



## Yearly Status Report - 2017-2018

### Part A

#### Data of the Institution

|   |   |
|---|---|
| 1. Name of the Institution                    | SIDDHARTHA INSTITUTE OF TECHNOLOGY AND SCIENCES       |
| Name of the head of the Institution           | Dr S. Syed Basha                                      |
| Designation                                   | Principal   |
| Does the Institution function from own campus | Yes   |
| Phone no/Alternate Phone no.                  | 09542664980   |
| Mobile no.                                    | 9908535188  |
| Registered Email                              | principal.siddhartha@gmail.com                        |
| Alternate Email                               | director@siddhartha.co.in                             |
| Address                                       | Narapally ,Korremula Road ,Medchal<br>Malkajgiri Dist |
| City/Town                                     | Hyderabad   |
| State/UT                                      | Telangana   |
| Pincode                                       | 500088  |

| <b>2. Institutional Status</b>   |                 |                                       |  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
|--|-----------------|---------------------------------------|--|-------------|-------------|---|-------|------|---|-----------------|---------------------------------------|-----------------------|-------------|----|---|------|------|-------------|-------------|
| Affiliated / Constituent   |                 |                                       | Affiliated   |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Type of Institution  |                 |                                       | Co-education   |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Location   |                 |                                       | Rural  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Financial Status   |                 |                                       | Self financed  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Name of the IQAC co-ordinator/Director   |                 |                                       | Dr ARUNPRASATH RAVEENDRAN  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Phone no/Alternate Phone no.   |                 |                                       | 07989541235  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Mobile no.   |                 |                                       | 7989541235   |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Registered Email   |                 |                                       | principal.siddhartha@gmail.com   |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Alternate Email  |                 |                                       | chairman.sits@gmail.com  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| <b>3. Website Address</b>  |                 |                                       |  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Web-link of the AQAR: (Previous Academic Year)   |                 |                                       | <a href="http://siddhartha.co.in/">http://siddhartha.co.in/</a>  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| <b>4. Whether Academic Calendar prepared during the year</b>   |                 |                                       | Yes  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| if yes,whether it is uploaded in the institutional website:<br>Weblink :   |                 |                                       | <a href="http://siddhartha.co.in/wp-content/uploads/2021/05/Academic_Calender_2017-18.pdf">http://siddhartha.co.in/wp-content/uploads/2021/05/Academic_Calender_2017-18.p<br/>df</a> |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| <b>5. Accrediation Details</b>   |                 |                                       |  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| <table border="1"> <thead> <tr> <th rowspan="2">Cycle</th> <th rowspan="2">Grade</th> <th rowspan="2">CGPA</th> <th rowspan="2">Year of Accrediation</th> <th colspan="2">Validity</th> </tr> <tr> <th>Period From</th> <th>Period To</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>B</td> <td>2.37</td> <td>2018</td> <td>03-Jul-2018</td> <td>02-Jul-2023</td> </tr> </tbody> </table>       |                 |                                       |  |             |             | Cycle   | Grade | CGPA | Year of Accrediation                          | Validity        |                                       | Period From           | Period To   | 1  | B | 2.37 | 2018 | 03-Jul-2018 | 02-Jul-2023 |
| Cycle  | Grade           | CGPA                                  | Year of Accrediation   | Validity    |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
|  |                 |                                       |  | Period From | Period To   |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| 1  | B               | 2.37                                  | 2018   | 03-Jul-2018 | 02-Jul-2023 |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| <b>6. Date of Establishment of IQAC</b>  |                 |                                       | 01-Jul-2013  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| <b>7. Internal Quality Assurance System</b>  |                 |                                       |  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| <table border="1"> <thead> <tr> <th colspan="3">Quality initiatives by IQAC during the year for promoting quality culture</th> </tr> <tr> <th>Item /Title of the quality initiative by IQAC</th> <th>Date &amp; Duration</th> <th>Number of participants/ beneficiaries</th> </tr> </thead> <tbody> <tr> <td>Stress Management and</td> <td>06-Aug-2017</td> <td>45</td> </tr> </tbody> </table> |                 |                                       |  |             |             | Quality initiatives by IQAC during the year for promoting quality culture |       |      | Item /Title of the quality initiative by IQAC | Date & Duration | Number of participants/ beneficiaries | Stress Management and | 06-Aug-2017 | 45 |   |      |      |             |             |
| Quality initiatives by IQAC during the year for promoting quality culture  |                 |                                       |  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Item /Title of the quality initiative by IQAC  | Date & Duration | Number of participants/ beneficiaries |  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |
| Stress Management and  | 06-Aug-2017     | 45                                    |  |             |             |   |       |      |   |                 |                                       |                       |             |    |   |      |      |             |             |

|  |                  |    |
|--|------------------|----|
| Work Life Balance                              | 1                |    |
| Workshop on goal setting                       | 22-May-2018<br>1 | 36 |
| Positive Thinking for Holistic Growth          | 25-Jun-2018<br>1 | 28 |
| Pedagogy Training Programme                    | 20-Jun-2017<br>2 | 50 |
| IPR Protection and Importance of Patent Filing | 19-Nov-2017<br>1 | 35 |
| Programme on increase use of E journals        | 13-Mar-2018<br>1 | 50 |
| <a href="#">View File</a>                      |                  |    |

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

| Institution/Department/Faculty | Scheme | Funding Agency | Year of award with duration | Amount |
|--------------------------------|--------|----------------|-----------------------------|--------|
| ZERO                           | 0      | ZERO           | 2018<br>0                   | 0      |
| No Files Uploaded !!!          |        |                |                             |        |

|  |                           |
|--|---------------------------|
| <b>9. Whether composition of IQAC as per latest NAAC guidelines:</b>   | Yes                       |
| Upload latest notification of formation of IQAC  | <a href="#">View File</a> |
| <b>10. Number of IQAC meetings held during the year :</b>  | 4                         |
| The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website       | Yes                       |
| Upload the minutes of meeting and action taken report  | <a href="#">View File</a> |
| <b>11. Whether IQAC received funding from any of the funding agency to support its activities during the year?</b> | No                        |

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

- Quality improvement strategies in academic aspects, student support programs relevant to academic ,Faculty development program, workshop, Guest lecture, Infrastructure facilities.
- Implementation of OBE. External Internal Academic audits for all Courses s. Revenue generation through R D, Consultancy and Testing services. Train the students in new technology as per industry requirement. Create awareness improve ecological practices to conserve power and keep campus

[View File](#)
**13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year**

| Plan of Action  | Achivements/Outcomes   |
|---|--|
| To increase the students participation in various competitive examinations      | Students were given Counselling to improve their performance in competitive examinations like GATE, Sector Exams and higher studies etc, |
| To increase the Number of PhD holders   | This initiative has increased the number of Ph.D holders in the Institution in the Academic year 2017-18                                 |
| To organize two pedagogy training programs for new recruited faculties          | Two pedagogy training programmes were conducted for new recruited r faculties.   |
| To improve the placement activities   | The number of students who got job offers has been improved as compared to last year.  |
| To ensure proper utilization of moodle, blackboard, LMS by all teaching faculty | All the faculty members have utilized moodle , blackboard, LMS   |
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**14. Whether AQAR was placed before statutory body ?**

No

**15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?**

No

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

Yes

Year of Submission

2018

Date of Submission

04-Mar-2018

**17. Does the Institution have Management Information System ?**

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

Implementing egovernance in our SITS enables effective monitoring of academic standards. Today, there has been an increasing gap between what has been imparted to students curriculum and what has been really demanded. Both

UG and PG level needs reforms with regard to curriculum, teaching, learning the evaluation so as to meet the every changing needs of the world. Keeping this in view, an attempt has been made in this write up to highlight the impact of e-governance also. To better understand where the future of technology in education is headed, it is important to establish a baseline for changes by examining the advances over the last decade. This will lead to following advantages.

1. Student Access to and Use of Technology in colleges
2. Monitoring academic performance
3. Planning and development
4. Finance and accounts

To monitor the academic performance of the students software named Vmedula is implemented which makes much information at one place making the academics much easier. Tally is powerful accounting software used in SITS. It is easy to use software and is designed to simplify complex day to day activities associated. As a part of planning and development of an efficient library for the students SITS has opted for Koha Campus software which provides a wide area of advantages for library management. Exam branch of SITS has adopted, JNTU VPN software in regards to all the details involved with respect to JNTUH.

## Part B

### CRITERION I – CURRICULAR ASPECTS

#### 1.1 – Curriculum Planning and Implementation

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

Curriculum planning and implementation Siddhartha Institute of Technology and Sciences (SITS) was established in the year 2008 and is affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH). As an affiliated college SITS has to follow the curriculum specified by JNTUH. The institution strictly adheres to the academic calendar of the affiliating university in curriculum delivery through a meticulously planned and documented process. The details of the process are described below.

- Planning of Curriculum Delivery

Affiliating university academic calendar is distributed to all departments and displayed in the notice boards. The departments prepare an academic calendar strictly in line with university calendar by further incorporating various co-curricular, extracurricular activities and extension activities. Academic planners are prepared and disseminated to all students well before the commencement of semester. Academic planners of theory courses contain Lesson Plans/Teaching plans, Syllabus, Course objectives and outcomes, recommended text books, URLs of course material, Assignment questions, Tutorial questions,

Time Tables and previous year question papers. Laboratory Planner is separately prepared and disseminated to all students in advance. Laboratory planner consists of Lab Course Outcomes, Experiment Schedules, Lab manual, Description of Add-on experiments (LEAD Experiments), Lab maintenance schedule etc.

Assignment declaration and submission schedules, mid-term examination schedules, internal and external practical examination schedules are prepared in line with university calendar Time Tables are prepared as per the University guidelines. A scientific approach is followed in allocation of subjects to the faculty members based on the options received from them depending on their proficiency and interest. Implementation and Documentation of Curriculum Delivery The SITS implements effective curriculum delivery through Innovative teaching methods. These are used to deliver curriculum effectively. Some of the best practices are: Collaborative Learning Group Learning Project Based Learning Mind Mapping Multimedia Learning Think Pair Share Technique Mnemonics Words - Words -Words Approach

1. Competencies of Faculty: The SITS has well qualified, Rich academic and industrial experienced faculty encouraged to participate in Seminars, FDP's and Conferences.

2. Improvement of Outcome Based Education: The College follows Outcomes-based education (OBE) to plan, deliver and assess curriculum as prescribed by JNTU, Hyderabad. The SITS implemented OBE since 2014 which makes periodic review of student attainment levels in course and programme outcomes.

3. Over View of the Documentation Process: Attendance registers for class and labs are filled with all details like day-wise attendance, lecture coverage, mid marks, assignment marks, time tables etc. Syllabus coverage reports are prepared before and after Mid Exams. Tutorial classes are conducted for the relevant subjects as mentioned in the curriculum. Student feedback are taken periodically

4.. Identification of Curriculum and Delivery Gaps Though SITS is an affiliated college and has limitation to change/modify the curriculum, the institution has taken initiatives to identify some gaps by taking feedback from the stake holders. The topics identified as gaps are communicated to the Board of Studies of the affiliating university. Identified topics are delivered to students by experts/ internal faculty members.

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

| Certificate  | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entrepreneurship | Skill Development                                |
|--|-----------------|-----------------------|----------|--|--|
| Certificate Course on Entrepreneurship Development               | Nil             | 07/02/2018            | 36       | Entrepreneurship                         | Technology entrepreneurship Program for startups |
| Certificate Course on Network Association CCNA Routing Switching | Nil             | 06/03/2018            | 34       | Employability                            | Technology Skills                                |
| Certificate Course on Data Science                               | Nil             | 14/09/2017            | 33       | Employability                            | Technology Skills                                |
| Certificate  | Nil             | 25/08/2017            | 36       | Employability                            | Technology Skills                                |

|   |     |            |    |                   |                      |
|---|-----|------------|----|-------------------|----------------------|
| Course on<br>Big Data                           |     |            |    |                   |                      |
| Embedded<br>System and<br>Robotics.             | Nil | 02/01/2018 | 36 | Employabil<br>ity | Technology<br>Skills |
| Android<br>Mobile<br>Applications               | Nil | 03/02/2018 | 38 | Employabil<br>ity | Technology<br>Skills |
| Certificate<br>program on<br>AUTOCAD            | Nil | 05/12/2017 | 38 | Employabil<br>ity | Technology<br>Skills |
| DESIGN<br>DEVELOPMENT<br>OF VEHICLE<br>DYNAMICS | Nil | 06/03/2018 | 38 | Employabil<br>ity | Technology<br>Skills |

## 1.2 – Academic Flexibility

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

| Programme/Course  | Programme Specialization | Dates of Introduction |
|-------------------|--------------------------|-----------------------|
| Nil               | ZERO                     | Nil                   |
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### 1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

| Name of programmes adopting CBCS | Programme Specialization                   | Date of implementation of CBCS/Elective Course System |
|----------------------------------|--|---|
| BTech                            | ELECTRONICS AND COMMUNICATIONS ENGINEERING | 24/07/2017  |
| BTech                            | CIVIL ENGINEERING                          | 24/07/2017  |
| BTech                            | ELECTRICAL AND ELECTRONICS ENGINEERING     | 24/07/2017  |
| BTech                            | MECHANICAL ENGINEERING                     | 24/07/2017  |
| BTech                            | COMPUTER SCIENCE AND ENGINEERING           | 24/07/2017  |
| Mtech                            | Thermal Engineering                        | 28/08/2017  |
| MBA                              | MBA  | 28/08/2017  |

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

|                    | Certificate | Diploma Course |
|--------------------|-------------|----------------|
| Number of Students | 1021        | Nil            |

## 1.3 – Curriculum Enrichment

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

| Value Added Courses                                    | Date of Introduction | Number of Students Enrolled |
|--|----------------------|-----------------------------|
| English Language<br>Communication Skills<br>Laboratory | 23/06/2017           | 60                          |

|                                    |            |    |
|------------------------------------|------------|----|
| Python Programming                 | 13/10/2017 | 84 |
| Computational Fluid Dynamics (CFD) | 15/11/2017 | 69 |
| Additive Manufacturing             | 11/12/2017 | 46 |
| JAVA Programming                   | 08/01/2018 | 44 |
| Python Hackathon                   | 05/02/2018 | 45 |
| <a href="#">View File</a>          |            |    |

### 1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title   | Programme Specialization                   | No. of students enrolled for Field Projects / Internships |
|---------------------------|--|---|
| BTech                     | ELECTRONICS AND COMMUNICATIONS ENGINEERING | 232   |
| BTech                     | CIVIL ENGINEERING                          | 184   |
| BTech                     | ELECTRICAL AND ELECTRONICS ENGINEERING     | 82  |
| BTech                     | MECHANICAL ENGINEERING                     | 54  |
| BTech                     | COMPUTER SCIENCE AND ENGINEERING           | 223   |
| Mtech                     | THERMAL ENGINEERING                        | 18  |
| MBA                       | MBA  | 96  |
| Mtech                     | VLSI                                       | 15  |
| Mtech                     | CSE  | 14  |
| <a href="#">View File</a> |  |   |

## 1.4 – Feedback System

### 1.4.1 – Whether structured feedback received from all the stakeholders.

|           |     |
|-----------|-----|
| Students  | Yes |
| Teachers  | Yes |
| Employers | Yes |
| Alumni    | Yes |
| Parents   | Yes |

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

| Feedback Obtained   |
|---|
| <p>Structured feedback obtained from various stakeholders are analysed and utilized for overall development of the institution. • Student – Student's feedback on teacher's performance and on curricular aspects is conducted by the IQAC cell at the end of every semester. The feedback on teacher's performance obtained is analysed and discussed with the Course instructor/HOD /Dean and the Principal to ensure quality of teaching learning process. • Student Exit poll is conducted for the final year students during the month of March by the IQAC Cell. The Exit poll feedback covers various aspects like Teachers, Teaching Methods, Relevance of the Syllabus, Non-teaching staff, Extension Programs, Infrastructure, Extra-curricular and Co-Curricular activities and overall experience in the College. The feedback obtained is analysed and presented</p> |



before the Academic Council/Management for the quality enhancement of the institution.

- Teachers – Teacher's feedback on curricular aspects is collected at the end of every semester. The suggestion is discussed in the Department meeting and placed before the Board of studies to enrich the curriculum.
- Employers – The Placement Cell collects the feedback from the employers/recruiters who visit our college. The feedback is collected to analyse the performance level of the student in the interview. The employer gives feedback on the knowledge of the student in his domain, quantitative aptitude, communicative skill, participative nature, skill-sets and adoption to new environment after recruitment. The employers also give feedback on the hospitality, infrastructure and overall experience. The feedback collected is analysed and presented before the IQAC/Academic Council to ensure quality measures.
- Subject Experts – The feedback is collected from the subject experts on course content and designing of curriculum. The IQAC sends a copy of the syllabus through mail to the subject experts before the conduct of AAC meeting. The subject experts provide valuable suggestion at the time of Meeting.
- Alumni – The feedback is collected on the day of alumni association, through mail. The feedback questions cover on curricular aspects, quality of teaching, campus, infrastructure, alumni association and overall rating of the College. The feedback is analyzed by the IQAC and presented before the Management/Governing Body for further action.
- Parent – The feedback is collected from the parent on PTA meeting. The parent discusses on various aspects like quality of teaching, infrastructure facility, discipline of the student, and regularity of the student, involvement of the student in extra-curricular activity and overall rating of the College. The feedback is analyzed by the Department.

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

#### 2.1.1 – Demand Ratio during the year

| Name of the Programme     | Programme Specialization                   | Number of seats available | Number of Application received | Students Enrolled |
|---------------------------|--|---------------------------|--------------------------------|-------------------|
| MBA                       | MASTERS IN BUSINESS ADMINISTRATION         | 120                       | 98                             | 73                |
| Mtech                     | THERMAL ENGINEERING                        | 24                        | 36                             | 24                |
| BTech                     | COMPUTER SCIENCE AND ENGINEERING           | 120                       | 96                             | 85                |
| BTech                     | MECHANICAL ENGINEERING                     | 60                        | 18                             | 15                |
| BTech                     | ELECTRICAL AND ELECTRONICS ENGINEERING     | 60                        | 48                             | 38                |
| BTech                     | CIVIL ENGINEERING                          | 120                       | 86                             | 76                |
| BTech                     | ELECTRONICS AND COMMUNICATIONS ENGINEERING | 180                       | 120                            | 94                |
| <a href="#">View File</a> |  |                           |                                |                   |

## 2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|------|---|---|---|---|--|
| 2017 | 916   | 175   | 195   | 55  | 250  |

## 2.3 – Teaching - Learning Process

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

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e-Resources) | ICT Tools and resources available | Number of ICT enabled Classrooms | Number of smart classrooms | E-resources and techniques used |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 250                        | 241   | 10                                | 45                               | 17                         | 10                              |

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

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

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

MTP (Mentoring ,Training ,placement) is an innovative and novel program designed to train all the students from the beginning to equip with strong academic knowledge and aggressively exploit opportunities available with Indian and Global Corporate. This program enables every student to become proactive in defining their own requirements for training. MTP is an integrated intervention of 'Career Vision Approach' and MTP aims to take positive action through its three areas of activity: • Mentoring by a faculty member • Training by Professional Trainers • Placement through Campus interviews. In this program, students are encouraged to take initiative to interact regularly with their mentors. During the weekly mentoring schedules, the student's performance is monitored through MTP record wherein the activities of the student are updated regularly. The student's strengths and weaknesses are identified by the mentor and are trained in the right direction to overcome weaknesses and further strengthen the positive attributes to groom him/her into a complete individual. This is consciously done with the specific aim to prepare the student to face challenges in this competitive world and to achieve personal and professional goals through placement. MTP book is much beyond a record of activities. It is a mirror of the student and his work in the Engineering Student life. Mentoring: 1. A faculty mentor is the first point of contact for the student part of the Induction Programme. During this, the mentors get introduced to their batch of mentees and initiate them into the academic environment. 2. The mentors assist mentees in filing up the Student Master Information Form in the MTP record. 3. The mentors organize and guide them on a tour to familiarize them with the various central and departmental facilities. 4. Facilitate interaction by scheduling unique matrixing session with the senior students 5. Conduct stimulating talks by eminent persons from the academia and industry. The mentor monitors the updating of the academic and attendance details and any other information regarding activities, in the MTP record every fortnight. • Provide timely counseling and advice to mentee in all aspects namely, Academics, CCA, ECA etc.. • Communicate the issues with the HOD for corrective measures if any. • If needed, a communication is sent to the parents regarding the status of the student. Mentoring Framework Mentoring Book: The mentoring activities are coordinated by the Mentoring coordinator. The mentors are faculty members appointed by the HOD'S from the respective departments. Each mentor is attached to a group of 13 to 15 students. The mentors are trained to handle Behavioral aspects, Academic issues, Career Guidance etc.. The students are attached to the same mentor until they complete their course at the institute. Mentors are available to support the mentees even after the working hours and on all exigencies. The mentoring coordinator will meet the mentors twice each semester to discuss the schedules and follow up action and record in MTP Book. Relationship Management Centre with a Certified Personal counselor is available in the institute for special counseling sessions .

|  |                             |                       |
|--|-----------------------------|-----------------------|
| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|--|-----------------------------|-----------------------|

|      |     |     |
|------|-----|-----|
| 1091 | 250 | 1:4 |
|------|-----|-----|

## 2.4 – Teacher Profile and Quality

### 2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|-----------------------------|-------------------------|------------------|--|--------------------------|
| 250                         | 250                     | 0                | 16                                       | 33                       |

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

| Year of Award                      | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|------------------------------------|---|-------------|--|
| No Data Entered/Not Applicable !!! |   |             |  |
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## 2.5 – Evaluation Process and Reforms

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

| Programme Name            | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|---------------------------|----------------|----------------|--|---|
| BTech                     | 1A             | I/I            | 16/12/2017   | 19/01/2018  |
| BTech                     | 1A             | II/I           | 12/12/2017   | 25/02/2018  |
| BTech                     | 1A             | I/II           | 07/07/2018   | 01/09/2018  |
| BTech                     | 1A             | II/II          | 07/05/2018   | 14/08/2018  |
| BTech                     | 1A             | III/I          | 12/12/2017   | 29/01/2018  |
| BTech                     | 1A             | III/II         | 07/05/2018   | 16/08/2018  |
| BTech                     | 1A             | IV/I           | 12/12/2017   | 29/01/2018  |
| BTech                     | 1A             | IV/II          | 07/05/2018   | 14/07/2018  |
| Mtech                     | 1D             | I/I            | 20/01/2018   | 02/06/2018  |
| Mtech                     | 1D             | II/I           | 13/07/2018   | 02/08/2018  |
| <a href="#">View File</a> |                |                |  |   |

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

Siddhartha Institute of Technology Sciences College is affiliated to the JNTU Hyderabad, and have adopted methods of assessing the student academic performance on continuous basis. Rules and regulations are followed in tune with the affiliating University norms so as to conduct the Continuous Internal Evaluation bringing larger transparency. Continuous assessment in theory subjects: As per the JNTUH regulations, 25 marks are allotted for internal assessment examinations and end semester external examinations are conducted for 75 marks. In this frame work, the college conducts Mid examinations in the specified pattern consisting of Objective Questions and Descriptive questions for all the theory subjects. The Objective Question Paper (10 marks) are split with Multiple choice and fill in the blank type questions. Descriptive type Question Paper (10 marks) is set by internal faculty members. Assignments are given to the students carry weightage of 5 marks. The internal marks are awarded

by taking the marks from mid examinations and assignments. Continuous assessment in practical subjects: For laboratory courses, continuous evaluation process is being followed during the semester for 25 marks which is regarded as internal marks and 75 marks are allotted for end semester external examination. In the 25 marks for internal, 15 marks are awarded for daytoday evaluation, to assess student performance which includes regularity, Observation book submission, procedure, calculations and graphs in terms of result, viva and promptness in submission of records in the laboratory and 10 marks for conduct of Internal lab examination. • Recently, the university has adopted major reform in evaluation by introducing Choice Based Credit System (CBCS) and Credit Based Semester System (CBSS) which the institute has also adopted. The Major reforms in Continuous Internal Evaluation implemented by INSTITUTION are as below • Outcome Based Education (OBE) is a studentcentric learning model, that focuses on measuring student performance through learning outcomes and parameters like CO's, PO's, PSO's and PEO's and the Graduate Attributes defined by the Naac . The Mechanisms for Evaluation Systems based on OBE are 1. Blooms Taxonomy is followed while setting the internal examination question papers. 2. The prepared questions are mentioned with course outcomes. 3. Questions are uniformly distributed across the syllabi (course description), 4. Rubrics are drafted and used in Theory, Laboratory, Assignments, Seminars, Mini Projects Major Projects. 5. Formation of Course Outcomes for all theory and laboratories are made by using action verbs of Bloom's Taxonomy and mapped to the Program Outcomes and Program Specific Outcomes. The evaluation is made for the attainment of vision and mission statements of the institute. 6. The attainment of Course Outcomes is evaluated with Continuous Internal Evaluation and University end Examinations.

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

The College Academic committee consisting of Principal, Deans and HOD's and senior faculty members prepare the academic calendar in line with JNTUH academic calendar well in advance before the commencement of the class works. The calendar outlines the semester class works schedules, Assignment submission deadlines, internal examination schedules and external examination schedules. University Academic Calendar: The University officially publishes Academic Calendar for their affiliated institutions for planning and conduct of class works. The Academic Calendar Consists of Commencement Last date for spell of Instructions, Mid Exam Schedules with submission of Marks to the University, Assignment deadlines, Practical Exam Schedule, End semester Supplementary Exam dates for the forthcoming semester with Holidays. College Academic Calendar: The Institute prepares the academic calendar in line with the University Academic calendar consisting of all academic events including co curricular and extracurricular activities. The head of the department finalizes the course allocation for the faculty members based on their choice and area of interest or expertise. For the Conduct of Academics, each year is being divided into two semesters of 16 weeks ( Each semester having 90 instructional days plus 6 days for mid exams or total 16 weeks for conduct of Instructions including mid exams) and 3 weeks for conduct of end semester examinations. After completion of 45 Instructional days The Mid1 Examinations are conducted and after completion of 90 working days the Mid2 are conducted as per given schedule. For the Preparation and Conduct of Practical examination 1 Week time is given as per schedule. For the Conduct of End Semester Supplementary examination 3 Weeks' time are given as per schedule.

### 2.6 – Student Performance and Learning Outcomes

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

## 2.6.2 – Pass percentage of students

| Programme Code            | Programme Name | Programme Specialization | Number of students appeared in the final year examination | Number of students passed in final year examination | Pass Percentage |
|---------------------------|----------------|--------------------------|---|---|-----------------|
| 1E                        | MBA            | MBA                      | 39  | 31  | 79              |
| 1D                        | Mtech          | CSE                      | 17  | 14  | 82              |
| 1D                        | Mtech          | VLSI                     | 21  | 17  | 85              |
| 1A                        | BTech          | BTECH                    | 105   | 89  | 84              |
| <a href="#">View File</a> |                |                          |   |   |                 |

## 2.7 – Student Satisfaction Survey

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

[https://docs.google.com/forms/d/e/1FAIpQLSd-itZ-zMbYrc\\_dsG6gxGVlIXOfCw9J9sZOiv53ptTMBM5rZA/formResponse](https://docs.google.com/forms/d/e/1FAIpQLSd-itZ-zMbYrc_dsG6gxGVlIXOfCw9J9sZOiv53ptTMBM5rZA/formResponse)

## CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 – Resource Mobilization for Research

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

| Nature of the Project       | Duration | Name of the funding agency                     | Total grant sanctioned | Amount received during the year |
|-----------------------------|----------|--|------------------------|---------------------------------|
| Industry sponsored Projects | 720      | MSR EduSoft Pvt. Ltd. Kurnool, Andhra Pradesh. | 350000                 | 310000                          |
| Industry sponsored Projects | 720      | SAK Informatics, Hyderabad.                    | 300000                 | 270000                          |
| <a href="#">View File</a>   |          |  |                        |                                 |

### 3.2 – Innovation Ecosystem

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

| Title of workshop/seminar  | Name of the Dept. | Date       |
|--|-------------------|------------|
| Three day workshop on applications of AI ML                      | CSE               | 03/05/2018 |
| Five day workshop on CS studio Hands on Experience               | CSE               | 04/12/2017 |
| Five day workshop on Hands on Digital Design using Arduino Board | ECE               | 05/07/2017 |
| Seminar on Product design using Autodesk Inventors               | CIVIL             | 13/11/2017 |
| Seminar on Composite   | CIVIL             | 18/12/2017 |

|   |     |            |
|---|-----|------------|
| materials and their applications                        |     |            |
| Workshop on Research Proposal Writing                   | ECE | 28/07/2017 |
| Awareness Workshop on Various Research Funding Agencies | ECE | 23/12/2017 |
| Smart India Hackathon-Software Edition 2018             | CSE | 30/03/2018 |

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

| Title of the innovation | Name of Awardee | Awarding Agency | Date of award | Category |
|-------------------------|-----------------|-----------------|---------------|----------|
| 0                       | 0               | 0               | Nil           | 0        |
| No file uploaded.       |                 |                 |               |          |

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

| Incubation Center         | Name   | Sponsored By | Name of the Start-up | Nature of Start-up | Date of Commencement |
|---------------------------|--------|--------------|----------------------|--------------------|----------------------|
| SITS Incubation           | AI-Lab | SITS         | STUDENT'S STACK      | AI Web Solutions   | 21/09/2017           |
| <a href="#">View File</a> |        |              |                      |                    |                      |

## 3.3 – Research Publications and Awards

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

| State | National | International |
|-------|----------|---------------|
| 2     | 2        |               |

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

| Name of the Department                     | Number of PhD's Awarded |
|--|-------------------------|
| ELECTRONICS AND COMMUNICATIONS ENGINEERING | 2                       |
| CIVIL ENGINEERING                          | 1                       |
| ELECTRICAL AND ELECTRONICS ENGINEERING     | 1                       |
| MECHANICAL ENGINEERING                     | 1                       |
| COMPUTER SCIENCE AND ENGINEERING           | 2                       |

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

| Type     | Department                                 | Number of Publication | Average Impact Factor (if any) |
|----------|--|-----------------------|--------------------------------|
| National | ELECTRONICS AND COMMUNICATIONS ENGINEERING | 43                    | 2.05                           |
| National | CIVIL ENGINEERING                          | 30                    | 2.24                           |
| National | ELECTRICAL AND ELECTRONICS ENGINEERING     | 17                    | 3.12                           |
| National | MECHANICAL ENGINEERING                     | 25                    | 3.45                           |

|                           |                                     |    |      |
|---------------------------|-------------------------------------|----|------|
| National                  | COMPUTER SCIENCE<br>AND ENGINEERING | 38 | 3.45 |
| National                  | MBA                                 | 14 | 2.05 |
| <a href="#">View File</a> |                                     |    |      |

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

| Department                                | Number of Publication |
|---|-----------------------|
| MBA                                       | 10                    |
| ECE                                       | 24                    |
| Civil Engineering                         | 25                    |
| Electrical and Electronics<br>Engineering | 24                    |
| Computer Science and Engineering          | 40                    |
| Mechanical Engineering                    | 21                    |
| <a href="#">View File</a>                 |                       |

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

| Title of the Paper   | Name of Author | Title of journal  | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
|--|----------------|---|---------------------|----------------|---|---|
| MOBILE ADHOC NETWORKS CACHING MECHANISMS : A SURVEY                                | BIJILI. GEETHA | International Journal for Innovative Engineering and Management Research (IJIEMR) | 2018                | Nill           | Nill  | Nill  |
| INVERTER WITH GRID CONNECTED VOLTAGE SOURCE FOR POWER QUALITY IMPROVEMENT FEATURES | S KUMAR        | International Journal for Innovative Engineering and Management Research (IJIEMR) | 2017                | Nill           | Nill  | Nill  |
| DISTRIBUTION NETWORK BASED PV SOLAR FARM AS STATCOM                                | B MOUNIKA      | International Journal for Innovative Engineering and Management Research          | 2017                | Nill           | Nill  | Nill  |



|  |                   |   |      |      |      |      |
|--|-------------------|---|------|------|------|------|
|  |                   | (IJIEMR)  |      |      |      |      |
| 5G WIRELESS NETWORKS - A SURVEY PAPER  | G.Ramesh          | International Journal for Innovative Engineering and Management Research (IJIEMR) | 2017 | Nill | Nill | Nill |
| PERFORMANCE MEASUREMENT OF WAVELET TRANSFORM IN SECURITY SURVEILLANCE                                | CH. LAXMAN        | International Journal for Innovative Engineering and Management Research (IJIEMR) | 2017 | Nill | Nill | Nill |
| ADAPTIVE POWER CONTROL FACTOR AND EFFICIENCY OF FLYBACK CONVERTER FOR ACTIVE CLAMP SYSTEM            | N MADHUKAR REDDY  | International Journal for Innovative Engineering and Management Research (IJIEMR) | 2018 | Nill | Nill | Nill |
| Alpha Triangular Fuzzy Matrix and its Application  | ASHOK.VA NGARI    | INTERNATIONAL JOURNAL FOR RESEARCH DEVELOPMENT IN TECHNOLOGY (IJRDT)              | 2018 | Nill | Nill | Nill |
| Effect of Size and Shape on Static Refractive Index, Dielectric constant and Band gap of Nano solids | PALEPU RAJENDAR   | INTERNATIONAL JOURNAL FOR RESEARCH DEVELOPMENT IN TECHNOLOGY (IJRDT)              | 2018 | Nill | Nill | Nill |
| POWER FILTER BASED PREDICTIVE  | DR B ADI NARAYANA | International Journal for   | 2018 | Nill | Nill | Nill |



|  |          |   |      |     |     |     |
|--|----------|---|------|-----|-----|-----|
| CONTROL SCHEME FOR RES WITH A FOUR-LEG VOLTAGE SOURCE INVERTER                         |          | Innovative Engineering and Management Research (IJIEMR)                           |      |     |     |     |
| DC - DC CONVERTER FOR SIMULTANEOUS POWER MANAGEMENT OF HYBRID RENEWABLE ENERGY SOURCES | P PAVANI | International Journal for Innovative Engineering and Management Research (IJIEMR) | 2018 | Nil | Nil | Nil |
| <a href="#">View File</a>  |          |   |      |     |     |     |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
|--------------------|----------------|------------------|---------------------|---------|---|---|
| 0                  | 0              | 0                | Nil                 | 0       | 0   | 0   |
| No file uploaded.  |                |                  |                     |         |   |   |

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

| Number of Faculty           | International | National | State | Local |
|-----------------------------|---------------|----------|-------|-------|
| Attended/Seminars/Workshops | 0             | 50       | 54    | 51    |
| <a href="#">View File</a>   |               |          |       |       |

## 3.4 – Extension Activities

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

| Title of the activities             | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
|-------------------------------------|--|--|--|
| Awareness on HIV                    | AV Hospitals                                 | 15   | 58   |
| NSS Orientation day                 | NSS UNIT SITS Hyderabad                      | 20   | 100  |
| Orphanage home visit                | NSS UNIT SITS Hyderabad                      | 11   | 30   |
| Literacy awareness program          | NSS UNIT SITS Hyderabad                      | 20   | 50   |
| 5k run for cancer awareness program | AV Hospitals                                 | 15   | 66   |
| Swachh bharat abhiyan               | SK foundation                                | 15   | 88   |
| Fund raising for                    | NSS UNIT, SITS                               | 20   | 55   |

|                                    |                          |    |    |
|------------------------------------|--------------------------|----|----|
| kerala floods                      | Hyderabad                |    |    |
| Haritha haram at Korremula Village | NSS UNIT, SITS Hyderabad | 22 | 48 |
| Swachh Bharat campaign             | SK foundation            | 15 | 55 |
| Cancer Awareness program           | AV Hospitals             | 25 | 52 |
| <a href="#">View File</a>          |                          |    |    |

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

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|----------------------|-------------------|-----------------|------------------------------|
| 0                    | 0                 | 0               | 0                            |
| No file uploaded.    |                   |                 |                              |

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

| Name of the scheme               | Organising unit/Agency/collaborating agency | Name of the activity  | Number of teachers participated in such activities | Number of students participated in such activities |
|----------------------------------|---|---|--|--|
| Nss Special Camp                 | Nss Unit SITS Hyderabad                     | Haritha Haram @ Yellampet Village                               | 5  | 158  |
| Nss Special Camp                 | Nss Unit SITS Hyderabad                     | Orphanage Home Visit  | 2  | 151  |
| Nss Special Camp                 | Nss Unit SITS Hyderabad                     | Mass Cleaning Of Hussain Sagar                                  | 2  | 130  |
| Women Empowerment Cell           | Women Empowerment Cell SITS Hyderabad       | Awareness Program On Crime Against Women And Children(NIRBHAYA) | 5  | 152  |
| Nss Special Camp                 | Nss Unit SITS Hyderabad                     | Swine Flu Awareness Program                                     | 4  | 230  |
| Nss Special CampNss Special Camp | Nss Unit SITS Hyderabad                     | Child Labor Awareness Program                                   | 4  | 150  |
| Nss Special Camp                 | Nss Unit SITS Hyderabad                     | Awareness program on Digital Economy                            | 10   | 120  |
| Women Empowerment Cell           | Women Empowerment Cell SITS Hyderabad       | Program on women safetyProgram on women safety                  | 20   | 98   |
| <a href="#">View File</a>        |   |   |  |  |

### 3.5 – Collaborations

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

| Nature of activity        | Participant  | Source of financial support | Duration |
|---------------------------|--|-----------------------------|----------|
| Guest Lecture             | Dr. Srinivas Reddy , Dept of Mechanical Engineering      | SITS                        | 2018     |
| Student Exchange          | 5 students from Mechanical Engineering                   | SITS                        | 2018     |
| Guest Lecture             | Dr. Sridhar Reddy , Dept of Computer Science Engineering | SITS                        | 2018     |
| Student Excjhange         | 5 students from Computer Science Engineering             | SITS                        | 2018     |
| Guest Lecture             | Dr. Satitish , Dept of Computer Science Engineering      | SITS                        | 2018     |
| <a href="#">View File</a> |  |                             |          |

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

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|-------------------|----------------------|---|---------------|-------------|-------------|
| College Industry  | INTERNSHIP           | suryatech solutions   | 25/07/2017    | 20/08/2017  | 23          |
| College Industry  | INTERNSHIP           | V pro solar systems   | 15/07/2017    | 12/08/2017  | 30          |
| College Industry  | INTERNSHIP           | key group networking  | 15/09/2017    | 11/10/2017  | 31          |
| College Industry  | INTERNSHIP           | Team Engineers Advance Technology (I) Pvt. Ltd.ABHI ARCHITECH                   | 09/09/2017    | 06/10/2017  | 30          |
| College Industry  | INTERNSHIP           | Zoom networking   | 01/10/2017    | 27/10/2017  | 29          |
| College Industry  | INTERNSHIP           | R.K.TRANSFORMERS  | 25/07/2017    | 21/08/2017  | 13          |
| College Industry  | INTERNSHIP           | Siri power systems  | 15/09/2017    | 11/10/2017  | 20          |
| College Industry  | INTERNSHIP           | Whitecap solar  | 09/09/2017    | 06/10/2019  | 22          |
| College           | INTERNSHIP           | S.V.POLY  | 25/07/2017    | 21/08/2017  | 15          |

|                           |            |                       |            |            |    |
|---------------------------|------------|-----------------------|------------|------------|----|
| Industry                  |            | PHASE<br>SYSTEMS      |            |            |    |
| College<br>Industry       | INTERNSHIP | Qubic<br>technologies | 15/07/2017 | 11/10/2017 | 25 |
| <a href="#">View File</a> |            |                       |            |            |    |

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

| Organisation                   | Date of MoU signed | Purpose/Activities          | Number of students/teachers participated under MoUs |
|--------------------------------|--------------------|-----------------------------|---|
| SAK INFORMATICS                | 04/07/2017         | Projects, Internships       | 75  |
| SRS Technologies               | 11/07/2017         | Projects, Internships       | 68  |
| MSR EduSoft Pvt. ltd.          | 25/07/2017         | Projects, Internships       | 74  |
| SLC Services                   | 28/05/2017         | Mini Projects               | 75  |
| Tirumala Constructions         | 24/09/2017         | Industrial Visits, Workshop | 58  |
| MSR Projects                   | 20/10/2017         | Projects, Internships       | 68  |
| Knowledge Discovery Solutions  | 01/11/2017         | projects , Internship       | 40  |
| Spark Software Solutions       | 12/09/2017         | projects , Internship       | 50  |
| sai vignesh software Solutions | 01/10/2018         | projects , Internship       | 52  |
| <a href="#">View File</a>      |                    |                             |   |

#### CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

##### 4.1 – Physical Facilities

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

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|--|--|
| 758  | 701  |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities   | Existing or Newly Added |
|--|-------------------------|
| Classrooms with LCD facilities                                   | Existing                |
| Seminar halls with ICT facilities                                | Existing                |
| Classrooms with Wi-Fi OR LAN                                     | Existing                |
| Value of the equipment purchased during the year (rs. in lakhs)  | Newly Added             |
| Classrooms with LCD facilities                                   | Newly Added             |
| Seminar halls with ICT facilities                                | Newly Added             |
| Number of important equipments purchased (Greater than 1-0 lakh) | Newly Added             |

during the current year

[View File](#)

## 4.2 – Library as a Learning Resource

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

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---------------------------|--|---------|--------------------|
| KOHA                      | Fully                                    | 17.11   | 2013               |

4.2.2 – Library Services

| Library Service Type | Existing |         | Newly Added |        | Total |         |
|----------------------|----------|---------|-------------|--------|-------|---------|
| Text Books           | 22667    | 6105060 | 2271        | 712107 | 24938 | 6817167 |
| Reference Books      | 3624     | 1268400 | 235         | 82250  | 3859  | 1350650 |
| e-Books              | 600      | 120000  | 100         | 35000  | 700   | 155000  |
| Journals             | 646      | 618779  | 95          | 181220 | 741   | 799999  |
| e-Journals           | 1854     | 1593405 | 371         | 134791 | 2225  | 1728196 |
| Digital Database     | 2        | 68170   | 2           | 14770  | 4     | 82940   |
| CD & Video           | 2109     | 25000   | 96          | 5000   | 2205  | 30000   |
| Library Automation   | 1        | 30760   | 1           | 10500  | 2     | 41260   |

[View File](#)

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

| Name of the Teacher | Name of the Module              | Platform on which module is developed | Date of launching e-content |
|---------------------|---------------------------------|---------------------------------------|-----------------------------|
| Dr.COL.LATEEF KHAN  | You-Tube                        | You-Tube                              | 07/06/2018                  |
| Dr.MADHUSUDAN RAO P | LMS(Learning Management System) | Animaker                              | 26/01/2018                  |
| Dr.M RAMESH BABU    | Soft Computing content          | Webnode                               | 02/07/2017                  |
| Mr v Ashok          | Academic Course Content         | MOODLE and Vmedulife                  | 01/01/2017                  |

[View File](#)

## 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Co mputers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departme nts | Available Bandwidt h (MBPS/ | Others |
|------|------------------|--------------|----------|------------------|------------------|--------|--------------|-----------------------------|--------|
|------|------------------|--------------|----------|------------------|------------------|--------|--------------|-----------------------------|--------|

|          |     |     |    |     |    |    |    |       |    |
|----------|-----|-----|----|-----|----|----|----|-------|----|
|          |     |     |    |     |    |    |    | GBPS) |    |
| Existing | 720 | 410 | 60 | 120 | 60 | 40 | 30 | 64    | 50 |
| Added    | 100 | 30  | 10 | 20  | 20 | 10 | 10 | 36    | 0  |
| Total    | 820 | 440 | 70 | 140 | 80 | 50 | 40 | 100   | 50 |

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

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

#### 4.3.3 – Facility for e-content

| Name of the e-content development facility   | Provide the link of the videos and media centre and recording facility |
|--|--|
| Seminar Hall, Board Room, Auditorium, Training and Placement office , Two Advance English Language communications skills Laboratories, Multimedia Laboratory, Oral communications Skills Laboratory, Seminar Hall, | <a href="http://siddhartha.co.in/">http://siddhartha.co.in/</a>        |

### 4.4 – Maintenance of Campus Infrastructure

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

| Assigned Budget on academic facilities | Expenditure incurred on maintenance of academic facilities | Assigned budget on physical facilities | Expenditure incurred on maintenance of physical facilities |
|--|--|--|--|
| 321                                    | 304  | 198                                    | 186  |

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

**Policies of Academic and Support Facilities: Utilization and Maintenance of Class Rooms:** 1. Classrooms are allotted as per the student strength. 2. Concern departments are given responsibility for the maintenance of their classrooms. 3. Department head informs the Administrative officer regarding Maintenance and requirement of repairs / cleanliness. **Utilization and Maintenance Laboratories:** 1. Laboratories are allotted for classes based on a timetable. 2. Standard operational procedures for handling various chemical, equipments and instruments are strictly followed 3. Stock registers are maintained and updated regularly. 4. Stock verification and inspection has to be carried out by the Departments at the end of the Academic Year. 5. Old and outdated equipment, chemicals and instruments are discarded by standard procedure. **Utilization and Maintenance Computer Laboratory:** 1. The computer laboratories are allotted to the students of U.G and P.G as per their curriculum requirement of JNTUH. Respective Heads of the departments prepare the schedules for allocating the computer labs to the students as per the timetables. 2. The maintenance of computer laboratories are taken care by laboratory in charges and the system administrators, who takes care of the repairs and maintenance of all computers. 3. Additional requirements, if needed are processed through Governing body as per the proposal raised by the concern Head of departments during budget proposal. 4. All computers related software updates and hardware updates are maintained within the campus by the system admin. **Utilization and Maintenance Sports Complex:** 1. During sports hour and after college hour, sport equipments are made available for students on request. 2. Quality of sports equipments are checked daily and actions are taken on damaged/replaced equipments through

physical director and principal. 3. Students receive all kind of sports activities from outside and inside college campus through physical director.

**Utilization and Maintenance of Library:** 1. The book list requirements are received from the concern department as per their curriculum regulation change and as per the variation of intake. Based upon the requirements the HoD discuss and decides the number of books as per syllabus and sends this information to the librarian. 2. The librarian discusses the book requirements to the principal and purchase new books to the library. 3. The librarian sends the information about new books to the students via faculty. The faculties have received the new book alert information through their mail. 4. Periodically, conditions of all the library books are monitored and old books are maintained by binding the books if any needed. 5. During annual maintenance if any books are found missing through students / faculty they are fined the cost of book. ?

**Policy for Physical Infrastructure:** 1. Administrative officer prepares the routine and preventive maintenance schedule for all physical infrastructures and allocate duties to the respective staff. 2. The maintenance schedules are executed with the support of both internal and external agencies. 3. The consolidated report of the yearly maintenance is recorded by Administrative officer for future reference.

<http://siddhartha.co.in/>

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

#### 5.1.1 – Scholarships and Financial Support

|                                      | Name/Title of the scheme | Number of students | Amount in Rupees |
|--------------------------------------|--------------------------|--------------------|------------------|
| Financial Support from institution   | Fee Wavier               | 195                | 182000           |
| Financial Support from Other Sources |                          |                    |                  |
| a) National                          | ePASS TS SCHOLARSHIP     | 747                | 34691000         |
| b) International                     | 0                        | 0                  | 0                |

[View File](#)

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

| Name of the capability enhancement scheme                        | Date of implemetation | Number of students enrolled | Agencies involved                               |
|--|-----------------------|-----------------------------|---|
| Language and Communication Skills-Interview Skills               | 02/01/2018            | 214                         | Dr Chaitanya , Learning Tree Pvt Ltd ,Hyderabad |
| Language and Communication Skills-Group Discussion               | 18/12/2017            | 206                         | Dr Chaitanya , Learning Tree Pvt Ltd ,Hyderabad |
| Language and Communication Skills-Developing Presentation skills | 28/01/2018            | 222                         | Dr Chaitanya , Learning Tree Pvt Ltd ,Hyderabad |
| Language and Communication                                       | 29/01/2018            | 198                         | Dr Chaitanya , Learning Tree Pvt                |

|   |            |     |   |
|---|------------|-----|---|
| Skills-Resume Writing   |            |     | Ltd ,Hyderabad                                  |
| Language and Communication Skills-Technical Report Writing(PPT)                             | 19/02/2018 | 202 | Dr Chaitanya , Learning Tree Pvt Ltd ,Hyderabad |
| Soft Skills-CRT Training to III-B TECH -CSE/ ECE/EEE Students from 26-12-2017 TO 04-01-2018 | 26/12/2017 | 156 | Sten Corniche Education Services,Bangalore      |
| Soft Skills-CRT Training for II MBA Students  | 17/08/2017 | 110 | Sten Corniche Education Services,Bangalore      |
| Soft Skills-CRT Phase-II Training to III-B TECH -CSE/ECE/EEE Students                       | 14/05/2018 | 212 | Sten Corniche Education Services,Bangalore      |
| Soft Skills-CRT Phase-I Training to IV-B TECH - CE Students                                 | 14/05/2018 | 133 | Sten Corniche Education Services,Bangalore      |
| Life Skills-Health and Hygiene-Awareness program on Fits                                    | 19/03/2018 | 65  | Ms .Suchita Joshi Msc                           |

[View File](#)

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

| Year | Name of the scheme   | Number of benefited students for competitive examination | Number of benefited students by career counseling activities | Number of students who have passed in the comp. exam | Number of students placed |
|------|--|--|--|--|---------------------------|
| 2018 | Assessment, Career Suitability Report followed by Career Counselling conducted by Cocubes - Pre-Assess test for IV Year Students | Nil  | 51   | Nil  | 38                        |
| 2017 | CRT - Campus   | 36   | Nil  | 25   | Nil                       |



|      |  |      |      |      |      |
|------|--|------|------|------|------|
|      | recruit training   |      |      |      |      |
| 2017 | Guidance for Competitive examination   | 100  | Nill | 20   | Nill |
| 2018 | GATE   | 52   | Nill | 52   | Nill |
| 2018 | GRE  | 29   | Nill | 29   | Nill |
| 2018 | TOFEL  | 33   | Nill | 33   | Nill |
| 2018 | Placement Eligibility Test-1 by First Naukri. For Pre final year students.                         | Nill | 62   | Nill | 56   |
| 2018 | Assessment, Career Suitability Report followed by Career Counselling conducted by Aspiring Minds   | Nill | 28   | Nill | 25   |
| 2018 | Assessment, Career Suitability Report followed by Career Counselling conducted by Cocubes phase -1 | Nill | 35   | Nill | 25   |

[View File](#)

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

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---------------------------|--------------------------------|---|
| 1                         | 1                              | 1   |

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus                     |                                 |                           | Off campus                    |                                 |                           |
|-------------------------------|---------------------------------|---------------------------|-------------------------------|---------------------------------|---------------------------|
| Name of organizations visited | Number of students participated | Number of students placed | Name of organizations visited | Number of students participated | Number of students placed |

|                           |     |     |   |    |    |
|---------------------------|-----|-----|---|----|----|
| 14                        | 183 | 146 | 2 | 54 | 29 |
| <a href="#">View File</a> |     |     |   |    |    |

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

| Year                      | Number of students enrolling into higher education | Programme graduated from | Depratment graduated from | Name of institution joined | Name of programme admitted to |
|---------------------------|--|--------------------------|---------------------------|----------------------------|-------------------------------|
| 2018                      | 4  | B.TECH                   | CSE                       | SAMSKRUTI ENGINEERING      | M.TECH                        |
| 2017                      | 2  | B.TECH                   | ECE                       | JBIT                       | M.TECH                        |
| 2017                      | 3  | B.TECH                   | CSE                       | HITS                       | M.TECH                        |
| 2017                      | 1  | B.TECH                   | ECE                       | GIET                       | M.TECH                        |
| <a href="#">View File</a> |  |                          |                           |                            |                               |

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

| Items                     | Number of students selected/ qualifying |
|---------------------------|---|
| GATE                      | 3                                       |
| GRE                       | 22                                      |
| TOFEL                     | 14                                      |
| Any Other                 | 35                                      |
| Any Other                 | 2                                       |
| <a href="#">View File</a> |   |

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

| Activity                  | Level         | Number of Participants |
|---------------------------|---------------|------------------------|
| FRESHERS DAY              | COLLEGE LEVEL | 221                    |
| TEACHERS DAY              | COLLEGE LEVEL | 124                    |
| ANNUAL DAY                | COLLEGE LEVEL | 620                    |
| WOMENS DAY                | COLLEGE LEVEL | 154                    |
| INDEPENDECE DAY           | COLLEGE LEVEL | 320                    |
| SPORTS MEET               | COLLEGE LEVEL | 283                    |
| <a href="#">View File</a> |               |                        |

### 5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|------|-------------------------|------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| 2017 | KABADDI                 | National               | 1                           | Nill                          | Nill              | K.PAVAN             |
| 2017 | KABADDI                 | National               | 1                           | Nill                          | Nill              | A.PRAVEEN           |
| 2017 | KABADDI                 | National               | 1                           | Nill                          | Nill              | A.VINETH            |
| 2017 | KABADDI                 | National               | 1                           | Nill                          | Nill              | S.VAMSHI            |

|                           |         |          |   |      |      |                 |
|---------------------------|---------|----------|---|------|------|-----------------|
| 2017                      | KABADDI | National | 1 | Nill | Nill | A.ASHWITH       |
| 2017                      | KABADDI | National | 1 | Nill | Nill | B.SANJEEV       |
| 2017                      | KABADDI | National | 1 | Nill | Nill | G.BHARGAV       |
| 2017                      | CHESS   | National | 1 | Nill | Nill | D.SRIKANTH      |
| 2017                      | CARROM  | National | 1 | Nill | Nill | H.ANUDEEP       |
| 2017                      | KABADDI | National | 1 | Nill | Nill | D.PAVAN<br>TEJA |
| <a href="#">View File</a> |         |          |   |      |      |                 |

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

SITS has an active student council. Each class nominates two students from each section. They are called Class Representatives (CR). These class representatives choose some of them as student council members. Student council acts as bridge between management and faculty. Through this student council students are encouraged to participate in the organization of various events of the institution and develop their communication and organizational skills.

Students are encouraged to participate in institutional academic and administrative activities. This will help in building a sense of trust and understanding among the student community on the institutional functioning. The student representatives are chosen as members of various academic and administrative bodies. The various activities of student council and their representation in various committees are given below. Activities of the Student Council: Smooth Conduction of the Institute Annual Day every year. Conducting Fresher's day every year. Prevention of ragging in the campus through counseling and helping the administration whenever necessary. Organization of student technology workshops, club activities and professional society activities Celebration of Engineers Day, Mathematics Day, Teachers Day etc. Rendering help in organizing community service activities Organize the programs to improve cleanliness and greenery in the campus. Maintenance of the peace and harmony among campus community in General and student community in particular.

Suggesting the administration in the improvement of student amenities

Representation of students in the academic and administrative bodies:

AntiRagging and prevention of sexual harassment committee Grievance Redressal Committee Class Committee which consists of student faculty members Department Associations - Entrepreneurship Development Cell (EDC) National Service Scheme (NSS) Unit Cultural and sports committee Professional Society Activities Committee (ISTE//IETE/IEEE/SAE/CSI) Student Technology Clubs like SAE club, Robotics club and Coding club, Artificial intelligence club, Electronics club, Next Generation Communication and Networks club.

#### 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The college has an alumni association. The Alumni Association creates and maintains a lifelong connection between the Institute and its alumni. The Alumni Association works to connect alumni, support students and build an unforgettable Institute experience through a diversity of events, programming and services. Alumni Association is one of the easiest ways to reconnect, give

back to the Institute, and serve as a springboard for further involvement. Alumnae from various parts of the world enthusiastically participate in the meet. As of today 225 alumni have registered with this association. The alumni participate and contribute to the development of the institute in the following ways. Internal Quality Assurance Cell (IQAC): IQAC has a some members of the alumni. These members contribute to the improvement of teaching, learning processes. Promotion of the Intuition: To develop and help maintain active alumni interactions and enhance the image of the SITS College through self enrichment, career development and role modeling in the wider society. Alumni Feedback: Alumni gives valuable suggestions, or feedback to find out the curricular gaps in the university curriculum for the present requirement of industry needs. Guest lectures : The alumni are invited to deliver guest lectures and also as the resource persons for workshops and seminars on recent trends in technology. They also share their professional experience and motivate the students. Monetary Support : Meager but to their magnanimity, Alumni also contributes financially. Nonmonetary support: The alumnae actively participate as judges in various technical and nontechnical competitions organized at the institute. Alumni as support to conduct community service activities Alumni form an active network and help them to institution in getting internships, placements and industrial visits.

5.4.2 – No. of enrolled Alumni:

146

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

350000

5.4.4 – Meetings/activities organized by Alumni Association :

1

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

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

Department Academic Committee (DAC): In every department has Department Consultative Committee (DAC) which comprises of HOD as the chair person and 4 or 5 senior faculty members. DAC members regularly meet with the department faculties and takes necessary steps to formulate and implement strategic plans of the department. The role of the DAC is to review and approve industries or other identified organizations for industrial training, internship or project work for students. They also approve the MOOC courses that a student can undergo and initiate the credit transfer once the students complete the courses successfully. The committee identifies the courses offered by industry and ensures the conduct of those courses by the Industry expert. The committee approves the marks obtained after the evaluation done by the industry experts and are submitted to the Principal for credit transfer. Research and Development (RD): Every Department has a vision to widen the research and development activities in the field of emerging areas like nano-technology, robotics, automation, etc. In our institution, all the RD centers have been decentralized and monitored by the department heads or senior research heads. Our Institute's commitment to advanced research in the areas of science, engineering and technology has nurtured centers of excellence. Every department is encouraged to have at least one such centre.. These centre heads will present the progress of their research activities before the management once a fortnight. To encourage the faculty and students of SITS College to carry out consultancy projects and testing services for industry, the management provides

60:40 sharing in the net revenue of such projects. The centers focus primarily on applied research, product development, learning-resources development and training of industry personnel. All these centers have in place advanced equipment and current technology. There is a strong tendency towards interdisciplinary research, especially in the areas of nano-technology, robotics, automation, etc, that generates new ideas and promotes the development of innovative products and processes. Both the faculty and the students alike contribute to the research, development and innovation at SITS. The individual department research centers are monitored and controlled by the centre heads. The management gives full support in terms of finance and human resources to encourage application research proposals, publications, participation in conferences and workshops, etc. The Top Management gives ample freedom and flexibility to all the heads of the department lead all the Academic and Research and Development. Decentralization and Participative management: The institution has got a decentralized and transparent mechanism in management, administration, financial and academic affairs. This mechanism is delegating appropriate responsibilities from the top level management to low level and allows the top management to focus on policy making and major decisions. This witnesses that the institution has decentralization of administration through committees and has participative management. A democratic approach is setup in the decision-making process, by which all the stakeholders of the institution could participate in the managerial decisions.

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

Yes

## 6.2 – Strategy Development and Deployment

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

| Strategy Type              | Details   |
|----------------------------|---|
| Research and Development   | In order to promote Research and Development, the following were initiated. • Sensitization program is conducted to promote research and extension. • Research in various departments focusing and working towards research and extension. • Special Interest Groups in specific Domains to carry out a focused approach towards the developments in the respective areas. • Established Design Thinking Centre. • The centres of excellence focus primarily on applied research, product development, industrial training, development of multimedia resources and publication. The centres are equipped with advanced equipment and technology. • Faculties are primarily involved in research projects that are beneficial to the society. |
| Examination and Evaluation | Periodic Evaluation forms the backbone of entire teaching learning process Administration, Students, faculty members and parents are four important stakeholders of this process Academic section of which the  |

Examination branch is an integral part, is always in contact with JNTUH regarding rules and regulations of the evaluation process. Evaluation takes place at two levels: Internal and External. The general rules are published in the handbook of the Institute. Changes in the rules are informed to faculty members in the Departmental or central meetings or by circulars. Students are informed about the same by displays on notice board and website. SMS alerts are sent to parents through Vmedulife Software portal. The result of evaluations are made available on dashboard. Students can assess the information regarding their performance through login facility on Vmedulife Software. Training and Placement Cell keep the track of academic record of the students for placement assistance to them. Mentors are advised to use the information (performance of the student) available on Vmedulife Software while counseling the respective student. Salient features of this process are: Two phases of evaluation Internal and External. Distribution of marks 25 and 75. Assignments are evaluated as Internal evaluation. Mini and Major projects are also evaluated on Internal and External basis.

#### Teaching and Learning

Institute has developed well thought teaching learning process and twofold evaluation process: Preparation, Execution and assessment of Academic plan is the most striking feature of the teaching learning process adopted by the Institute. Faculty members prepare an academic plan (based on prescribed format) for their respective courses before commencement of the semester. They present these plans in presentation session and explain their strategy to deal with a course. Head of the Department and senior professors modify this plan if required. The plan contains course outcomes, mapping of the COs with POs and PSOs, add on content to bridge the curriculum gaps, lecture schedule and delivery plan, assignments and tutorial questions etc. Teachers are encouraged to use innovative methods for effective delivery of curriculum like creating their own blogs, creation of

interactive groups and virtual discussion forums. IQAC has developed a full proof mechanism to check the quality and time bound delivery of all academic activities in the Institute.

#### Curriculum Development

An effective and well structured mechanism exists in the institute to incorporate the necessary amendments in the curriculum to suit the dynamically changing industrial and societal needs. Being an affiliated to University, Institute has several restrictions in designing of curriculum. It has evolved an executive mechanism to address this issue and formed Department Advisory Committee (DAC) in each Department. To strengthen the teaching learning process for fulfillment of Program Outcomes of the respective Department is the main agenda of DAC meetings. DAC consists of Principal, HOD, Senior Professor and two experts from Industry and Academia.

#### Library, ICT and Physical Infrastructure / Instrumentation

All the Departments and all the computer labs are provided with internet facility. The college has 10 WiFi enabled zones. Each Department has an exclusive well equipped seminar hall and eclassroom. Library is having interactive portal through which students and faculty members can access any required information. Availability of teaching aids like OHP, LCD projectors, Internet enabled computer systems. Availability of computer software packages for analysis and experimental work of the projects of the students Faculty members prepare and upload the academic plan of their respective subject(s) on Vmedulife Software which can be accessed by students of the respective class Many faculty members' gives assignments and tutorials online to the students along with the list of the topics covered in that particular unit and also hints to solve problems

#### Human Resource Management

The institute has excellent strategies/ norms for Human resource Management. It ensures that

- Payroll is as per norms
- Time and Attendance are monitored on a daily basis
- Performance record is maintained
- Performance appraisal is conducted
- Faculty and Staff recruitment are always based on merit.
- Seminars / trainings are conducted to train the



|                                      |  |
|--------------------------------------|--|
|                                      | <p>newly recruited faculty • Micro-teaching workshops are conducted for the new faculty • Several internal workshops are held to train the faculty and staff to enable them to update their knowledge. • IQAC creates awareness among faculty regarding quality initiation.</p>  |
| Industry Interaction / Collaboration | <p>SITS industry-academia interaction enthuses the spirit of innovation in the budding engineers. • Signing of MOUs with industries for research projects, consultancy, placement, internship, in- plant training, industrial visit and interactive sessions like seminars, webinars and workshops take place. • Mutually beneficial activities (based on the MOUs) are organised in every department for every semester. • The MoU signed industries are recruited our students for placement and internship. • The students are benefited with certification courses in collaboration with industries. • Faculties are visiting to the industry to analyse and study of industry day to day and long standing technical problems.</p>  |
| Admission of Students                | <p>SITS being a premier engineering institution in Telangana state attracts potential applicants through several quality initiatives that go beyond quantitative measurements in its admissions process. Basic campus, education and research infrastructure to enable cutting edge research, modern classrooms and laboratories, infrastructure that nurtures innovation and entrepreneurship, linkages with industry and society, good placement of students that meet the aspirations of the students and expectations of employers and good grades enriched with a sound Practical knowledge have been the guiding factors in attracting students. The EAMCET rank is considered for admissions on merit basis under Category B.</p> |

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

| E-governance area        | Details   |
|--------------------------|---|
| Planning and Development | <p>E governance in various planning and development levels of the Institution is in place through the scheduling , conduct and maintenance of minutes of meetings and resolutions made out of Governing Council , Academic Council,</p> |



|                               |  |
|-------------------------------|--|
|                               | <p>Finance committee meetings for the policy making, approvals etc.</p> <p>Translation of these policies into action plans are thoroughly deliberated upon in IQAC meetings, Institute Academic Committee meetings , Research Advisory Board meetings etc..</p>  |
| Administration                | <p>This module provides support for day to day functionality of Institute Administration- Faculty induction, Leave management, service record maintenance, staff welfare measures etc. It has the features for creating holidays, Various Leaves, creating user and assign roles, reference data, service book, Pending Approvals, Employee's Shift, and Employee ID Card etc. It also defines workflow at various decentralized functionaries</p>   |
| Finance and Accounts          | <p>This module provides support to various finance and accounts related functionalities like student tuition fee payment, course registration fee, payment status, part/full payment involved in the purchase process, Ledger maintenance etc. Faculty and staff payrolls are created and the pay scales. Payroll details can be revised according to the scale of pay and dynamically changing DA time to time.</p>   |
| Student Admission and Support | <p>This module makes admission process automated. E-Announcements for admissions are made through this module and E-Applications are invited through web portal for getting admission into various programmes offered by the institution. It generates the report on the seats allotment by convener and its status like sliding of branches etc. Out of the students applied for seats under B Category merit list is prepared and seats are allotted in the order of merit. Roll lists are also generated along with student profile creation.</p> |
| Examination                   | <p>This module provides the functionality for student examination registration for end semester and creating seating arrangement for students. It facilitates the Nominal Rolls, Room and Branch(s) wise on a date of examination for both Internal and End Semester Examinations. It provides the functionality for generation of Admit Card and Internal Marks Entry by faculty.</p>   |

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

| Year                      | Name of Teacher    | Name of conference/<br>workshop attended<br>for which financial<br>support provided | Name of the<br>professional body for<br>which membership<br>fee is provided | Amount of support |
|---------------------------|--------------------|---|---|-------------------|
| 2018                      | A NARESH           | Workshop on<br>Computational<br>Intelligence<br>:Recent Trends                      | Nill  | 3000              |
| 2017                      | B BALU             | Workshop on<br>Statistical<br>Analysis for<br>business<br>Research                  | Nill  | 5000              |
| 2018                      | G NARESH BABU      | Recent<br>Advances in<br>Applied Nano<br>materials                                  | Nill  | 1000              |
| 2017                      | Y YAKANNA          | Recent<br>advances in<br>Mathematics  | Nill  | 1000              |
| 2018                      | M SOWJANYA         | One Week FDP<br>on AI using ML<br>and DL  | Nill  | 2500              |
| 2017                      | M RANJITH<br>REDDY | Two Week FDP<br>on Signal<br>Transform<br>Technique and<br>their<br>Applications    | Nill  | 4000              |
| 2017                      | V<br>VIJAYABHASKAR | One Week FDP<br>on Advances in<br>Wireless<br>Communication<br>Systems              | Nill  | 1500              |
| 2018                      | G SRINIVAS         | FDP On<br>Simulink for<br>System<br>Algorithm<br>Modelleing                         | Nill  | 1000              |
| 2018                      | V NARESH           | One Week FDP<br>on Data Science<br>Big Data<br>Analytics                            | Nill  | 2500              |
| 2017                      | D NARSAMMA         | One Weel FDP<br>- Application<br>of ANSYS In<br>Civil<br>Engineering                | Nill  | 1500              |
| <a href="#">View File</a> |                    |   |   |                   |

6.3.2 – Number of professional development / administrative training programmes organized by the College for

teaching and non teaching staff during the year

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date  | To Date    | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|------|--|---|------------|------------|---|---|
| 2017 | Professional Development Program On AI Machine Learning                      | Nil   | 23/12/2017 | 27/12/2017 | 26                                      | Nil   |
| 2017 | Nil  | Two days Training programme on Electrical safety standards                      | 18/08/2017 | 21/08/2017 | Nil                                     | 15  |
| 2017 | Nil  | overhauling of air compressor   | 09/12/2017 | 10/12/2017 | Nil                                     | 18  |
| 2017 | Nil  | Analog and digital Design using Cadence Tools                                   | 18/09/2017 | 20/09/2017 | Nil                                     | 16  |
| 2017 | Nil  | Workshop on Lab Safety and Maintenance  | 07/11/2017 | 08/11/2017 | Nil                                     | 15  |
| 2018 | ICT Tools for Teaching, Learning process and Institutes                      | Nil   | 12/01/2018 | 16/01/2018 | 35                                      | Nil   |
| 2018 | Workshop on Advance power electronics and Control simulation in LTspice.     | Nil   | 18/01/2018 | 20/01/2018 | 28                                      | Nil   |
| 2018 | Workshop   | Nil   |            |            | 20                                      | Nil   |

|                           |   |     |            |            |    |     |
|---------------------------|---|-----|------------|------------|----|-----|
|                           | on<br>Scripting<br>a<br>Technical<br>Paper  |     | 14/02/2018 | 16/02/2018 |    |     |
| 2018                      | One Day<br>workshop<br>on<br>Effective<br>Teaching<br>Learning<br>And<br>Research | Nil | 06/06/2018 | 07/06/2018 | 10 | Nil |
| <a href="#">View File</a> |   |     |            |            |    |     |

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

| Title of the professional development programme                                       | Number of teachers who attended | From Date  | To date    | Duration |
|---|---------------------------------|------------|------------|----------|
| FDP Data Visualization and Machine Learning using Python CVR College of Engg          | 10                              | 09/04/2018 | 13/04/2018 | 7        |
| FDP on Blended Learning Essentials  | 9                               | 11/06/2018 | 16/06/2018 | 7        |
| FDP On Pedagogical Training on Outcome Based Education by ISTE Faculty Chapter of VCE | 10                              | 05/05/2018 | 12/05/2018 | 7        |
| FDP Blended Learning Essentials at Vardhaman College of Engineering                   | 9                               | 11/06/2018 | 16/06/2018 | 7        |
| IonIdea Sponsored ICTIEE 2018 Wrkshop on Outcome Based Education Platform             | 12                              | 04/01/2018 | 09/01/2018 | 7        |
| FDP "Internet of Things"E ICT academy, NIT Warangal                                   | 11                              | 20/11/2017 | 25/11/2017 | 7        |

|  |    |            |            |   |
|--|----|------------|------------|---|
| FDP<br>"Virtualization<br>using Vsphere<br>6.0" CMR<br>college of<br>engineering and<br>technology           | 9  | 03/07/2017 | 07/07/2017 | 7 |
| FDP Cloud<br>Computing and<br>its<br>Applications" E<br>ICT academy,NIT<br>Warangal                          | 9  | 11/12/2017 | 16/12/2017 | 7 |
| FDP Data<br>science and Big<br>data Analytics<br>Vardhaman<br>College of<br>Engineering ,<br>CSE Dept        | 10 | 05/12/2017 | 09/12/2017 | 7 |
| FDP on<br>Artificial<br>Intelligence<br>and Machine<br>Learning at<br>Vardhaman<br>College of<br>Engineering | 8  | 05/02/2018 | 10/02/2018 | 8 |
| <a href="#">View File</a>  |    |            |            |   |

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

| Teaching  |           | Non-teaching |           |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent    | Full Time |
| 250       | 250       | 25           | 25        |

6.3.5 – Welfare schemes for

| Teaching  | Non-teaching   | Students  |
|---|--|---|
| <p>Group Medical Health Insurance, Creche (employee children), Gymnasium, Yoga with Meditation hall, Purified Mineral water across the campus, Health Centre. • Health Check up camp • Travel Grant for presentations in the conferences • Higher start for Higher qualifications • Subsidized travel in college buses for all employees. • Professors are provided car</p> | <p>Group Medical Health Insurance, Subsidised Transportation, Creche (employee children), Gymnasium, Yoga with Meditation hall, Purified Mineral water across the campus, Health Centre.</p> | <p>Group Personal accidental Policy for all the students, Gymnasium, Yoga with Meditation hall, Purified Mineral water across the campus, Health Centre, Canteen Service with subsidised Rates, Aid for the Students Participating in conference, Arrangement of bicycles to move in the Campus • Skill development (Spoken English, Computer Literacy, etc.,) • Health Check up camp • The</p> |

|   |  |   |
|---|--|---|
| transport facility to college from city |  | <p>Founder's scholarship is available for students who are from the low income group. • Student awards are constituted for 100 attendance in an academic year, topper of the semester in each branch, best outgoing student etc. • A group insurance scheme has been initiated for the students • Sponsorship is given to students to present their papers at both the national and international level. • Campus Recruitment coaching classes for the students with the help of Experts • Facilitating students to get the scholarship under State Government Reimbursement of tuition fee scheme • Book Bank service is provided for SC ST students for all semesters</p> |
|---|--|---|

## 6.4 – Financial Management and Resource Mobilization

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

**Internal /Concurrent Audits** • The expenditure for staff salary is being audited every month • The amount incurred towards infrastructure maintenance and purchase of new equipment's, consumable items is being audited then and there. • The expenditure incurred towards organizing the programs in institute is being audited. • The amount spent towards staff development programs attended by the staffs outside of the institution. • Identify and assess risks of material misstatement, whether due to fraud or error, based on an understating of the institution and its environment, including the institutions internal control. • Obtain sufficient appropriate audit evidence about whether material misstatements exist, through designing and implementing appropriate responses to the assessed risks. • Form an opinion on the financial statements, or determine that an opinion cannot be formed, based on an evaluation of the audit evidence obtained. • Obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, thereby enabling the auditor to express an opinion on whether the financial statements are presented fairly, in all material respects, in accordance with an applicable financial reporting framework. • Providing reasonable basis for the users to place reliance on financial statements, and • To comply the various legal requirement. **External/Statutory Audits** • In our institution external audit is being carried out by Chartered accountant with their team of audit staff during the period from June to September every year. • The external team audit the objects as referred the activities of internal audit. • All the flow of funds of the institution is being audited by the external team and submits audited statement to the management. Mechanism of settling audit objection: We have appointed a separate staff in the accounts

department to follow up audited activities. If any objections raised by the external auditing team it will be settled then and there

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

| Name of the non government funding agencies /individuals | Funds/ Grnats received in Rs. | Purpose                            |
|--|-------------------------------|------------------------------------|
| FULLHOZZ LTD   | 1052600                       | Auditorium Name on his Father Name |
| <a href="#">View File</a>                                |                               |                                    |

6.4.3 – Total corpus fund generated

|           |
|-----------|
| 114753340 |
|-----------|

## 6.5 – Internal Quality Assurance System

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

| Audit Type     | External |                         | Internal |   |
|----------------|----------|-------------------------|----------|---|
|                | Yes/No   | Agency                  | Yes/No   | Authority   |
| Academic       | Yes      | JNTUH                   | Yes      | Internal Quality Assurance Cell(IQAC)                           |
| Administrative | Yes      | CA chartered accountant | Yes      | Internal Quality Assurance Cell(IQAC),Quality Management System |

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

- Parent -Teacher meeting is organized by individual departments at least twice in a year.
- Institutions achievements and Events are shared with the parents.
- During parent's teachers meeting feedback regarding curriculum development, Placement opportunities, co-curricular and extracurricular aspects are collected from parents. Also discussed the performance of their wards in the Test sand other activities...
- Faculty advisors are keep on touch with the parents to discuss the academic activities.
- Attendance report and Examination test performance of the students are sent through SMS to their parents.

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

- Stress Management program was organised for the support staff.
- A workshop on "Positive Thinking for Holistic Growth" has been conducted for the benefit of the staffs.
- Yoga classes were arranged for the interested staff members to maintain their health.
- The basic computer training on MS office was conducted to improve the computer skills.
- Spoken English class is being conducted for the supporting staff to improve their communications.

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

- Intramural Lecture series were introduced for and by the faculty once in fortnight through faculty development cell.
- Every Professor and associate professor insisted to Publish at least 2 SCI indexed journals and assistant professor 2 Scopus journals
- The Focus Group for different verticals has been initiated for the development of institutions.
- Every Faculty should undergo Industry training of 40 hours.
- The Lecture Capturing System (LCS) is

additionally installed in more class rooms. • The internship and online courses has been considered as a credit course.. • SITS Career Planning Centre is established to offer services such as counseling and training for higher studies and research carriers of students. •Sits Readers Club has been initiated to make students understand that the essential of reading.

#### 6.5.5 – Internal Quality Assurance System Details

|  |     |
|--|-----|
| a) Submission of Data for AISHE portal | Yes |
| b)Participation in NIRF                | No  |
| c)ISO certification                    | Yes |
| d)NBA or any other quality audit       | No  |

#### 6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC                               | Date of conducting IQAC | Duration From | Duration To | Number of participants |
|------|--|-------------------------|---------------|-------------|------------------------|
| 2017 | Pedagogy Training Programme                                      | 20/06/2017              | 20/06/2017    | 22/06/2017  | Nill                   |
| 2017 | Stress Management  | 21/06/2017              | 21/06/2017    | 21/06/2017  | Nill                   |
| 2017 | Stress Management and Work Life Balance                          | 06/08/2017              | 06/08/2017    | 06/08/2017  | Nill                   |
| 2017 | IPR Protection and Importance of Patent Filing                   | 19/11/2017              | 19/11/2017    | 19/11/2017  | Nill                   |
| 2017 | Internal Academic audit  | 06/08/2017              | 06/08/2017    | 10/08/2017  | Nill                   |
| 2017 | External Academic audit  | 11/09/2017              | 11/09/2017    | 15/09/2017  | Nill                   |
| 2017 | Induction Cum Refresher Programme for New Recruits Other Faculty | 18/06/2017              | 18/06/2017    | 22/06/2017  | Nill                   |
| 2018 | Programme on Increase the usage of e-Journals                    | 13/03/2018              | 13/03/2018    | 13/03/2018  | Nill                   |
| 2018 | Positive Thinking for Holistic Growth                            | 25/06/2018              | 25/06/2018    | 25/06/2018  | Nill                   |



|                           |                            |            |            |            |     |
|---------------------------|----------------------------|------------|------------|------------|-----|
| 2018                      | Workshop on "Goal Setting" | 22/05/2018 | 22/05/2018 | 22/05/2018 | Nil |
| <a href="#">View File</a> |                            |            |            |            |     |

## CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 – Institutional Values and Social Responsibilities

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

| Title of the programme   | Period from | Period To  | Number of Participants |      |
|--|-------------|------------|------------------------|------|
|  |             |            | Female                 | Male |
| Economic empowerment of women.   | 09/04/2017  | 09/09/2017 | 246                    | 150  |
| Seminar on "laws related to Women"   | 26/11/2017  | 27/11/2017 | 235                    | 124  |
| "Is gender a social and cultural construct? Oral Presentation by the English Teaching Faculty" | 01/03/2018  | 30/03/2018 | 252                    | 132  |
| BREAST CANCER AWARENESS PROGRAM  | 24/08/2018  | 25/08/2018 | 258                    | 0    |

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

| Percentage of power requirement of the University met by the renewable energy sources   |
|---|
| <p>SITS maintains the environmental consciousness by prohibiting the automobiles inside the campus. Those students residing in the hostel are encouraged to use bicycles to keep the campus pollution free. In college campus, hostel students are provided with bicycles. Across our campus there are a huge cycle parking spaces. Most of the students use either college buses or TSRTC Government Transport buses while commuting to the college. The College runs 21 buses covering all the important points to make the staff and students to reach the campus by 8:50 am and then leave the campus by 4 pm. In addition to this, several TSRTC buses also run on the route leading to the college. A vehicle is always kept ready all the 24 hours in case of any emergency. Very few faculty members use their own vehicles for commuting every day. The approach road from the main road and the roads within the campus are laid with concrete 40 feet width and separate markings are made for waking of pedestrians. In the context of sustainable development ec has been utilizing the renewable energy to reduce the power consumption by installing the roof top SOLAR Panels with the capacity of 20kW. The institution is meeting the about 15 percent of its total power consumption through renewable energy. Also to save energy by reducing power consumption, 40 percent of the lightning is met through LED lights.</p> |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|-----------------|--------|-------------------------|
|-----------------|--------|-------------------------|

|  |     |   |
|--|-----|---|
| Physical facilities                                      | Yes | 1 |
| Provision for lift                                       | Yes | 1 |
| Ramp/Rails   | Yes | 1 |
| Braille Software/facilities                              | Yes | 0 |
| Rest Rooms   | Yes | 1 |
| Scribes for examination                                  | Yes | 0 |
| Special skill development for differently abled students | Yes | 1 |

#### 7.1.4 – Inclusion and Situatedness

| Year | Number of initiatives to address locational advantages and disadvantages | Number of initiatives taken to engage with and contribute to local community | Date       | Duration | Name of initiative  | Issues addressed  | Number of participating students and staff |
|------|--|--|------------|----------|---|---|--|
| 2017 | 1  | 1  | 01/07/2017 | 5        | Geo Physical Investigation to find Potential Ground water recharge sites in Narapally , | Ground Water recharge   | 25   |
| 2018 | 1  | 1  | 30/06/2018 | 4        | Career guidance to school children  | Need for basic education and opportunities after school education                   | 55   |
| 2018 | 1  | 1  | 03/07/2018 | 2        | Medical Camp  | Identified the major health problems and consultation is arranged by expert doctors | 59   |

[View File](#)

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

| Title   | Date of publication | Follow up(max 100 words)   |
|---|---------------------|--|
| Employee Handbook                                 | 14/08/2017          | The principal, heads of the department and HR, continuously monitor the organizational behavior and objectives of every faculty and students.  |
| Academic Calendar                                 | 01/08/2017          | A code of conduct for students is specified in the Academic Diary.   |
| Seminar on "Professional Ethics and Human Values" | 14/10/2018          | The program was conducted for students to follow up on the theory course of the curriculum. This program helps students to understand professional ethics to be followed in an organization. |

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

| Activity  | Duration From | Duration To | Number of participants |
|---|---------------|-------------|------------------------|
| Awareness program on Freedom Fighters   | 15/08/2017    | 15/08/2017  | 146                    |
| An Awareness program on Save Water Save Life  | 07/12/2017    | 07/12/2017  | 178                    |
| An Awareness programs on "Civic virtues and moral values                              | 02/08/2018    | 02/08/2018  | 159                    |
| Personality Development Session   | 15/05/2018    | 15/05/2018  | 167                    |
| Awareness program on "World hand wash day"  | 15/10/2017    | 15/10/2017  | 124                    |
| Awareness created about blood donation 'Motivated the general public to donate blood' | 04/04/2018    | 04/04/2018  | 150                    |
| An Awareness program on Art of Living Values  | 15/05/2017    | 17/05/2017  | 165                    |
| <a href="#">View File</a>   |               |             |                        |

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

Green Practices (Students, and staff using) a) Bicycle b) Public Transport c) i) Plastic free campus ii) Paperless office iii) Green landscaping with trees and plants a) Use of bicycles A few day-scholars and hostel students are encouraged to use bicycles within and outside the campus. b) Use of public

transport As the college is located in the centre of the city, students and faculty use public transport to commute between college and their place of stay. C) i) Plastic-free campus The college has a plastic-free campus. ii) Green landscaping with trees and plants Green Building: This building focusing on waste and energy conservation technique. iii) Paperless office At SITS, the established principle of 'Reduce - Reuse - Recycle' is very much in practice with regard to the use paper. • Official college information is disseminated through online facilities like "SITS times" (for circulars), Management Information System (MIS) and the FTP, all of which are accessible by means of an official ID and password to staff-members within a LAN system on the campus. The MIS houses a complete database of students and faculty. • When paper is required to be used, e.g. for printing or writing, eco-friendly paper is used. Additionally, onside printed paper is reused for writing or printing of draft letters or documents is widely used. Other facilities: • Use of solar energy • Waste water recycling • CCTV Cameras • Sprinklers for landscape and lawns • Installation of ample number of power saving LED lights in campus • Rainwater tanks are constructed for harvesting rain water to prevent soil erosion and to meet water requirement partially.

## 7.2 – Best Practices

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

Title of the Practice - 1: Speakers Forum Goals: The SITS Students' Speakers' Forum (SSSF) has been constituted with the aim of making students become good speakers with ABC -A: Accuracy, B: Brevity, C: Clarity. To eradicate the stage fear of the students and to enrich the students in their inter per SITS skill sets. The Context: The program is designed to make it informative and enjoyable at the same time. Students can present ideas that they have encountered while reading in the library, which has more than 8000 books on various subjects, about activities of their clubs, summary of seminars and conferences held by the departments. The Practice: The programs of speakers forum is conducted every Wednesday for the departments in cyclic fashion. Many students from all the years of the departments participate in the event. The speaking ability of the students are assessed by team of faculty members from English department. Every week one department is deputed to host the speaker's forum in which the students are giving speech to the audience of students on various general topics. Participants in the Speaker's forum, in addition to cash and gifts participatory certificates will be given which they can add to their C.V. The proceedings of the Speakers Forum are video recorded and are kept as a reference material in the library. The Activities of Speakers' forum has created in students, leadership qualities, team work, communication skills and increased usage of the Library materials. Due to the confidence gained by 'Addressing an Audience', placement opportunities are also expected to increase. Evidence of success: The Forum has already driven away Stage Fear in students and made them great orators who speak fluently and with confidence. With SITS Speakers' Forum becoming popular and beneficial, it is considered a privilege to participate in the Forum. Year 2017 - 2018 Number of Days of Speakers Forum: 16 Number of Participants : 151 Number of Topics : 151 Problems Encountered: Initially, many students hesitated in participating in the activities. Slowly after the success of this initiative students voluntarily came forward to mark their presence. Resources Required: Necessary provisions are made in the budget allocation. A separate space has been allotted to conduct the events on the regular basis. The faculty members on rotation basis from the English and training department are assessing the communication capabilities of the students. Notes: It is gratifying to note that many of the participants in the Speaker Forum have fared well in placement interviews and got placed in top notch companies. Many of the Students who have won laurels in Speakers Forum have also won awards in Inter-Collegiate contests. Title of the

**Best Practice - 2: Peer Tutoring Goal:** The goal of this practice is to, • Develop the students ability and skill to teach and guide other students • Inculcate two way learning process. **The Context:** • Peer tutoring is a teaching and learning strategy wherein students practice teaching skills and master content delivery. Teachers use peer tutors to help accommodate a classroom full of diverse students who need more individualized attention. The teachers identify complex topics which are difficult to be understood by the students. The peer tutors will deliver content on those topics to the students. This initiative is taken to Promote a Supportive Classroom Atmosphere. **The Practice:** The departments call for nominations from students for peer tutoring. The students voluntarily come for this activity and they are interviewed by a committee of teachers and the students are selected based on their attitude, team spirit, communication skills and academic excellence. The peer tutoring classes are scheduled. Random feedbacks are collected from the students on peer tutors to assess their effectiveness of teaching. Remuneration is given to them in an hourly basis. **Evidence of Success:** Benefits of peer tutoring for students include higher academic achievement, improved relationships with peers, improved per SITS and social development as well as increased motivation. Students easily understand tutors who are cognitively closer to each other. Usually students find their own ways of communicating with other students and many times they can present a subject to other students in a better way. Peer tutors give their classmates their own models of understanding subject using their per SITS experiences, fresh ideas, examples from every-day life, even popular communicating symbols that make learning easier. Students feel very proud on being a peer tutor and they have mentioned their success to the expert members of accreditation bodies. Peer tutoring not only ensures a good level of effective and efficient communication and cooperation in favour of the tutees but also acts at the benefit of student-tutors as well. The tutors' gains are the following: ? By spending time in revising the subject matters, they have to teach other students which result in acquiring deeper and clearer knowledge on the specific subjects they deal with. ? Student tutors enjoy a rise in their self-esteem, feeling that they do something useful and seeing their tutees improve. They also enjoy respect from tutees. Many times the ambition of older students to be selected as tutors increases competitiveness and results in improving the older groups' standards. ? Structured peer tutoring improves communication and cooperation among students, enhances the team spirit and helps socialization. **Problems Encountered:** Initially the peer tutors are struggling in the effective delivery of the content. The teachers support and guide them in improving their quality of teaching. **Resources Required:** Necessary provisions are made in the budget allocation. And all the peer tutors are encouraged with a remuneration policy. **Notes:** The peer tutors add their peer tutoring activity in their curriculum vitae as their achievement.

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

<http://www.siddhartha.co.in>

### 7.3 – Institutional Distinctiveness

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

**Industry Institute Interaction** SITS College of Technology is always the most preferred educational institution for the Industries to collaborate for its various needs and SITS always wants to involve the industry in its all academic, research and consultancy activities as below. • Every course is assigned with an industry mentor. They curate the syllabi, give problems to solve, give mini projects, possibility to get internships. • Students are having full 8th semester for doing internship which gives students an

opportunity to do internships at the industry. • Offers industry offered electives for students for practical exposure. • SITS curriculum includes industry training or internships during summer or winter vacation which are recognized as credit courses. • Signs MOUs with many industries for mutual exchange of knowledge and research which is one of the quality objective to be attained with a target. • Offer guest lectures and workshops on latest innovations by industry mentors at least one for every course. • We are involving more industry members in board of studies for industry requirements to be incorporated in the syllabus. • SITS faculty are providing training to industry people on new technologies. • • Industry visits are arranged for faculty to update themselves on latest developments. • Organizes RD review meeting regularly in which industry people of different domains are invited to review the research works carried out by the faculty. • We appoint adjunct faculty from industry to teach the students. • We are doing collaborative research with industries. • Our faculty publishes research articles and file patents in collaboration with industry. • SITS faculty members develop proof of concept as a consultancy service for the ideas of industry. SITS has attracted more than 20 Companies giving more than 240 Job Offers (30 of Students fetching multiple Offers) with an average CTC of 4.5 LPA from Software Products Services Industry, like Amazon, CISCO, Optum Insight, OpenText, Qube, IBM, Infosys, TCS, Cognizant, Wipro, Hexaware , Robert Bosch, HCL Technologies, Tech Mahindra, Kaar Technologies, Vuram Technology, BNP Paribas, IVTL Infoview, SoqueTek, Deevita, SunTec, First American, Nexware, CGI, ATOS Syntel, etc.. catering to Telecommunications, Automotive Vehicles, Pharmaceuticals, Banking Finance, Web Mobile Applications and Entertainment Sectors. For the Core Engineering branches, we have ElGi Equipments, Ashok Leyland, Rane, Tube Investments India, Brakes India, Renault Nissan, Gusti Tools, Worksbot, Uno Minda, Stanadyne, VectorWorks, URC Constructions, SS Group, Syrma Technology, Mistral Solutions, Axis Global Automation, Taegutec, VR Earthmovers, Aditya Birla Clothing, Gokuldas Exports, Shahi exports,

Provide the weblink of the institution

<http://www.siddhartha.co.in>

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

Future plans of the institute are primarily aiming at scaling the intellectual environment of the institute. This includes aiming at inducting a better quality of students, faculty and intellectual output. The institution strongly believes that academic research can strongly contribute to corporate decision making and has a well developed research plan for the upcoming year. Research workshops and special sessions are also being organised with the intention of familiarising individuals with the latest developments pertaining to research methods, technological evolution and research paper writing, thereby aiming at increasing the academic performance of the institution. In order to increase the innovative ability of students, the entrepreneurship development cell proposes to conduct programs. This will increase the number of companies to have incubation centres in the campus. It is aimed to generate additional revenue through research activities, continuing education, industrial consultancy and testing services. This is very helpful to enhance and promote the research culture among faculty as well as students. The Management has initiated steps to make the college into a autonomous college to improve the standard of the college. The institute will have a plan to increase the MoU with other university departments and industries to meet the current industry needs. We are planning to conduct more faculty development program, workshop and short term training courses to the faculty to promote their research and academic skills.