To explain the working of mechanism in a simple way
3. To retain the concept in student for a long time

Appropriate methods:

Following Wooden Models of mechanisms are exhibited in class room teaching

1. Beam engine model 2. Peaucellier Mechanism - 8 Link Mechanism 3. Tchebi-Chev Mechanism

#### 1. (b) Presenting the models for Metrology class room lecture:

Statement of goals:

1. For easy understanding and improving the visualization of instruments.
2. To explain the working of instruments in a simple way
3. To retain the concept in student for a long time



### Appropriate methods:

Following instruments are exhibited in class room teaching

1.Micrometers 2.Sinebar 3.Bevel protractor etc.,

Students are advised to choose their mini project as per their interest. IV B.Tech students are formed into group of 3 students each. Most of the works are based on Texas Instruments MSP 430 kits. Some of the works are published in various journals and conferences.

Students are encouraged to participate in online quizzes are conducted for using Kahoot platform during the pandemic situation. nearly 30 online quizzes for II, III and IV year students.

Students are motivated to choose their major projects as a team of 3 members per batch. Most of the projects are chosen based on the literature collected from standard journals and conference papers. Students were guided to complete their projects using different simulation tools and resources available in the department. Papers were published in various journals and conferences.

The teaching-learning process is a major objective. Students are given a blend of traditional and modern methods to make learning student-centric and a rewarding experience. Experiential learning, participative learning and problem solving methodologies are well adopted to ensure the development of students and facilitate life-long learning to knowledge management.

### Participative learning

1. Design/development of solutions: Students attempt to develop solutions for complex engineering problems and design system processes that meet the specified needs of real-time cases through group analysis, brainstorming etc.
2. Mind Maps for creativity: Teachers create a central node on a Mind Map and provide students the freedom to expand and develop novel ideas.
3. Project works involving latest technologies and use of advanced soft-wares like BUILD MASTER, AUTOCAD, STAAD, Arc-GIS etc. are encouraged.
4. Proficiency in communication skills through lab sessions.

### Industry interaction and summer training

Industrial / field visits, Practical training / internship at Industry and/or renowned institutions are mandatory at present.

1. Industry projects and collaborations are undertaken to enrich students with pre-employment training.
2. Periodical Guest lectures on topics relevant to employment skills by personnel from respective organizations / industry.

#### Experiential learning

Practical courses (laboratory) including virtual labs are made mandatory.

3. Students are encouraged to take up innovative projects and mini projects.
4. Organization of exhibitions to students, achievements on regular basis are the source of motivation for all students in the department.
5. Problem solving methodologies adopted are  
Giving assignments at the end of each unit.

File Description	Documents
Upload any additional information	No File Uploaded
Link for additional Information	Nil

### 2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

Classrooms and labs are ICT enabled with projectors installed and the campus is enabled with high speed WI-FI connection. Our faculty members use various ICT enabled tools to enhance the quality of teaching-learning process.

1. Google classroom is used to manage course related information- learning material, quizzes, lab submissions, assignments, etc.
2. Virtual labs are used to conduct labs through simulations.
3. Power point presentations enabled with animations and simulations are used to improve the effectiveness of the Teaching - learning process.
4. Lab manuals are available.

5. Online technical quizzes (Kahoot environment) are conducted.

6. Seminar hall is equipped with multimedia facilities. Invited talks and webinars are conducted in seminar hall using ICT facilities.

Effective content delivery by using ICT tools in the class room for better understanding and reinforcement of the concepts and problem-solving is adopted by the all faculty. ICT tools complement the traditional teaching-learning methods, and the department is highly interested in providing innovative methods for enriching the learning experience. The institution has the required resources which include wide availability of computers in engineering departments and library, high speed internet access, ICT knowhow among the students and the faculty. The faculty are trained for the efficient use of tools through training sessions at the institute and/or faculty development programmes conducted by IITs. Teaching/Learning methodologies include the use of ICT tools for illustrations, special lectures, field study, case-studies, project-based-methods and experimental methods. ICT enabled Teaching-Learning Process is supported with Regular Practical Sessions, Online Courses (NPTEL), Use of LCD projectors for seminars, workshops, productive use of educational videos, accessibility of non-print material for students. Communication skills training is enriched with ICT tools to make the students acquire proficiency in listening, speaking, reading and writing . As engineering courses are of quantitative nature, embedded with step by step solving of in innumerable problems, hands-on sessions in the labs and internships at work places, faculty and students find ICT tools indispensable.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://www.pvpsiddhartha.ac.in/dep_mech/docs/igac/ICT_%20tools.pdf">https://www.pvpsiddhartha.ac.in/dep_mech/docs/igac/ICT_%20tools.pdf</a>
Upload any additional information	No File Uploaded

### 2.3.3 - Ratio of students to mentor for academic and other related issues

#### 2.3.3.1 - Number of mentors

198

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	No File Uploaded

Circulars with regard to assigning mentors to mentees

[View File](#)

### 2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Academic Calendar is released well in advance before the Commencement of the academic year. It is strictly adhered to. Teaching plans for all the subjects are prepared based on the academic calendar. Teaching plans are reviewed by head of the department once in every fortnight. If any deviation is observed, the reasons are identified and required suggestions are given to the faculty. However, in any unforeseen situations, if any deviation in academic calendar will be informed well in advance through circulars and will be displayed on the website

The Institute Academic Committee (IAC) collects the plan of action from the Department and Section heads and puts forth and the well-planned Academic calendar. It is printed and displayed in the notice boards, in the college website. The calendar it comprises is made available to the students before the commencement of class work .

First and last day of instruction, schedules of internal and external exams, preparation holidays for final examinations and vacation .

HOD conducts meeting with faculty Prior to the commencement of the semester course work, and allocate the subjects. A unit-wise teaching plan of the course content, for the allotted lecture hours is prepared to ensure a uniform pace of teaching. Course-coverage is monitored by the HOD once in a fortnight and deviations if any are made up with special classes.

Faculty members prepares a 'Lecture schedule' for every theory subject which is duly approved by the HOD. This schedule is placed in the course file at the beginning of the semester. The number of hours in the teaching plan is framed depending on the credits of the course and made available to the students. Effective implementation of the lesson and lecture schedules is monitored by the HOD as well as academic auditors. Also, at the beginning of the academic year, every Programme coordinator prepares the calendar of academic events like Workshops, Conferences, Visiting faculty lectures; Industrial visits etc.

The academic plan is structured in accordance with the needs of Outcome Based Education prescribed by National Board of Accreditation (NBA). The contents of the plan include:

- Course prerequisites, Course objectives, outcomes
- Mapping of course outcomes with program outcomes
- Learning resources, delivery methodologies,

- Assessment methods, Detailed unit wise lecture plan
  - Assignment and tutorial questions, Model question paper
  - Video lectures.
- At the beginning of each academic year Academic calendar is prepared . Academic calendar covers all important dates such as commencement of semester, tutorial classes, mid-term examinations, final examinations, vacation period etc. Academic calendar is approved by the College Academic Council and released by the principal.

The advance release of Academic calendar also makes sure the activities and events happen exactly as per the plan. Respective faculty members are required to prepare and submit the teaching plan to the head of the department.. Revisions/ Remedial sessions are conducted by the faculty as per the need.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>

## 2.4 - Teacher Profile and Quality

### 2.4.1 - Number of full-time teachers against sanctioned posts during the year

198

File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	No File Uploaded
Any additional information	No File Uploaded

### 2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

70

File Description	Documents
List of number of full-time teachers with PhD. / D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>

Any additional information	No File Uploaded
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### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)

8

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	No File Uploaded

### 2.5 - Evaluation Process and Reforms

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

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the examinations during the year

0

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	No File Uploaded
Upload any additional information	No File Uploaded

#### 2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA) have brought in considerable improvement in the Examination Management System (EMS) of the Institution

#### **Reforms on the Examination Procedures and Processes**

The Institute follows semester system for B.Tech., M. Tech., MBA programs and the performance of a student in each semester shall be evaluated subject wise with a maximum of 100 marks for theory, 50 marks for the UG practical subjects and 75 marks for the PG practical subjects.

For B.Tech students after completion of 4th semester and 6th semester the student has to undergo 4 to 6 weeks internship program. After completion of 7th semester the student has to undergo for project work in 8th semester. For project work the weightage of marks will be 40 marks for Internal and 160 marks for External.

For B.Tech Students Choice Based Credit System (CBCS) is introduced.

The evaluation of theory and practical subjects is based on continuous internal and semester end external examinations. The institute will modify the Academic/Examination regulations from time to time for enhancing the quality of education.

A candidate shall be deemed to have secured the minimum academic requirement in a subject if he/she secures a minimum of 35% of marks in the end semester examination and a minimum aggregate of 40% of the total for the B.Tech Program and 40% & 50% respectively for the M.Tech & MBA Programs.

The B. Tech student has to earn 160 credits and for Lateral Entry students 121 credits (apart from the non- credit courses) and M. Tech 74 credits, MBA 104 credits student has to earn total credits to satisfy the minimum academic requirement to obtain the degree. Marks obtained in all the credits are considered for the calculation of CGPA.

For B.Tech students Provision of Minor and honors degree is available with additional credits of 20.

The pre-examination works like preparation of final data base of the candidates who are eligible to appear for the semester end exams, sending the data for preparation of preprinted OMR answer booklets with barcode, preparation of nominal rolls, Hall tickets, room wise seating plans and D-forms during the examination time are taken care with the help of the College Management System (CMS) software.

The Challenge evaluation system and showing the evaluated answer script to the student are the measures taken as a part of the transparency in the evaluation system for PG students.

Old question papers are available in our college website for student reference.

5 skill oriented certification courses are offered for enhancing employability skills.

#### Processes Integrating IT

College Management System (CMS) services are available to integrate all the activities in the examination branch. The pre and post examination activities are integrated. List of eligible students to generate hall tickets based on the attendance and generation of data base for the preprinted OMR answer booklets, D-forms during examinations are generated. The internal continuous assessment marks are also uploaded in the data base of CMS and will be integrated with end semester marks at the time of results processing.

The Institute is using the OMR technology for the printing of preprinted bar coded answer booklets thereby avoiding manual coding of answer booklets, scanning the marks slips and processing the results and printing the reports and certificates.

Payment gateway is also available for the payment of regular and supplementary examination, reevaluation & recounting fees online by the students to make the registrations online.

The CMS is enabling the student to download the results online.

Complete automation of examination process helps in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, attendance monitoring, coding and decoding of scripts, marks data entry, preparation of programme wise results.

#### Continuous internal assessment system

Continuous internal assessment is done through conducting various tests from time to time.

Two theory mid semester exams (15 marks each), two objective type tests (10 marks each), two assignments (5 marks each) and a internal practical exam (15 marks) are conducted for each subject in each semester for B. Tech., Program.

Once these tests are finalized, the internal marks of the student are displayed in the notice boards.

#### Examination reforms introduced



Examination and Evaluation division is a unique central division in the Institute which caters the needs of all stake holders. The Examination & Evaluation section strives to formulate and implement a credible and reliable evaluation system. It emphasizes strict and flawless examination system maintaining uniformity and consistency in assessment and evaluation. All the examinations are conducted under the supervision of Examination & Evaluation section headed by the Controller of Examinations and the results are declared after the approval of the concerned Results Review monitoring committee of the Institute, in which an University nominee is also a member.

Strict adherence to Institute Academic calendar.

Quick publication of results and issuing necessary certificates on time there by helping the students to secure admission for higher studies and to join the organizations in which they are placed.

Question paper setting as per BLOOMS Taxonomy.

Question paper is being thoroughly scrutinized by moderating it for maintaining uniformity of coverage of syllabus among all the units.

Grading System is being implemented in the evaluation and assessment of students in place of percentage of marks.

OMR based Answer script was introduced for ensuring strict confidentiality by avoiding manual coding in the Examination and evaluation system.

Online registration for elective course.

Moocs credit courses are offered.

Complete automation of examination processes - helped in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, attendance monitoring, coding and decoding of scripts, marks data entry, preparation of programme wise results.

Systematic evaluation process supported by College management system(CMS) allows timely publication of results.

The question paper pattern has been revised to test the comprehension of the students over the whole syllabus.

Grievances committee dealing with the grievances of students was introduced and the mechanism for quick settlement of grievances is addressed.

Online publication of results.

Provision for Challenge evaluation system has been introduced for PG programs.

Publication of research in reputed journals derived from dissertation work performed by the M.Tech candidates was made mandatory.

Anti-Plagiarism check was implemented for M.Tech., MBA courses major project.

The Thesis submission is allowed only if the plagiarism is less than or equal to 30%.

Communicating the Evaluation system to the stakeholders through printed student academic regulations hand book, displaying through institute website and through faculty mentor.

Parents can access the performance of their ward through Examination portal.

Permission to use an amanuensis for taking the Examination by the Student.

Concessions to Physically Challenged students with minimum 40% of disability are implemented.

a) Exemption from paying the Examination fee.

Special squads are appointed to maintain strict & flawless system during conduct of Examinations.

Prompt actions against the students who are involved in malpractice by the Malpractice Committee constituted to deal with malpractice cases.

Inclusion of photograph, Aadhaar number and Medium of Instruction was introduced to include them in certificates.

Several security features are embedded in the certificates to avoid tampering.

Bio metric facility is introduced to enter into the printing zone and strong room.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

## 2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on the website and communicated to teachers and students

### Program Outcomes (POs) :

These statements represent the knowledge, skills and attitudes the students should have at the end of a program completion.

### Program Specific Outcomes (PSOs) :

The Course Outcomes are prepared by the course coordinator in consultation with the concerned faculty members teaching the same course. The Module coordinator will verify it.

Program Outcomes (POs), Program Specific Outcomes (PSOs) and course outcomes (COs) are communicated to the stakeholders of the program.

POs and PSOs are kept in prominent locations in the campus for staff, students and public view.

POs and PSOs are displayed in Department office, Laboratories and Department library.

POs and PSOs are available in the Institute website

In strict compliance to the objectives of Outcome Based Education (OBE), the Program Outcomes (POs) and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and the stakeholders are displayed on website and communicated to teachers and students are widely propagated and publicized through various means such as display and communication specified hereunder.

Website, Curriculum /regulations books, Class rooms,

Notice Boards,

Laboratories

Student Induction Programs

Meetings with employers,

Parent meet

Faculty meetings

Alumni meetings

Professional Body meetings

Library

While addressing the students, the HOD 1 creates awareness on POs, PSOs and COs. The faculty members, course coordinators, program/ISO coordinators also inform the students and create awareness and emphasize the need to attain the outcomes.

Program Outcomes (POs) are broad statements that describe the professional accomplishments which the program aims at, and these are to be attained by the students by the time they complete the program. POs incorporate many areas of inter-related knowledge, skills and personality traits that are to be acquired by the students during their graduation.

Course outcomes (COs) are direct statements that describe the essential and enduring disciplinary knowledge, abilities that students should possess and the depth of learning that is expected upon completion of a course. They are clearly specified and communicated. The Course Outcomes are prepared by the course coordinator in consultation with concerned faculty members teaching the same course. After verification by the Module coordinator Finally, they are discussed in the concerned department's BOS meeting course-wise and approved.

The POs/PSOs of the programme and the COs of the courses are placed on the college website <http://www.pvpsit.ac.in>. In all the interactions with the students, awareness on POs, PSOs and COs is created endorsement by the Principal.

File Description

Documents

Upload COs for all courses (exemplars from the Glossary)	No File Uploaded
Upload any additional information	No File Uploaded
Link for additional Information	<a href="https://www.pvpsiddhartha.ac.in/department_cse.html">https://www.pvpsiddhartha.ac.in/department_cse.html</a>

## 2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

### a) Direct attainment (DA):

The COs (as explained in 3.2) of each course are mapped to POs/PSOs with weights of 1, 2 and 3.

The attainments of the PO/PSO is computed as a weighted average attainment of the COs that are mapped to the given PO/PSO.

Level of attainment of the POs and PSOs were computed using Excel sheet.

### b) Indirect attainment (IDA):

The following indirect assessment tools are used for calculating PO & PSO attainments.

(i) Graduate Exit Survey (GES)

(iii) Course End Survey (CES)

(ii) Alumni Survey (AS)

The overall PO & PSO attainments are evaluated by considering the WEIGHTED average (80% of DA + 20% of IDA) of DA & IDA.

Process used to identify the extent of compliance for PO/PSO:

The assessment process is documented to evaluate the attainment level of each PO includes collection and preparation of data from various sources. That is collection of data from

courses files in ease of theory and laboratory courses, surveys from various stakeholders such as course end survey, programme exit survey, Alumni survey and employer survey.

In each of the surveys the assessment criteria a question or a statement is posed to either alumni or employer based on which the data is collected. The detailed process is

explained under various assessment tools described as given below.

A systematic procedure is adopted for assessment of programme outcomes as described in the following steps.

For each programme outcome, methods of measurement are identified to measure progress of the outcome. Assessment methods include direct methods and indirect methods.

Multiple methods of measurements are used to assure reliability and validity. Accurate, valid, and reliable data for each measure is collected in reasonably efficient manner for every academic year.

For each programme outcome it is planned on when and where the assessment will take place, and what specific knowledge, skills, values, and/or attitudes will be assessed.

For each method of measurement, acceptable level or standard of performance is determined. It is also decide on what level of achievement is considered acceptable performance for graduates of the programme.

The assessment of Programme Outcomes is carried out using data collected from direct and indirect methods.

Tools for assessing the Programme Outcomes:

Direct methods include the following:

Course Evaluation:

Course evaluation is done in every semester by the Concerned faculty to assess the achievement of course outcomes and their contribution to Programme Outcomes. In

this process various examinations and other tools are used to assess whether the students acquired prescribed outcomes from that specific course.

Course file is prepared for each undergraduate course taught in the Department. The course file includes syllabus copy, student performance on tests (objective tests, midterm exams and home assignment in their courses), laboratory exercises and tutorial class reports. The course file also includes course end survey results. The qualitative evaluation of student performance, attainments of courses supporting a specified programme outcome is maintained. All courses undergone by students are evaluated for student performance to determined and summarized by the course coordinator and the same is submitted to Programme Assessment Committee for evaluation of POs.

The following assessment methods are embedded in the programme for the direct assessment of course

- Mid Exams
- Objective Exams
- Assignments
- Continuous evaluation for labs
- Project Viva -Voce

#### Tools for Direct Assessment

All the courses which contribute to the PO are identified. Most of these courses are evaluated through the Course Outcomes using direct assessment tools (Internal exam and external exam results).

#### Direct Assessment of Theory Courses

The microanalysis of the attainments of the Course Outcomes is made on the basis of detailed marks obtained in internal and external examinations. Micro-analysis is done by considering marks obtained by students for each question in each subjective examination, objective tests and assignments. As indicated above each question represents one unit of syllabus and the COs in turn can be corresponded with the questions. The relation between COs and POs has already been established. 50% of marks have been considered as bench mark level. The micro-analysis is done for all the courses and the same is available in the respective course files.

#### Direct assessment of Laboratory courses

The direct assessment of laboratory courses also is made on the basis of internal and external marks. 50% of marks have been considered as bench mark. The micro-analysis is done for all the laboratory courses and the same is available in the respective course files.

#### Direct Assessment of Projects

An internal faculty committee has assessed the projects on the basis of best of the two seminars and also based on the following criteria.

- 1 - Project concept
- 2 - Execution
- 3 - Model evaluation
- 4 - Presentation
- 5 - Viva-Voce

Indirect methods include the following:

- Course end survey: at the end of the semester
- Graduate exit survey: at the end of the programme
- Alumni survey: After graduation

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

#### 2.6.3 - Pass Percentage of students

##### 2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

776

File Description	Documents



Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	No File Uploaded
Paste link for the annual report	Nil

## 2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire). Results and details need to be provided as a weblink

[https://www.pvpsiddhartha.ac.in/iqac2019/sss/SSS\\_20\\_21.pdf](https://www.pvpsiddhartha.ac.in/iqac2019/sss/SSS_20_21.pdf)

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research which is uploaded on the institutional website and implemented

The college provides all necessary infrastructural facilities and conducive environment to stimulate research activities through R and D centre. Three active Research groups are formed as per faculty interested Specialization, Under the guidance of the Research Group Coordinator the faculty are encouraged to publish quality papers, patents and project proposals are submitted to various funding agencies. Faculty members are also encouraged to receive the fund for their research from the management (SAGTE). Faculty are encouraged to send the proposal to receive fund from AICTE/DST /Funding agencies for conducting workshops, FDPs, STTPs, Seminars, and Conferences. The Institution encourages the faculty by providing incentives for SCIE, SCOPUS, and peer reviewed publications, writing books and filing patents through SAGTE. The faculty and students have the freedom to choose the research area of their choice. Students are guided and encouraged to pursue their research interest. Research Centre of the department is equipped with necessary software and computing facilities for carrying out research activities by the faculty and students

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://www.pvpsiddhartha.ac.in/gb_minutes.html">https://www.pvpsiddhartha.ac.in/gb_minutes.html</a>
Any additional information	No File Uploaded

**3.1.2 - The institution provides seed money to its teachers for research****3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)**

6.3500

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	No File Uploaded
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	No File Uploaded
Any additional information	No File Uploaded

**3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during the year**

1

File Description	Documents
e-copies of the award letters of the teachers	No File Uploaded
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.2 - Resource Mobilization for Research****3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs during the year (INR in Lakhs)**

0

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	No File Uploaded
List of projects and grant details	No File Uploaded

Any additional information	No File Uploaded
----------------------------	------------------

### 3.2.2 - Number of teachers having research projects during the year

0

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil
List of research projects during the year	No File Uploaded

### 3.2.3 - Number of teachers recognised as research guides

17

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	No File Uploaded
Institutional data in Prescribed format	<a href="#">View File</a>

### 3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

0

File Description	Documents
Supporting document from Funding Agencies	No File Uploaded
Paste link to funding agencies' website	Nil
Any additional information	No File Uploaded

### 3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated centres for research, entrepreneurship, community orientation, incubation, etc.

**Institution established the Institution Innovation Council and received the membership certificate**

at AICTE Headquarters, New Delhi on 21st November 2018. The IIC network managed by MHRD's Innovation cell promotes innovation through multitudinous modes leading to an innovation promotion eco-system in the campuses

**Vision:**To spread the spirit and culture of Innovation and entrepreneurship among the faculty and students of PVPSIT to benefit the society

**Mission:**To develop the system and processes with required infrastructure that can enable students and faculty to innovate and prototype their ideas

**Major Outcome:**

A Total of 11 activities in 2018-2019 and 67 activities in 2019-2020 for which 4 star rating is awarded out of 5 star by MHRD Innovation Council.

Team "CIVIMECHOS" comprising 2 students from Civil and 4 students from Mechanical Engineering department bagged the trophy and the 2nd runner-up prize of Rs. 50,000/. at Smart India Hackathon -Hardware Edition- Grand Finale -2019 at NIT, TIRUCHY organized by Institute Innovation Council, MHRD, New Delhi.

To spread the spirit and culture of entrepreneurship among the faculty/students of PVPSIT a separate Cell was established and various activities were conducted in the institute. Institution provides Infrastructural facilities, Cross-disciplinary research, Balancing basic research & shorter-term applied research, R&D collaboration with industry/organizations to open innovation. Apart from conducting number of events in the last 3 years, The following Entrepreneurs were mentored through ED cell.

**Start-up Name:** STORAGE BUDDY: Suraj M, Mechanical Department, **Aim:** Providing Storage space by connecting with existing Warehouse

**Start-up Name:** SVS Pvt. Ltd.,: Karthik Varma, EEE department, **Aim:** Providing Design Services

**Start-up Name:** NABES: Sumanth R, CSE department **Aim:** Providing platform for young talents in film industry

**Start-up Name:** RADON Technologies: Saichand, ECE department, **Aim:** Providing Services in Software and hardware sector

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship and Skill Development during the year

File Description	Documents
Report of the events	No File Uploaded
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4 - Research Publications and Awards

**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following: Research Advisory Committee Ethics Committee Inclusion of Research Ethics in the research methodology course work Plagiarism check through authenticated software**

A. All of the above

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	No File Uploaded
Any additional information	No File Uploaded

### 3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/supervisors provided in Metric No. 3.2.3) during the year

#### 3.4.2.1 - Number of PhD students registered during the year

6

File Description	Documents
URL to the research page on HEI website	Nil
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

74

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year

39

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

### 3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed

#### 3.4.5.1 - Total number of Citations in Scopus during the year

575

File Description	Documents
Any additional information	No File Uploaded
Bibliometrics of the publications during the year	No File Uploaded

### 3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science - h-Index of the University

#### 3.4.6.1 - h-index of Scopus during the year

21

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	No File Uploaded
Any additional information	No File Uploaded

### 3.5 - Consultancy

#### 3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)

7.34755

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	No File Uploaded
Any additional information	No File Uploaded

#### 3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultancy during the year

0

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	No File Uploaded
List of training programmes, teachers and staff trained for undertaking consultancy	No File Uploaded
List of facilities and staff available for undertaking consultancy	No File Uploaded
Any additional information	No File Uploaded

### 3.6 - Extension Activities

### 3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development, and the impact thereof during the year

The College sensitizes students on Institutional Social responsibilities by involving them in awareness drives on various issues like national calamities and rehabilitation, environmental pollution, deforestation, nonconventional sources of energy, rain water harvesting, malnutrition, immunization, Blood Donation, etc. These initiatives will certainly result in their overall development. NSS and NCC wings of the institute are very effective in undertaking various extension activities in the neighbourhood community.

The institute has adopted 5 villages under Unnat Bharat Abhiyan, aimed at rural development and adopted 2 villages under NSS, in the neighborhood and most of the events of societal importance are conducted in these 7 villages. Awareness camps on Swachh Bharat, Literacy, Fire Safety, Road Safety, Cancer, Plastic Free, Green Environment, Polio Vaccination, Covid Vaccination, etc are regularly organized.

The extension activities help complement and supplement the learning outcomes beyond the class room and create awareness among the young citizens about the dynamics of the society which they face in near future. The expected outcomes through these activities are self-learning, team work, constructive use of knowledge for the benefit the society. Extension activities also aim at inculcating values like

- Social responsibility
- Ethics and values
- Human values
- Societal behaviour

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government-recognised bodies during the year

4



File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	No File Uploaded
Any additional information	No File Uploaded

**3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc. during the year (including Government-initiated programmes such as Swachh Bharat, AIDS Awareness, and Gender Sensitization and those organised in collaboration with industry, community and NGOs)**

45

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**

1898

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	No File Uploaded

**3.7 - Collaboration**

**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ on-the-job training/ project work**

659

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	No File Uploaded

### 3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, industries, corporate houses, etc. during the year (only functional MoUs with ongoing activities to be considered)

18

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	No File Uploaded
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	No File Uploaded

## 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 equipments, etc.

The total built up area of the Institution is 36,537sqmts. The Institution has State of the Art Infrastructural facilities. Adequate facilities for Teaching Learning are available as per AICTE Norms. Augmentation of Physical Facilities is in-tune with the academic growth.

Laboratories are well established with sophisticated equipment. A common Computer Centre is available. A Computer Aided English Language Communication Skills Lab is available. A well stocked Central

Library exists which subscribes to various National and International Journals. Library is fully automated . Digital Library is available. Departmental Libraries are there to cater to the specific requirements of the students. Furnished Seminar Halls a.re available for arranging Guest Lectures / Workshops / FDPs and Seminars. A central Auditorium is available to conduct Mega Events like Conferences and Techno fests.

The Institution has recognized Research Centers in the Departments of CSE, ECE, EEE and Mechanical Engineering. NPTEL Local Centre, Knowledge Centre, NI Centre of Excellence and Lab View Academy, E-Yantra Lab, Andhra Pradesh State Skill Development Centre are available. Professional Society

Chapters viz. CSI, ISTE , IETE , ACM , ASHRAE, SAE facilitate the teaching learning process on the emerging trends in Technology.

In total, 1184 computers are available. All Faculty Rooms, Administrative Office, Department Offices are provided with computers. Free Wi-Fi facility is provided. 100Mbps dedicated leased line is provided through Nettlinx Pvt. Ltd., 40 Mbps bundled bandwidth under MHRD, Government of India is provided through BSNL.

All the Class Rooms and Seminar Halls are provided with LCDs to facilitate the use of ICT in education. Moodle facilitates knowledge sharing. Generator Facility is available for uninterrupted power supply. A solar power plant with 200 KW Capacity caters to 90% of the power requirement of the Institute.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gymnasium, yoga centre, auditorium etc.)

Believing in the Adage, "A Sound Mind In A Sound Body", the college provides all facilities required for

sports and games. The Department of Physical Education came into existence in 2001. The total area available is 10255Sq.Mtr s. Facilities are provided for Indoor games such as Table Tennis, Chess, Caroms etc., Adequate facilities are available for Outdoor games like Volleyball, Ball Badminton, Kho-Kho, Foot Ball, Basket Ball, Throw Ball, Shuttle Badminton, Tennikoit, Cricket and Khabaddi. Students also take part in Athletics like High Jump, Long Jump, Shot-put, Discuss Throw etc.. The Institute also hosts JNTUK Zonal Tournaments. The college teams participate in the Inter Collegiate Tournaments. Financial assistance is provided by the Institution for participating in Tournaments. Separate Gym is available for boys and girls. Competitions are held on the eve of Annual Sports Meet. Students are made to realize the importance of physical fitness and due encouragement is given . to them to avail the available facilities. On an average , 249 students per day make use of the facility. A qualified Physical Director trains the students. Yoga Centre is started in 2016 .

Cultural Club was started in 1998 . An Open Air Theater and Auditorium in a built-up area of 690Sq.Mtrs. are available for staging the performances of students. A cultural committee is constituted to coordinate the activities. The innate talent of the student is identified, opportunities/facilities are provided. On an average , as many as 124 student s per day participate in various events . Students are encouraged to participate in the Inter Collegiate Competitions. Financial assistance is provided for travel, Make-up and Costumes. Students are encouraged to cultivate their interest in fine arts. On the eve of Fresher's Day, Annual Day and on other significant occasions,students showcase their talent.

A National level Techno Cultural Festival is organized to improve the organizational abilities of students . Students of various institutions are provided a common platform for proving their mettle. Competitions in a plethora of events viz Elocution, Extempore F/C, Debate, Group-Discussions, Mock Press, Personality Contest , Singing, Dance, Skits, Mime, Mimicry, Mono-Action, Short Film Making and Fashion Show are held. The event attracts a wide range of participants. Every facility is provided to nurture the talent and refine the skill of the students.

Fresher's Day, Annual Day , National Youth Day, Birth and Death Anniversaries and National Festivals are some of the occasions for the student sto give cultural performance.

File Description	Documents
Geotagged pictures	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

#### 4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

67

File Description	Documents
Upload any additional information	No File Uploaded
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

#### 4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

53.07799

File Description	Documents
Upload audited utilization statements	No File Uploaded
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	No File Uploaded

## 4.2 - Library as a Learning Resource

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

There are Established Systems for Maintaining and Utilizing facilities in the Library. The Central Library has adopted Open Access System. All the books are arranged classified as per Dewey decimal classification 21st edition which is helpful to the users to locate his / her desired book. Name of the LMS Software: LIBSYS10 LMS, Nature of automation Fully, Version: 10, Year of automation: 12-02-2018. Central Library is Fully Automated using LIBSYS10 LMS (Library Management Software). It is Web Centric having support for Twenty Thousand Unique Records with five Concurrent housekeeping clients along with twenty five concurrent users for web OPAC (On - line Public Accessing Catalogue) on server Under Windows 2012 platform. This Software is supporting Barcode system for issue & return of books. The Library is an Institutional member of DELNET.

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

### 4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources

A. Any 4 or more of the above

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)

25.69

File Description	Documents
Audited statements of accounts	No File Uploaded
Any additional information	No File Uploaded
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

#### 4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)

##### 4.2.4.1 - Number of teachers and students using the library per day during the year

36

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 4.3 - IT Infrastructure

##### 4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities

###### IT Policy and Amount Spent for Updating IT Facilities

As per the institution's IT policy, various departments/sections will propose budgets according to their requirements. After the budget is approved by the management, purchase committee will get the quotations and sends the comparative statement to the management for final approval. Purchase order is placed to procure the computing equipment.

Total No. of computers available as on 30-06-2021:1305

Total No.ofprinters available as on 30-06-2021: 105

IT Infrastructure procured during the last three Academic years:

Academic Year

No. of Servers

No. of Computers

No. of Printers

Supplier Invoice No. & Date

Invoice Amount Rs.

2018-19

-

56

7

Microcare Computers Inv. No.180200069 /12-05-2018

22,51,210/-

3

66

2

Laser Technologies GSTS 225/18-19/02-02-2019

34,07,033/-

1

-

-

Microcare Computers

3,99,990/-

2020-21

-

158

13

Microcare Computers Inv. No. 200200297029-07-2019

63,54,460/-

1

75

-

LaserTechnologies Inv.No.GSTS8/21-22/30-04-21

56,13,950/-

Firewall Purchases & Renewals during last three Academic Years

Cyberoam Firewall purchased on 06-02-2009 at a cost of Rs.4,59,191/-

Academic Year

Firewall Model

Renewal / Purchase

Inv. No. & Date

Amount Rs.

2018-19



CyberoamCR 200iNG

Renewal

Inv.No.180200207 26-07-2019

1,41,588/-

2019-20

CyberoamCR 200iNG

Renewal

Inv.No.190200247 29-07-2019

1,29,788/-

2020-21

CyberoamCR 200iNG

Renewal

Inv. No.21/ 2020-21 15-08-2020

1,43,370/-

SOPHOS XG 430 3 years warranty

Purchase

Smart Net Solutions Inv. No.003/21-22 /19-04-2021

7,99,331/-

Wi-Fi in Campus:

Wi-Fi was implemented using 34 Access Points (CISCO make) covering the entire campus in January 2015 at a cost of Rs.15.47 lakhs. Every year there is a provision in the budget to allocate Rs.50,000/- to Rs.60,000/- towards Wi-Fi repairs & maintenance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3112	1150

File Description	Documents
Upload any additional information	No File Uploaded

#### 4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

A.  $\geq 50$  Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development Media Centre Audio-Visual Centre Lecture Capturing System (LCS) Mixing equipments and software for editing

A. All four of the above

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

List of facilities for e-content development (Data Template)

[View File](#)**4.4 - Maintenance of Campus Infrastructure****4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)**

344.32663

File Description	Documents
Audited statements of accounts	No File Uploaded
Upload any additional information	<a href="#">View File</a>

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

The college has its own procedures for maintaining the Physical Facilities, Academic and Other Support Facilities. Facilities Committee is constituted in every department to identify the requirement of repairs. If any equipment is not functioning, Departments send a request to the Department which looks after the repair and maintenance of that particular item. If the problem is minor, the technicians available in the Institute will be resolving / repairing the equipment. If it is a major it will be sent to the supplier or vendor for service. Each Department has an allocated fund for taking care of the repair / maintenance cost. Maintenance of IT Infrastructure: # IT Infrastructure like servers, desktops, CC Cameras, LCD Projectors, Reprographic facilities (Printers, Scanners, Xerox Machines) are purchased with initial warranty. Usually servers and desktops are procured with 3 years warranty and reprographic facilities with one year warranty. # AMC is entered with the concerned suppliers for servers beyond the warranty period and other important equipment is maintained on call basis. # Alternate arrangements are made in case the down time is more, without affecting the day-to-day work in the concerned Department. # If the equipment is beyond repair and if it is very much essential the management readily approves and sanctions the necessary amount without affecting the day-to-day work either in the laboratories or in the administrative offices. # CSE Department maintains and utilizes sufficient computer peripherals( Network Switches, Monitors, Hard Disks, RAMs, Keyboards)and spares for replacing the damaged ones for the Institute as inventory. # Wi-Fi facility is regularly monitored by the skill technicians available in the Institution. # Spare Access Points are also maintained by the CSE Department.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

#### 5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1728

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	No File Uploaded

#### 5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government agencies during the year

207

File Description	Documents
Upload any additional information	No File Uploaded
Institutional data in prescribed format	<a href="#">View File</a>

#### 5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities Soft Skills Language and Communication Skills Life Skills (Yoga, Physical fitness, Health and Hygiene) Awareness of Trends in Technology

A. All of the above

File Description	Documents
Link to Institutional website	Nil
Details of capability development and schemes	No File Uploaded

Any additional information		<a href="#">View File</a>
<b>5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year</b>		
3112		
File Description		Documents
Any additional information		No File Uploaded
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)		<a href="#">View File</a>
<b>5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees</b>		A. All of the above
File Description		Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee		<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases		No File Uploaded
Upload any additional information		No File Uploaded
<b>5.2 - Student Progression</b>		
<b>5.2.1 - Number of outgoing students who got placement during the year</b>		
534		
File Description		Documents

Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.2.2 - Number of outgoing students progressing to higher education

46

File Description	Documents
Upload supporting data for students/alumni	No File Uploaded
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year

#### 5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE /GMAT /CAT/ GRE/ TOEFL/Civil Services/State government examinations) during the year

96

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	No File Uploaded

### 5.3 - Student Participation and Activities

#### 5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state /national / international events (award for a team event should be counted as one) during the year

14

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	No File Uploaded

#### 5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees of

## the institution

The institute strives for the overall development of students, who play an active role in contributing to the effectiveness of the college. PVPSIT always encourages student involvement in various academic and administrative bodies as this allows them to improve their Leadership Skills, Organizational abilities, and Team Spirit. The Institute has a student council, and students actively participate in various committees. Members of the student council communicate their ideas, interests, concerns, opinions, and suggestions to the respective faculty coordinator, who makes appropriate recommendations to the concerned authorities, and thus contributes to the improvement of the academic environment. The committee meets as frequently as necessary, but no less than twice per semester.

Students are members of professional societies such as IEEE, IGS, ISTE, CSI, and ACM. Student representatives actively participate in several Institute and Department level committees such as IQAC, Women's Cell, Literary and Cultural Committee, Library Committee, Grievance Redressal Cell, Canteen Committee, Sports Committee, Placement Cell, Disciplinary & Anti-Ragging Cell, SC/ST CELL, Minority Cell and OBC Cell.

Student Council members actively participate in a variety of activities. They assist in the coordination of all academic events as well as other co-curricular and extra-curricular activities, in accordance with the directives of the faculty coordinator of the student council. They also encourage other students to participate in the Institution's activities. Furthermore, the Student Council has been representing students' perspectives on issues of general concern to them.

The student council has coordinated a wide range of activities since its inception to help students shape and nurture themselves by increasing their confidence and, as a result, making them more employable. Organized a photography contest to encourage creativity and enhance student interests. Regularly once in an academic year, Quiz week is organized to improve awareness of students on various general and societal issues, factors and updates. Commemorated special days like Teacher's Day, EKTA Divas, National Youth day, National Education Day with various activities like Quiz, Elocution, Sketching/Painting, Essay Writing for students. Organized webinars on "Personality Development", "Clean and Green Energy Resources" to encourage and motivate students to become self and eco-sufficient. Also organised Career oriented lectures, Skill development sessions, Awareness programmes on Higher education opportunities in the USA, Germany and India. All these activities are organized and conducted by students, for students in coordination with the faculty coordinator.

Thus providing every opportunity to enable them to develop their Skill and develop themselves as Human Resources with the true potential.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 5.3.3 - Number of sports and cultural events / competitions organised by the institution

61

File Description	Documents
Report of the event	No File Uploaded
List of sports and cultural events / competitions organised per year	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the institution through financial and other support services

The Alumni association is registered as "Prasad V. Potluri Siddhartha Institute of Technology Old Students Association" by the A. P. Societies Registration Act in 2005 with the registration number 241/2005.

Alumni of the college are rendering their service in organizations of National and International Repute. They are spread across the Globe. Alumni of the college have a sense of Belongingness and Responsibility towards the Institution. A few Alumni have settled down as Entrepreneurs. They play a significant role in the development of the Institution. They contribute directly and indirectly for enhancing the skillset of the students. As the members of the Department Advisory Board, the Alumni play a pivotal role in redesigning the Curriculum as per the Industrial requirements. They help a lot in identifying the gaps if any existing in the syllabus and provide necessary suggestions to bridge the gap. Alumni deliver Guest Lectures on recent trends in Technology. They create awareness on the Industrial requirements. They motivate the students to acquire the knowledge and skills required by the Employees. They share Information regarding the Employment Opportunities available in the firms where they are extending their service. Alumni provide



Feedback which is invaluable to the Organization in training the Students. They create awareness on POs and PEOs. They organize Workshops on Technical Topics, Team work Interpersonal skills and other aspects of Personality Development. They provide all inputs required for properly orienting the Students to set their Career Goals and enable them to plan their Future.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

#### 5.4.2 - Alumni's financial contribution during the year

D. 2 Lakhs - 5 Lakhs

File Description	Documents
Upload any additional information	No File Uploaded

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution

Through a well defined vision ,the Institution aims for inculcating an instinct for Research, imparting employability skills, enhancing entrepreneurial abilities and ultimately motivating them to shoulder the social responsibility by successfully Playing their Professional roles and by attaining Professional excellence. To attain the vision ,the Institution facilitates empowerment of the student with Profound Technical knowledge, creating awareness on the latest trends in Technology and by Providing Avenues for Need based Research. The plan of the Institution is to create an ambience for the Application of Technology to solve the societal problems. Continuous improvement is aimed at in all aspects and Sustenance of Quality is ensured in all respects. The Institution makes it's dream turn into a reality through Faculty Empowerment strategies and enhancing the employability Skills. Leadership is ascertained to fulfill the requirements in synchronization with the vision and Mission Participatory Management is Practiced to ensure decentralisation and delegation of power. Students are encouraged to Participate in all activities that Promote the Academic growth to the Institution .they play a Pivotal role in organizing Various Co-Curricular and extra Curricular Activities which enable them to acquire the leadership traits. Students thus acquire a Personality favourable for their Professional Excellence and are enabled to fulfill their social responsibility.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

### 6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

Participative Management is encouraged and decentralization is ensured in all aspects. Delegation of Power is done for attaining role efficacy. Faculty and Students are empanelled on various decision making bodies. Autonomy is Provided in decision making. Various Committees are constituted to ascertain the delegation of power and Participation of Stakeholders. Organizational culture facilitates free decision making and ensures transparency in the system. Principal is the Administrative responsible responsibility pertaining to the respective Programme. The Controller of Autonomous section assisted by a dedicated team shoulders the responsibility of conducting the Examinations and Evaluation Process. The Section In-charges of various committees comprising a team of Faculty and Students attend to Various Co-curricular and extra Curricular activities. The Governing Body ,Academic Council, Board of Studies and other Statutory bodies comprising Members from the Industry ,Faculty, Alumni and Students facilitate Quality enhancement. Training and placement officer assisted by his Team Promotes the Placement of Students. Every Committee is carefully Constituted and rightly directed to derive the desired Result. Students act as Members in all Committees and thus they acquire the leadership skills required to fulfill their Professional responsibilities Team dynamics is ensured and Team culture is propagated. The following committees are constituted to decentralize the academic and administrative activities. 1.IQAC 2.Academic council 3.Board of Studies 4.Autonomous Section 5.Research &Development Cell 6.Training &Placement Cell 7.Enterprenership Development Cell 8.Library Committee 9.Grievance Redressal Cell 10.Desciplinary &Anti Ragging Committee 11.Literary &Cultural Club 12.Physical Education 13.Yoga Centre 14.Womens `Cell 15.Student Council 16.Canteen Committee 17.Graden Development Committee 18.N.S.S 19.N.C.C 20.Industry Institute Interaction Committee 21.Internship Promotion Committee.

File Description	Documents
Upload strategic plan and deployment documents on the website	No File Uploaded
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

### 6.2 - Strategy Development and Deployment

### 6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Creation of opportunities for Research and Development is one of the salient features of the Strategic plan . Realising the dire need, for propagating Need based Research, well equipped laboratories are established. Research Groups are formed to facilitate Collaborative Research. seed Money is Provided Faculty are encouraged to attend provided. Faculty are encouraged to attend Research oriented training programmers. Substantial Support is Provided to the Faculty to apply for Research projects. In-house Student Projects are executed. Model Expos are held .students are motivated to apply Technology for solving societal Problems. Publication of Research articles is given utmost importance. Recognized Research centers are established. Faculty guide the Research Scholars. Professional Society activities are encouraged. As a result of all these, There is a remarkable increase in the number of Ph.Ds awarded to Faculty. Number of Quality publication in National/International Journals, Number of Papers Presented in National/International Conferences has raised. A Number of Faculty extend their services as reviewers for Various Journals. More Number of Patents are filed .Number of Patents are Published. Incentives are Provided to the Faculty for Publication in Scopus Indexed Journals. Conferences are held on various Research Areas. And Innovative ideas are executed .A Favorable environment is Created for taking up Research. Research Circles are formed and discussions are held. Collaborative research is looked up The formation of Research circles has resulted in more number of Publications and Patents. Revenue generated from Consultancy has increased to 7,52,185.00 and total Number of Patents filed/published/granted rised to 82

File Description	Documents
Strategic Plan and deployment documents on the website	No File Uploaded
Paste link for additional information	Nil
Upload any additional information	No File Uploaded

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

The organogram of the Institution Clearly indicates the Organizational Structure of the Institution. The role and responsibilities is well defined .The Institution has well laid procedures that form the Central frame work in facilitating the effective Organization of the Institution. The Primary role is played by the Governing Body in envisaging the growth of the Institution. Every Academic and administrative aspect is Presented in the Periodical Meetings of the Governing Body and approval is The Convener Committee gives necessary Suggestions for the

improvement of the System from time to time. Principal is the Ultimate authority in the decision making Process. He Plays a key role in leading the Institution through effective Human Resource Management . The Principal holds Meetings with the Heads of the Departments at Periodical intervals to discuss Various issues related to Academics and administration. Opinions are sought and consensus is attained before officer the decision is made The administrative officer with a team of office assistants the Principal in fostering smooth administration. The Heads of the Departments Play a major role in the General administration of their respective Departments. They Conduct Meetings with the Faculty and communicate to them the decisions made. Deliberations are held to Chalk out the Modus Operandi to attain the desired result .Review Meeting are held to check the Progress. The Controller of Examinations monitors all matters related to the conduct of examinations and facilitates the Evolution Process ascertaining Confidentiality .results are declared within the stipulated time frame. The Teaching Staff Contribute a lot for enhancing the Quality of Students of the Institution. The Non Teaching Staff render their service by extending substantial support in the maintenance and up gradation of Laboratories. Various other Sections are Constituted to Provide Necessary service to the Student. They include Promote Sports and Games, Hostels, Training& Placements Cell to impart necessary Training and Provide avenues for Placements. The NSS and NCC wings of the Institution are quite active and inculcate in the Spirit of Nationality and develop in them the to serve the Nation. The Literary & Cultural Club fosters the Team spirit and creates in the Students the love for Indian Culture. It Provides necessary awareness and exposure to the Student and fosters Cultural Integrity. Various other Committees are Constituted to attend to the general grievances of the Students and to create a hassle free environment that facilitates the academic growth. Alumni Association establishes linkage with the Alumni and Utilizes their service in imparting necessary Skills, identifying Placement opportunities and extending necessary skills, identifying Placement opportunities and extending necessary Support to the economically Weak Students .Students play an important role as Members in Various Committees. The Industry Institute Interaction Committee facilitates better interaction and bridges the gap between the Industry and the Institute.

File Description	Documents
Paste link to Organogram on the institution webpage	Nil
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

**6.2.3 - Implementation of e-governance in areas of operation:  
Administration Finance and Accounts Student Admission and  
Support Examination**

**A. All of the above**

File Description	Documents
ERP (Enterprise Resource Planning) Documen	No File Uploaded
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	No File Uploaded

### 6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career development/ progression

1. Provision of Health Cards: All the Teaching and Non Teaching Staff of the Institution are provided with Health Cards. The staff can avail medical facility at subsidized cost at Pinnamaneni Siddhartha Medical College run by Siddhartha Academy 1. PVPSIT Employees Cooperative Stores Ltd.: All the employees of the Institution can avail the facility to procure grocery and other essential commodities at comparatively cheaper cost and they also act as share holders. 2. Provident Fund: The college contributes to the Employee Provident Fund 3. ESI facility: This Social Security and Health Insurance Scheme is provided to all those employees whose monthly income is below Rs.21,000/-. 4. Dispensary: Free medical aid is provided to all the Teaching and Non Teaching staff in the College Dispensary. 5. Maternity Leave is provided to all the deserving women employees 6. Financial assistance for skill up gradation 7. Financial assistance for the Teaching Staff for attending conferences / Workshops / Faculty Development Programmes 8. Incentives for Publication in referred Journals 9. Lunch facility in the canteen at subsidized cost 10. Seed money provided for Research Projects 11. Financial Assistance for obtaining Patents for innovative Research 12. Provision of Laptops at subsidised cost. 13. Grativity is provided to Non-teaching staff 14. Free uniform is provided to Class IV employees. Merit cum Means Scholarships are offered to the students

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

### 6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of membership fee of professional bodies during the year

29

File Description	Documents
Upload any additional information	No File Uploaded
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

### 6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teaching and non-teaching staff during the year

69

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

### 6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: (Professional Development Programmes, Orientation / Induction Programmes, Refresher Courses, Short-Term Course, etc.)

198

File Description	Documents
Summary of the IQAC report	No File Uploaded
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	No File Uploaded

## 6.4 - Financial Management and Resource Mobilization

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

The Institution conducts both internal and external audit on all the Financial Transactions.

Internal Audit is conducted once in a semester. Internal Financial accounting would be completed before 15th of the next month. The monthly accounts will be audited by the Senior Accounts staff. Sri K.Rajeswar, Chartered Accountant (Rajeswar Co.), Vijayawada is appointed as external auditors and they have been rendering their service since inception. External audit is conducted once in every semester. Enumeration of the external and internal audits conducted for the last five years with the signatures of auditors/financial officers are presented in the form of PDF files and provided in the form of link for additional information. While verifying the entries, if any mistakes/short comings are noticed, the same will be rectified by the concerned departments. The external statutory auditors visit the college office once a year for vouching Audit and submitting the audit report. After completion, the final statutory audit report shall be submitted to the Governing Body for approval in the month of September/October every year. After approval, the documents can be used for all statutory purposes.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

#### 6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered in Criterion III and V) (INR in lakhs)

0

File Description	Documents
Annual statements of accounts	No File Uploaded
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	No File Uploaded
Any additional information	No File Uploaded

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

Strategies for mobilization of Funds and optimal Utilization of Resources

Resource Mobilization Policy and Procedures for Utilization

Resource mobilization is done by the Sponsoring Authority i.e Siddhartha Academy of General & Technical Education ,in a Unique manner. There are well defined Policies and Procedures to govern the Utilization of Resources.

### Strategy for optimal utilization of Financial Resources:

1. All the requirement of the Institution such as Recurring & Nonrecurring expenditure is projected in the budget.
2. The budget proposals are prepared by the faculty and submitted to the HOD.
3. Deliberations are held by the HOD with the faculty and the proposals are finalized.
4. The budget proposals will be submitted to the Principal
5. The finalized proposals are forwarded to the Management for approval.
6. The Management approves the Budget.
7. Budget thus approved will be communicated to the Department and Sections.
8. The Institution keeps track of the utilization of Budget.
9. In case of any unforeseen situations, on-budgeted amount is considered and sanctioned dependent upon the justification of the case.
10. Periodical Meetings are held and Utilization of Budget is reviewed. Necessar
11. Suggestions are made by the Principal for the effective Utilization of Budget.
12. Budget Utilized during the Past two decades stand Proof to the Optimal Utilization of Funds .

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

### 6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and processes visible in terms of incremental improvements made during the preceding year with regard to quality (in case of the First Cycle): Incremental improvements made during the preceding year with regard to quality and post-accreditation quality initiatives (Second and subsequent cycles)



## Practice 1: Formation of Quality Circles in the Institution

Process of implementing the initiative for achieving the outcome

Since it is a mandatory requirement to implement QC as per the revised guidelines of NAAC IQAC proposed to implement it in the following areas

- a. Slow learners / backlog students
- b. Repeated failure of students in specific subjects
- c. High package.

IQAC Organized One Day Faculty Development Programme on "Quality Assurance in Education through the Quality Circles" on 02.11.2019 by Quality Circle Forum of India (QCFI), Hyderabad. to motivate the faculty that about the Quality Circle. As a result each department identified a small group consisting students and faculty who voluntarily, continually meet to improve the quality of their department by,

- Solving the performance improvement related problems,
- Utilizing problem solving tools & techniques,
- Leading to Self & mutual development.

IQAC Organized One Day Faculty Development Programme on "Implementing Quality Circles in the Institute" on 21-08-2020 by Quality Circle Forum of India (QCFI), Hyderabad . Each department implemented QCs of their interest. Every QC will had a group of students and faculty with a leader and mentor from faculty.

For example from Civil engineering department

Name of the Quality Circle :Consultancy

DateofFormation:10.10.2020

Coordinators:Dr.K.ShyamPrakash

Members: 1.Mr.P.S.V.Bharath

## 2. Mr.V.Preetham

Outcome Expected: To improve consultancy projects for the department.

Impact: The consultancy will be well recognized in NIRF, NAAC and NBA.

Outcome :

• Department of Civil Engineering done consultancy works on Concrete, Soil, aggregate materials and water samples. The increase in consultancy amount had been observed due to formation of this team for consultancy quality circle which is shown in table.

Sl. No. AcademicYear Consultancy Amount (Rs.)

1 2019-2020

(21) 1, 13, 383

2 2020-2021

(96) 5, 67, 685

Computer Science and Engineering

a) Name of the Quality Circle :Training on Competitive Programming

b) Date of Formation : 01-07-2020

c) Members : 1. Dr. B. Janakiramaiah

2. Mrs. D. Swapna

3. Mr. P. Anil Kumar

4. Mr. K. Venkatesh

5. Mr. V. Rajesh

6. Ms.ShilpeeKumari

## 7.Ms.KeertiPaliwal

d) Date of Implementation : 01-07-2020

e) Activities/Events/ Brainstorm Sessions Conducted :

For III Year Students:

1. training on"Java" Language
2. training on Aptitude, Logical Reasoning & Soft skills
3. coding contests through different coding platforms like Hackerank, Codechef, SPOJ, Interview List, Codeforces

Training on C Programing and Data Structures.

f) Outcome Expected : High package placements

Package AcademicYear Significant improvement

No. of students placed with package 5 to 8 lakhs 2019-2020

18

2020-2021

42

No. of students placed with package 4 to 5 lakhs

2019 - 20 38

2020-2021

104

Practice -2 : Action taken report on how the feedback obtained is being analyzed and utilized for overall development of the institution

Process of implementing the initiative for achieving the outcome

The students provide online feedback about course coordinator's teaching once in a semester. It is valuable as it helps course coordinator to improve and refine teaching. If the feedback is less than 3 out of 5, Head of the department will council the concerned faculty and also observes his teaching process.

Graduate Exit Survey

A questioner is prepared and is given to the student at the end of the program to get their Feedback of that program. The results are analysed to see whether the POs and PSOs are slightly, Moderately or strongly attained.

Alumni Survey

A questioner is prepared and is given to the passes out students to get their feedback. The results are analysed to see whether the POs and PSOs are slightly, moderately or strongly attained.

Feedback from Parents

Parents give feedback about Pos and PSOs. It will be taken once in a year. It helps to improve the overall system.

Curriculum review by Industry/Academic experts:

Curriculum reviews by Industry/Academic experts provide a broad-based internal and external feedback regarding the program's curriculum.

- Feedback is taken from the students' through online mode after first mid examination in every semester. the performance of each faculty member is analyzed a committee headed by HOD .
- If the feedback is less than 3 on a 5 point scale for any course the concerned faculty will be counselled and deputed to FDP/Workshop/seminar in that particular domain for improvement.
- Feedback from parents and alumni is taken in the Parents Meeting and Alumni Meet.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes at periodic intervals through its IQAC as per norms

The Institution is keen on the effectiveness of the Teaching learning process. IQAC contribute to improve the teaching- learning process. Every department adopts the following methods and IQAC monitors them

- The implementation of the Teaching - Learning Process as per the Academic Calendar.
- The lesson Plan is checked to ensure the use of ICT in Teaching - Learning and Innovative Methods of Teaching,
- An analysis of the outcomes is made based on the examination Results

IQAC also assesses the teaching learning outcomes through

1. Course exit Survey.
2. Course outcome analysis.
3. Result Analysis.
4. Assessment of PO's

The college has an objective and effective system of student evaluation through which Quality teaching and learning is assured.

I. Some of the staff members adopted new teaching methodology "FLIP CLASS ROOM" which was originally designed by University of AUSTIN. This is simply flipping or reverses the role of teacher and students in the traditional class room teaching. Students prepare the concepts on their own off the class rooms and solve the assignments given by the teacher in the class room. This enhances the students self learning capacity and habituate them to learn by doing on their own.

II. Using LCD projectors, Video lectures, Referring information provided by the eminent universities. Students are encouraged to register for the NPTEL Video lessons in order to widen their subject knowledge and to attain certification in that particular area.

III. Topic beyond the syllabus has been covered as per the requirement of Industries in terms upgrading students with latest technologies like ANDROID etc.

IV. The individual faculty member prepared the Course plan including Course objectives Class tests , Assignment s for teaching and evaluation as per the syllabus of respective subjects at the beginning of every semester

V. An Effective counselling mechanism exists in the department where students are counselled regarding backlog subjects, attendance and the problems faced if any

VI. Remedial classes are conducted for the students with more backlog subjects.

VII. The late comers are monitored and counselled towards the regularity in the class work.

VIII. Lesson plans are reviewed once in every 15 days by the HOD Feedback obtained from students is analyzed and used for taking corrective actions.

IQAC monitors and evaluates the quality of teaching learning. Through the continuous assessment ,internal examination , semester end examination results obtained in every semester , the student performance is evaluated. Through Faculty self appraisal reports under CAS and feedback reports from the students the quality of the faculty is measured. Action Report are prepared and the Principal takes necessary steps to implement them.

Out - Come:

The improvement in faculty performance is observed in terms of

- 1. Quality in publications ,
- 2. Increase in the number of quality research proposals to the funding agencies
- 3. Faculty interaction with outside world.

through the above evaluation and monitoring methods.

#### Outcomes:

- Evolving Need Based Curriculum
- Refinement of Curriculum
- Increased number of Value added courses.
- Special training programs are held
- 6 UG Programmes are accredited by NBA for three yrs.
- The college has secured considerable rank in NIRF.

Various reformative measures are taken through IQAC.

- All the class rooms are equipped with LCD/LEDs to facilitate the enhanced use of ICT.
- As a result of this, the performance of the Faculty is improved.
- IQAC has further encouraged the use of Flip class and Blended class through the Student centric method.

The interactive class room sessions would enable the Teacher to understand the Merits and short comings of the students and provide them better Guidance.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional information	Nil

**6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed and used for improvement of the institution Collaborative quality initiatives with other institution(s) Participation in NIRF Any other quality audit recognized by state, national or international agencies (such as ISO Certification)**

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

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://www.pvpsiddhartha.ac.in/IQAC2019/reportsAQAR.html">https://www.pvpsiddhartha.ac.in/IQAC2019/reportsAQAR.html</a>
Upload e-copies of accreditations and certification	No File Uploaded
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	No File Uploaded

## **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 year**

##### **Specific Facilities provided for women**

1. In terms of safety and Security- Campus is covered with CC cameras for the security of girl students.
2. In terms of common rooms- Arranged Rest rooms and Washrooms for the girl students and women faculty in each floor.
3. In terms of counseling- Internal compliance committee council the students in case of necessary situations.

File Description	Documents
Upload any additional information	No File Uploaded
Paste link for additional Information	Nil

#### **7.1.2 - The Institution has facilities for alternate sources of**

**B. Any 3 of the above**



energy and energy conservation: Solar energy plant Wheeling to the Grid  
 Biogas Sensor-based energy conservation  
 Use of LED bulbs/ power-efficient equipment

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste (within a maximum of 200 words)

**SOLID WASTE MANAGEMENT:** The term solid waste includes all those solids and semi-solid materials that are discarded by the people in daily life. In our campus the solid waste includes paper, discarded food from the canteens, office waste like used pens, paper, class room waste, and garden waste.

In the campus we are practicing a two bin system to collect the dry and wet waste separately. The office, class rooms, canteen are provided with green and red bins to collect bio-degradable and non-biodegradable waste. The bio-degradable wastes like canteen waste, paper waste, and garden waste are used for making the compost in the campus and supplied to the plants in the campus itself.

**LIQUID WASTE MANAGEMENT:** The liquid waste produced from the canteen is allowed to go to the nearby trees as it does not contain any harmful materials.

**E- WASTE MANAGEMENT:** The e-waste includes electronic and electrical equipments / products including the connecting power plugs, cables and batteries which have become obsolete. As of now we are inviting quotations from different agencies for their disposal.

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	No File Uploaded
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

7.1.4 - Water conservation facilities available in the

D. Any 1 of the above

**Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus**

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	No File Uploaded

### 7.1.5 - Green campus initiatives include

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:**

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

A. Any 4 or All of the above

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	No File Uploaded
Any other relevant documents	No File Uploaded

### 7.1.6 - Quality audits on environment and energy undertaken by the institution

**7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:**

1. Green audit
2. Energy audit
3. Environment audit

D. Any 1 of the above

**4. Clean and green campus recognitions/awards**  
**5. Beyond the campus environmental promotional activities**

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	No File Uploaded
Certification by the auditing agency	No File Uploaded
Certificates of the awards received	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

D. Any 1 of the above

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	No File Uploaded
Details of the software procured for providing assistance	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards cultural, regional, linguistic, communal, socio-economic and other diversities (within a maximum of 200 words).**

Students will be part of their community when they develop a sense of belonging and become better prepared for life in the community as adults. It is possible with inclusive environment, which provides opportunities for learning as students with varying abilities are better motivated when

they learn in classes surrounded by other students besides developing their strengths. Inclusive environment promotes a culture of respect for each other which provides opportunities for growth.

The institution strives for equality and fraternity among all cultures and traditions. Students and employees from different states, castes, religions pursue their academics or discharge their duties without any sort of discrimination.

Efforts and initiatives are taken and been followed towards inclusive environment. Birth anniversaries of great Indians like Mahatma Gandhi, Dr. BR Ambedkar, Sardar Vallabhbhai Patel, Pandit Jawaharlal Nehru, Sarvepalli Radhakrishnan, Lal Bahadur Shastri, Srinivasa Ramanujam, etc are observed with great reverence.

National festivals are celebrated with great fanfare. Cultural programmes depicting State and National cultures are organized. Various efforts are carried out to uphold the socio-cultural diversity in the campus.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	No File Uploaded

#### 7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and responsibilities of citizens:

The Constitution of India guarantees specific rights and freedom to individuals and assures the protection and promotion of human dignity, equality and liberty. Hence, sensitizing students and employees of the Institution to the constitutional obligations is highly essential as they become aware of their fundamental values, rights, duties, and responsibilities as citizens of India. The Constitution defines the power of the government, serves as the framework for good governance and binds the nation together. It functions as a social contract between the government and the people governed.

Today's students are tomorrow's leaders. In this regard, various events of constitutional importance are conducted to equip students with the knowledge of their rights and duties. Constitution of India is prescribed as a course for students. NCC and NSS wings mould them towards discipline and selfless service. Awareness drives on Constitution Day, National Voter Day, Beti Bachao - Beti Padhao, Legal Awareness, Youth Empowerment, Grocery Donation, Clothes Distribution etc are conducted. These events will certainly sensitize all of us to properly understand the

Constitution in its right sense and accept our fellow citizens as we are regardless of their caste, creed, social status and consider everyone equal.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	No File Uploaded
Any other relevant information	No File Uploaded

**7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic sensitization programmes in this regard: The Code of Conduct is displayed on the website There is a committee to monitor adherence to the Code of Conduct Institution organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

A. All of the above

File Description	Documents
Code of Ethics - policy document	No File Uploaded
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	No File Uploaded
Any other relevant information	<a href="#">View File</a>

**7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals**

- ISTE student chapter celebrated Engineers day to Commemorate the Birth anniversary of world renowned Engineer Sir Mokshagundam Visvesvaraya on 15.09.2020 for Civil Engineering students and Prize winners listed as follows

Provide web link to:

- Annual report of the celebrations and commemorative events for during the year
- Geotagged photographs of some of the events
- Any other relevant information

Celebrating days of national and international importance commemorates the sacrifices and strenuous endeavors of our great leaders who laid down their lives for various noble causes. Moreover, these are occasions to educate the general public on issues of concern, to mobilize them to address global problems, and to celebrate and reinforce achievements of humanity. Through festivals, we celebrate glorious heritage, culture and traditions. They play an important role in integrating people by structuring our social lives and by uniting us with our families and backgrounds.

The themes of national and international days always reinforce action like international peace and security, promotion of sustainable development, protection of human rights and humanitarian action towards various problems plaguing the world.

The institute makes tremendous efforts to make these occasions an integral part of learning, which will build a strong cultural belief, and promotes ethics and values among students.

Red Cross Day, Human Rights Day, World Earth Day, World Environment Day, World Food Safety Day, Independence Day, Republic Day, International Yoga Day, International Women's day, NSS Day, Blood Donor Day, Indigenous People Day, National Unity Day, Birth Anniversaries of Mahatma Gandhi, Dr. BR Ambedkar, Swami Vivekananda, etc are observed/ celebrated in the campus.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	No File Uploaded
Geotagged photographs of some of the events	No File Uploaded
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

### Best Practices

**Title of the Practice: Industry Institute Interaction Objectives:** 1. To devise need based Curriculum 2. To bridge the gap between the Industry and Institute 3. To strengthen Industry-Academia partnership 4. To give more practical orientation to the Teaching-Learning process 5. To provide a common platform for discussing the Technological needs of the society 6. To enable the student reach the expectations of the Industry 7. To organize Guest Lectures on Emerging Technologies 8. To impart various skills required by the Industry 9. To enhance the employability

**potential The Context:** In the globalized, liberalized scenario, there is a dire need to produce engineers capable of addressing the Human needs. Innovation is the need of the hour. A favorable environment is to be created for the student to motivate him towards innovation and invention. The student should be endowed with the required skillset to address the Technological problems confronted by the future society. Students should have adequate exposure to the Industries. He should be aware of the Industrial requirements. The students need to cultivate the problem solving skills. Exposure to Industrial environment would make the student technically competent and provide knowledge of advanced technologies. Opinions and suggestions of experts from reputed Industries would result in Academic reforms and revision of curriculum. **The Practice:** India is a developing nation on the socio-economic front. Technology needs to address the problems and lead to development. The Institution has entered into MOUs with reputed Industries to enhance Industry Institute Interaction. It provides abundant exposure to the students. It gives them adequate knowledge of the emerging trends in Technology. Student gains knowledge of Advanced Technologies. **Practical Exposure** provides the student with an ability to involve them selves in Minor and Major Research Projects. Students are sent on Industrial visits. Opportunities for internships are provided. Guest Lectures by eminent persons from Industry are arranged. Workshops in collaboration with Industries are held. Value added courses are conducted with resource persons from Industries. Feedback from Industrialists is obtained to fine tune curriculum, and make the student Industry ready. Students acquire skills required to solve Technological Problems faced by people **Need based Research** is promoted. Students are encouraged to provide innovative solutions to the needs of the society. Feedback on the competency levels of Alumni serving in various Industries is obtained. Gap analysis is made and necessary changes are initiated. Faculty and Students are acquainted with the Best Practices in the Industry. Company specific training is provided. Eminent Industrialists are invited to deliver talks on corporate etiquette. Incubation Centre is established. Special Training Programmes for Code Vita contests are held. Research Groups are formed. Awareness Programmes are arranged by the Entrepreneurship Development Cell. Students are exposed to the real life problems in the Industries. Because of the Functional MOUs, opportunities for Internships are increased. Students are trained rigorously on emerging Technologies. The Faculty are encouraged to apply for provisional patents. Idea contests are held. Students participated in Hackathons. **Evidence of Success:** Enhanced Industry Institute Interaction Guest Lectures/Seminars by Industry experts

Feedback on performance of Alumni by Employers. Increase in the number of Internships Introducing Value added Courses Enrichment of Quality of Major and Minor Projects Enhanced employability skills Constant rise in the number of placements Faculty applying for provisional patents Revision of curriculum It could lead to enhanced employability potential in the students. This created an edge over others and resulted in more campus placements. Reputed Industries are keen on conducting

campus recruitment drives. Team culture is fostered which is vital for Research and Development. There is increase in the number of innovations leading to the provisional patents. On the whole, this practice has resulted in inculcating the Research instinct, increase in the number of publications, improvement in the Quality of Publications. As a result of this endeavor, the Institution could successfully secure a noteworthy position in the NIRF Ranking. Establishment of innovative laboratories in collaboration with National Instruments. Companies like Efftronics have participated in the BOS and gave valuable suggestions for the improvement of curriculum. The major companies like TCS, Cap Gemini and Tech Mahindra have visited the Institution for campus recruitment drives. Problems encountered and Resources required: Arranging the Guest Lectures without disturbing the Regular schedule. • Due to time constraint of Industrialists, difficulty is experienced while drawing Resource • Persons. Identifying the emerging areas of Technology. • Initially it was difficult to make the student focus on the emerging technologies. • Sophisticated equipment had to be procured to conduct certain experiments which involved • advanced technologies. Difficulty in identifying the Resource Persons with required skills for providing company specific • training. The procurement procedures were time consuming in establishing collaborative Laboratories •

#### Best Practice II:

##### 1. Title of the Practice:

Certification courses - NPTEL, Coursera and Spoken Tutorials, IIT- Bombay

##### 2. The Context that required the initiation of the Practice:

To inculcate self learning capabilities among students and enhancement of knowledge for the faculty .

##### 3. Objective of the Practice:

To improve Technical skills of the students leading to good number of placements .

##### 4 The Practice: N PTEL

Subject Matter Experts (SME - faculty from IITs or partner institutes with input from industry) create recorded video content for courses. Every week, about 3 hrs of video content is released along with an assignment, which is evaluated and provides the student with a score. Faculty from department will act as mentor to guide the student.



**Test Pattern:**

Final score=25% assignment score + 75% exam score. The pass criterion for exams is being changed from July 2019. A learner will pass and be certified only if Average assignment score (out of 100) >= 40 AND Final exam score (out of 100) >= 40.

**5. Obstacles faced**

if any and strategies adopted to overcome them: -

**6. Impact of the practice :**

Most of the students certified in NPTEL are placed in various MNCs and top performers in NPTEL courses got placement with high package .

**7. Resources required :**

Computers with Internet Facility

File Description	Documents
Best practices in the Institutional website	<a href="https://www.pvpsiddhartha.ac.in/igac2019/docs/Best_Practices.pdf">https://www.pvpsiddhartha.ac.in/igac2019/docs/Best_Practices.pdf</a>
Any other relevant information	Nil

**7.3 - Institutional Distinctiveness****7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 words)**

**Institutional Distinctiveness.** In tune with the Vision and Mission of the Institution, the College has a unique Plan of Action. The Institution takes up various activities as per the Plan of Action. This has in fact created an environment conducive to the Academic growth of the Institution. In tune with the Plan of Action of the Institution, the Departments meticulously design their Activities strictly adhering to the Academic Calendar. Since inception, the Institution has its own distinctiveness in all aspects and could emerge as an Organisation of Repute. The focus of the Institution is on Providing quality Education through rigorous Practical training. Avenues for Internship are identified well in advance and Students are encouraged to take up Internships in Industries Which gives them adequate exposure and Hands on experience. The Institution has entered into M.O.U.S with Industries and this makes it Possible to secure more Internships. Industrial visits are facilitated. Guest Lectures by Industry Personnel are held.

Industry personnel help in Providing inputs during the revision of Curriculum and favors the design of Need based Curriculum. Students have a wider exposure to the emerging technologies and have Certainly an edge over others. M.O.U with ICT Academy has given ample scope for expanding the horizon of learning .Enhanced Industry-Institute interaction is attained and has lead to the Cultivation of an instinct for growth and an impulse for Research Industrial needs are identified and the required skill set is imparted to the Students through Various Skill Development Programmes. Entrepreneurial abilities of the Students are enhanced and necessary impetus for Startups is Provided. Special Training Programmes are Organized which are Company specific and this resulted in the Competency Development in Students. Owing to the innovative Strategies adopted in Teaching - Learning and Career counseling and Training, the Students of P.V.P.S.I.T have been sought after by the reputed corporate firms for providing employment. Mock Interviews and Personality Oriented training, Leadership Development Programmes have boosted the morale of the Student and have immensely increased the opportunities for their placements with high Package. During the Current Academic Year, the number of Placements has increased tremendously and many Students got multiple offers. Well trained, Well Placed Students would turn out to be responsible citizen in future. Such Individuals would certainly raise the reputation of the Institution through their invaluable service to the society both in their Professional and social roles. They in value themselves in Contributing to various developmental activities in the Community and fulfill their social responsibility the distinctiveness of the Institution lies on Creation of Opportunities for Placements and Providing ample training for assured Placements.

File Description	Documents
Appropriate link in the institutional website	<a href="https://www.pvpsiddhartha.ac.in/IQAC2019/docs/Institutional_Distinctiveness.pdf">https://www.pvpsiddhartha.ac.in/IQAC2019/docs/Institutional_Distinctiveness.pdf</a>
Any other relevant information	No File Uploaded

### 7.3.2 - Plan of action for the next academic year

The Institution aims to achieve the specific objectives through effective implementation of various Strategies. The following is the Plan of Action

**Objective**

**Strategy**

1. Enhancement of R&D activity.

Provision of seed Money Increase in the number of publications in SCI/Scopus Journals. Increase in the number of Patents organizing more International Conferences organizing Training programmes on Research Methodology. Applying for Research Grants from Funding Agencies.

## 2. Enhancement of Teaching Learning Process.

Involving in coding Contests Adopting innovative Methods of Teaching. Use of ICT Certification programmes engaging Industry Personnel to deliver some lectures.

## 3. Deputing Technical Staff for Skill Development Programs. Increase the Internship Opportunities.

Organizing more FDPS. Functional MOUS. Professional Society activities.

## 4. Improving the Placements and Quality of Placements.

Providing rigorous training Providing Company specific training. Providing Career Counseling Providing training in Soft skills.

## 5. Gearing up Entrepreneurial activity.

Encouraging startups awareness Programmes.

## 6. Community Development activity.

Enhanced social service activities. Fund raising for the down trodden.