# Yearly Status Report - 2018-2019

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1. Name of the Institution** | **S J C INSTITUTE OF TECHNOLOGY** |
| Name of the head of the Institution | **Dr. K M RAVIKUMAR** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **08156263181** |
| Mobile no. | **9880373629** |
| Registered Email | **principal@sjcit.ac.in** |
| Alternate Email | **sjcit1@rediffmail.com** |
| Address | **Post Box No:20, B B Road** |
| City/Town | **Chickaballapur** |
| State/UT | **Karnataka** |
| Pincode | **562101** |

2. Institutional Status

| Affiliated / Constituent | **Affiliated** |
| --- | --- |
| Type of Institution | **Co-education** |
| Location | **Rural** |
| Financial Status | **private** |
| Name of the IQAC co-ordinator/Director | **Prof. Satheesh Chandra Reddy S** |
| Phone no/Alternate Phone no. | **08156263182** |
| Mobile no. | **9844551494** |
| Registered Email | **iqac.sjcit@gmail.com** |
| Alternate Email | **ramtok@gmail.com** |

## 3. Website Address

| Web-link of the AQAR: (Previous Academic Year) | [http://sjcit.ac.in/dept-pdf-files/college-pdf/AQAR%20final%2017-18.pdf](http://sjcit.ac.in/dept-pdf-files/college-pdf/AQAR%20final%2017-18.pdf) |
| --- | --- |

| **4. Whether Academic Calendar prepared during the year** | **No** |
| --- | --- |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
| --- | --- | --- | --- | --- | --- |
| | | | | Period From | Period To |
| **1** | **B++** | **2.80** | **2017** | **30-Oct-2017** | **29-Oct-2022** |

| **6. Date of Establishment of IQAC** | **16-Nov-2017** |
| --- | --- |

## 7. Internal Quality Assurance System

| 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 |
| **FIVE DAYS WORKSHOP ON NBA AWARENESS** | **16-Jan-2019**<br>**5** | **88** |
| [View File](#) | | |

**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 |
|---|---|---|---|---|
| SJCIT/Mechanical/Dr.Thyagaraj N R | FDP | TEQIP | 2019 5 | 300000 |
| No Files Uploaded !!! | | | | |

| | |
|---|---|
| **9. Whether composition of IQAC as per latest NAAC guidelines:** | No |
| Upload latest notification of formation of IQAC | No Files Uploaded !!! |
| **10. Number of IQAC meetings held during the year :** | 6 |
| The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website | No |
| Upload the minutes of meeting and action taken report | No Files Uploaded !!! |
| **11. Whether IQAC received funding from any of the funding agency to support its activities during the year?** | No |

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

• Audit to monitor and ensure the quality of student's activities, department activities and staff members for periodic assessment for performance of academic task timely, efficient and progressive performance of academic task. • Periodical meetings with staff members are initiated to formulate the plan of action. The implementation of action plans are reviewed in the subsequent meetings. • SJCIT IQAC strengthened the campus placement process through Memorandum of Understanding with various industries to build up the Industry Institute Interaction at various levels. • Periodical meetings with staff members are initiated to formulate the plan of action. The implementation of action plans are reviewed in the subsequent meetings. • Departmental IQA committees were initiated

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

| Plan of Action | Achivements/Outcomes |
|---|---|
| • A common and specific format may be designed to collect the feedback from different sectors of Stakeholders associated with the institution. • To conduct Internal Audit and Internal | • Measures were taken to frame a common template to acquire the feedback of ? Curriculum feedback ? Seminar Feedback ? Institutional Feedback ? Library Feedback • Systematic examination of a |

| | |
|---|---|
| Academic Audit for all the departments and other Cells and Clubs for the effective functioning. • Research promotion in the Institute. • To increase the Number of PhD holders | quality system was carried out for all departments by an internal ? Encourage faculty to pursue research in basic and applied technology ? To publish in Journals of International Standards 3) Apply for Patents and IPR's • This initiative has increased the number of Ph.D holders in the Institution in the Academic year 201819 |
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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:** | No |
| **17. Does the Institution have Management Information System ?** | Yes |
| If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words) | 1. Admission – Institute MIS admission modules helps in admission process of all UG and PG students of the institute are required to complete the admission formality by filling up online admission forms writing all the academic and other information on this forms. The module helps in collecting the information of this academic admissions program wise and also helps in making merit list as per the institute norms with this merit list the student are admitted strictly base on their based on merit marks. 2. Examinations – This module takes care of the exam activities in the form of appointment of invigilator, downloading and distribution of question papers, end semester marks and declaration of results using CGPA system and collection of exam fees. 3. Administration – The day to day data related to attendance of regular and temporary faculty is part of this module which also helps in monthly salary payment of all employee of the institute. Leave Management – Through this module all faculty members of the institute apply for different types of leaves and information goes for necessary approval of the same keeping |

record of total number of leaves consume by the faculty throughout the year and the balance leave available with faculty. Faculty service records – This module keeps service record of all faculties. 4. Academic Activities – The information related to the students roll numbers their course details and their other information is part of this module. Time Table – Preparation and display of academic calendar and timetable. 5. Stores Management – This module helps in vendor registration, tender procedure used for procurement of consumables and equipments, the repair and maintenance of institute's infrastructure, receiving tenders, preparing comparative statements, preparing and placing orders and the necessary administrative approvals of the procurement. 6. Attendance – Institute have a student attendance module which helps in recording online attendance of all lectures and practical's conducted for UG and all PG programmes. This module determines the list of list who does not qualify minimum attendance requirement of the institute. 7. Accounts and Finance – Institutes accounts and finance is run with all its functions using accounts and finance modules .Fees Payment – Students through this module can pay their annual tuition fee and other fees using online mode.

# 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

? Establishing the Course Plan for every subject well before the commencement of each semester along with the course hand outs which are made available to all students on the start of the academic year ? Teacher's study materials [soft copy-power point/PDF presentation] are shared with students. ? Use of ICT in teaching learning process. ? 24X7 Wi-Fi enabled campus providing for technology access. ? Overhead projectors in every classroom ? Teaching faculty and students are encouraged to use latest technology such as LCD, internet, NPTEL videos etc., in the teaching learning process ? Faculty members have been permitted to undergo Faculty Development Program (FDP) for acquiring subject exposure; thereby the process of teaching-learning has been strengthened ? Refresher courses and bridge courses are conducted for first year and lateral entry students for the smooth academic transition towards Engineering pedagogy. ? Motivating faculty members for submitting their research proposals as major, minor research projects to various funding agencies and intramural research

> **fund by management. The theme of the proposal is also discussed with the students, thereby the learning ability of the students has been enriched towards research excellence**

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

| Certificate | Diploma Courses | Dates of Introduction | Duration | Focus on employ ability/entreprene urship | Skill Development |
|---|---|---|---|---|---|
| CATIA V5 Training | CATIA V5 Training | 03/03/2018 | 60 | Employabil ity | Modern Tool Usage |

## 1.2 – Academic Flexibility

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

| Programme/Course | Programme Specialization | Dates of Introduction |
|---|---|---|
| BE | Aerospace Enggineering | 30/04/2019 |
| **No file uploaded.** | | |

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

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|---|---|---|
| BE | Aerospace Enggineering | 30/04/2019 |

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

|  | Certificate | Diploma Course |
|---|---|---|
| Number of Students | Nil | 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 |
|---|---|---|
| CATIA V5 Training | 03/03/2018 | 60 |
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### 1.3.2 – Field Projects / Internships under taken during the year

| Project/Programme Title | Programme Specialization | No. of students enrolled for Field Projects / Internships |
|---|---|---|
| BE | Aeronautical Engineering | 28 |
| BE | Civil Engineering | 114 |
| BE | Computer Science Engineering | 106 |
| BE | Information Science Engineering | 107 |
| BE | Mechanical Engineering | 118 |
| BE | Mechanical Engineering | 99 |
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## 1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

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

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

| Feedback Obtained |
|---|
| Effectiveness of this process is analyzed via feedback from students once in one semester. First feedback is taken 1 month after commencement of semester and the feedback was analyzed, discussed during the faculty meeting and corrective action are decided and implemented. This helps the current students taking the course. Second feedback is taken at the end of the course wherein feedback is sought on course outcomes, coverage of relevant topic beyond syllabus, laboratory experiences and student centric efforts along with seeking their suggestions for improvement of the course, content and delivery. The analysis of students feedback and faculty self appraisal is done by program me assessment committee with recommendations of corrective actions if necessary At the end of the semester, all the students are required to fill an online feedbackform appraising the teaching of faculty. • Lecture classes are monitored by senior Professors and Head of the Department. They give constructive comments to improve the teaching learning process. This motivates them to improve their skills and abilities. • Training / orientation programs are conducted by professional experts to improve the skills of the faculty members |

## CRITERION II – TEACHING- LEARNING AND EVALUATION

### 2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

| Name of the Programme | Programme Specialization | Number of seats available | Number of Application received | Students Enrolled |
|---|---|---|---|---|
| BE | AEROSPACE ENGINEERING | 60 | 34 | 29 |
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### 2.2 – Catering to Student Diversity

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

| Year | Number of students enrolled in the institution (UG) | Number of students enrolled in the institution (PG) | Number of fulltime teachers available in the institution teaching only UG courses | Number of fulltime teachers available in the institution teaching only PG courses | Number of teachers teaching both UG and PG courses |
|---|---|---|---|---|---|
| 2018 | 2520 | 169 | 174 | 18 | 192 |

### 2.3 – Teaching - Learning Process

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

| Number of Teachers on Roll | Number of teachers using ICT (LMS, e- | ICT Tools and resources available | Number of ICT enabled Classrooms | Numberof smart classrooms | E-resources and techniques used |
|---|---|---|---|---|---|

| Resources) | | | | | |
|---|---|---|---|---|---|
| 144 | 140 | 10 | 44 | 4 | 3 |

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

Effective mentoring is important to all persons pursuing an advanced degree in engineering, and especially to those beginning academic careers. This is especially true in academia, where an applicant's graduate institution and adviser are often enough to secure serious consideration by a hiring committee. For example, Weak student support strategy: Teachers attempt to enhance the performance of weak student with the following steps: ? Regular counseling and providing moral support to them by mentoring. For each teacher around 20 students are allotted for the process. ? Constant monitoring of their performance in internal assessments. ? Extra classes (remedial classes) arranged for backlog subjects. ? Encouraging them for regular attendance. Bright student support strategy: Faculty members make efforts for boosting up the performance of bright students by Encouraging them to score good percentile in the examination with the help of assignments. ? Encouraging them to participate in seminars/conferences conducted in different institutes and organization. ? Encouraging them to participate in state and national levels quiz and debate competitions. ? Students are encouraged to publish papers in various journals, both national and international. ? Encouraging them to guide their weak classmates. Teaching others to make them more perfect.

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|---|---|---|
| 2520 | 169 | 1:15 |

## 2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

| No. of sanctioned positions | No. of filled positions | Vacant positions | Positions filled during the current year | No. of faculty with Ph.D |
|---|---|---|---|---|
| Nill | Nill | Nill | Nill | 28 |

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

| Year of Award | Name of full time teachers receiving awards from state level, national level, international level | Designation | Name of the award, fellowship, received from Government or recognized bodies |
|---|---|---|---|
| 2019 | Dr. K M Ravikumar | Principal | IEEE |

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## 2.5 – Evaluation Process and Reforms

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

| Programme Name | Programme Code | Semester/ year | Last date of the last semester-end/ year-end examination | Date of declaration of results of semester-end/ year- end examination |
|---|---|---|---|---|
| BE | BE | 8/4 | 08/07/2019 | 26/08/2019 |

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

Internal Marks and project work are the internal modes of assessment. The college being affiliated to Visvesvaraya Technological University. The College adheres to the syllabus prescribed by the University. An academic calendar

clearly specifying the date/time of various academic events to take place during the academic session should be notified prior to the commencement of the academic session. Semester examinations are held as per University examination schedule at the semester end. The continuous Internal Evaluation is done over a semester. Three Internal Tests will be conducted to all the semester students and best average of two is considered for evaluation purpose. For each internal tutorial will be provided by each faculty before one week from the date of internal. The faculties are informed to cover the syllabus for the three internals. The faculties who handle critical subject those faculties can give extra internals test. For effective implementation of Continuous Internal Evaluation (CIE) system at the institutional level, the institute conducts three unit tests (best of Two is considered) The answer scripts are given back to the students after evaluation for their information, providing sufficient transparency and accountability. It also promotes the student to participate in mini project demonstration, model exhibition, programming skill competitions, mega projects, technical paper presentation, workshop, and seminar. CIE Components also includes MCQs, Quiz competition, home assignments, Lab Exercises and Practical. The college encourages and guides students to participate in national level competitions organized by other Colleges and Universities. Students are encouraged to get involved in industry sponsored projects as a part of their curriculum in final year The college gives facility to participate in competitive examinations and higher studies. Industrial visits are arranged for the students and students submit the report. The participation and performance of students in sports, NSS, NCC and other extracurricular and cultural activities. The feedback system is provided to the students for giving the feedback on all fronts The institute communicates progress report of their ward to the parents. It organizes parents and guardians meeting to have a communication twice in year. By giving home assignment, tutorials, problems and taking follow up, help the student to explore various learning resources like the Internet and libraries etc. which will enable to develop self study, analytical and reasoning capabilities. Students are encouraged to see video lectures ebooks, models and charts.

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

The academic calendar is prepared as per the VTU guidelines from first to last working day. Public holidays have been taken into account. The calendar of events will be prepared by academic in charge and will be approved by Head of the Institution. The calendar of events contains dates of holidays, meetings, class teacher meeting, Internals, Announcement of marks, commencement of classes, end of classes, commencement of theory examination, end of theory examination and finally commencement of next semesterIt includes all the academic details which enhance the quality of education by following stringently and effectively. The calendar of events will be given to the faculties 10 days before the commencement of semester classes which helps the faculties to prepare lesson plan efficiently. There are few colors in the academic calendar which are represents as follows. TestDark blue, Tutorial light blue Commencement and Last working days Orange, HolidaysRed and MeetingsGreen

## 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)

http://www.sjcit.ac.in/aer.html

2.6.2 – Pass percentage of students

| Programme | Programme | Programme | Number of | Number of | Pass Percentage |
|-----------|-----------|-----------|-----------|-----------|-----------------|

| Code | Name | Specialization | students appeared in the final year examination | students passed in final year examination | |
|------|------|----------------|----------------------------------------------|-------------------------------------------|---|
| BE | BE | Aeronautical Engineering | 42 | 41 | 97.62 |
| BE | BE | Computer Science Engineering | 107 | 106 | 99 |
| BE | BE | Civil Engineering | 114 | 97 | 85.08 |
| BE | BE | Information Science & Engineering | 107 | 107 | 100 |
| BE | BE | Electronics & communication Engineering | 98 | 98 | 100 |
| BE | BE | Mechanical Engineering | 108 | 108 | 100 |
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## 2.7 – Student Satisfaction Survey

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

https://drive.google.com/file/d/1CuOMB2CTOqxuylh72OO2D2D9qbS6ebMk/view?ts=5e6b2e1a

# 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 |
|-----------------------|----------|----------------------------|------------------------|--------------------------------|
| Minor Projects | 365 | KSTA | 150000 | 75000 |
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## 3.2 – Innovation Ecosystem

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

| Title of workshop/seminar | Name of the Dept. | Date |
|---------------------------|-------------------|------|
| Processing and Characterization of Metal Matrix Composites | Mechanical Engineering | 15/07/2019 |
| Methods of Computational Fluid Flows – An Industrial Approach | Mechanical Engineering | 28/01/2019 |

| Selection of Projects And Writing Proposals | Computer Science Engineering | 09/08/2018 |
| --- | --- | --- |

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 |
| --- | --- | --- | --- | --- |
| POORNI | MANJUNATH S | VTU | 03/08/2018 | Project Exhibition |

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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 |
| --- | --- | --- | --- | --- | --- |
| SJCIT-NAIN | New age Incubation Network (NAIN) | NEW AGE INCUBATION NETWORK(NAIN) | NEW AGE INCUBATION NETWORK(NAIN) | Department of IT, BT and ST Government of Karnataka | 12/02/2018 |

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**3.3 – Research Publications and Awards**

3.3.1 – Incentive to the teachers who receive recognition/awards

| State | National | International |
| --- | --- | --- |
| 0 | 0 | 0 |

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

| Name of the Department | Number of PhD's Awarded |
| --- | --- |
| Computer Science Engineering | 1 |
| Mechanical Engineering | 3 |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
| --- | --- | --- | --- |
| International | Pre-Engineering | 11 | 5.96 |

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

| Department | Number of Publication |
| --- | --- |
| Mechanical Engineering | 7 |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | Citation Index | Institutional affiliation as mentioned in the publication | Number of citations excluding self citation |
| --- | --- | --- | --- | --- | --- | --- |
| ''Change in Semigraph | Hanumesha.A G | International Journal Of | 2019 | 5.96 | ISSN: 2277-3878, volume-8,i | 1 |

| energy due to edge deletion and its relation and its relation with distance energy | | Recent Technology And Engineering | | | ssue-2S10 | |
| --- | --- | --- | --- | --- | --- | --- |

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

| Title of the Paper | Name of Author | Title of journal | Year of publication | h-index | Number of citations excluding self citation | Institutional affiliation as mentioned in the publication |
| --- | --- | --- | --- | --- | --- | --- |
| "Physical and Mechanical Behaviour of Sida Acuta Fibre Reinforced Epoxy Composite at Different Fibre Loading | 1. Dr. Chandra Mohan. H. K | The Indian Institute of Metals – IIM 2018 - Springer | 2018 | 1 | 8 | Springer |

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

| Number of Faculty | International | National | State | Local |
| --- | --- | --- | --- | --- |
| Attended/Seminars/Workshops | 1 | 18 | 37 | 23 |
| Presented papers | 55 | 2 | 7 | Nill |
| Resource persons | Nill | Nill | 1 | Nill |

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## 3.4 – Extension Activities

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

| Title of the activities | Organising unit/agency/ collaborating agency | Number of teachers participated in such activities | Number of students participated in such activities |
| --- | --- | --- | --- |
| National Unity day | NCC | 2 | 30 |

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

| Name of the activity | Award/Recognition | Awarding Bodies | Number of students Benefited |
|---|---|---|---|
| Conference | Best paper | International Journal of Scientific Research Development | 1 |
| 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 activites | Number of students participated in such activites |
|---|---|---|---|---|
| NSS Day celebration | NSS | NSS Day celebration | 1 | 40 |
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## 3.5 – Collaborations

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

| Nature of activity | Participant | Source of financial support | Duration |
|---|---|---|---|
| NAIN | 18 | GOVT ORGANIZATION | 2 |
| No file uploaded. | | | |

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

| Nature of linkage | Title of the linkage | Name of the partnering institution/ industry /research lab with contact details | Duration From | Duration To | Participant |
|---|---|---|---|---|---|
| Institution – Industry for Internship | Internship | Helicopter Division, HAL, Bengaluru | 17/01/2019 | 15/02/2019 | 4 |
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**3.5.3** – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|---|---|---|---|
| "Nervio- Cloud Systems Pvt. Ltd" For setting up a private cloud | 27/03/2018 | setting up a private cloud | 60 |
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# CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

## 4.1 – Physical Facilities

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

| Budget allocated for infrastructure augmentation | Budget utilized for infrastructure development |
|---|---|
| 48989610 | 19316684 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|---|---|
| Campus Area | Existing |
| Class rooms | Existing |
| Laboratories | Existing |
| Seminar Halls | Existing |
| Classrooms with LCD facilities | Existing |
| Seminar halls with ICT facilities | Existing |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Existing |
| Value of the equipment purchased during the year (rs. in lakhs) | Existing |
| No file uploaded. | |

## 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 |
|---|---|---|---|
| LIBSUIT | Fully | 2 | 2019 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---|---|---|---|---|---|---|
| Journals | 189 | 18900 | 228 | 22800 | 417 | 41700 |
| | | | 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 |
|---|---|---|---|
| Subba Reddy D N | 1 | Youtude | 20/01/2018 |
| No file uploaded. | | | |

## 4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

| Type | Total Computers | Computer Lab | Internet | Browsing centers | Computer Centers | Office | Departments | Available Bandwidth (MBPS/GBPS) | Others |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Existing | 947 | 19 | 300 | 2 | 1 | 16 | 9 | 100 | 0 |
| Added | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Total | 947 | 19 | 300 | 2 | 1 | 16 | 10 | 100 | 0 |

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

<div align="center">

**110 MBPS/ GBPS**

</div>

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 |
|---|---|
| Ferrous and Non ferrous materials | https://www.youtube.com/watch?v=D2npWNlSqs8 |
| SJCIT INSTITUTIONAL REPOSITORY | https://sjcnotes.github.io/dept.html |

## 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 incurredon maintenance of physical facilites |
|---|---|---|---|
| 41900792 | 25762865 | 48989610 | 19316684 |

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)

> Annual maintenance and repair of the infrastructure is taken care by the college in a systematic manner. The repair and calibration of laboratory equipment is maintained by lab In charges and Lab Technicians. The equipment is calibrated by faculty member themselves and at the other times services providers are Consulted.

## CRITERION V – STUDENT SUPPORT AND PROGRESSION

### 5.1 – Student Support

5.1.1 – Scholarships and Financial Support

| | Name/Title of the scheme | Number of students | Amount in Rupees |
|---|---|---|---|
| Financial Support from institution | nil | 0 | 0 |
| Financial Support from Other Sources | | | |
| a) National | Distrcit Backward Classes, Chickballapur (OBC Below 1 Lakh Income )/DTE SCST | 1834 | 3947155 |
| b)International | nil | Nill | 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 |
|---|---|---|---|
| Soft Skill Development | 02/09/2019 | 750 | M/s ZESTECH |
| [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 passedin the comp. exam | Number of studentsp placed |
|---|---|---|---|---|---|
| 2018 | Soft Skill Development | 250 | 600 | 84 | 54 |
| **No file uploaded.** | | | | | |

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 |
|---|---|---|
| 7 | 6 | 90 |

## 5.2 – Student Progression

5.2.1 – Details of campus placement during the year

| On campus | | | Off campus | | |
|---|---|---|---|---|---|
| Nameof organizations visited | Number of students participated | Number of stduents placed | Nameof organizations visited | Number of students participated | Number of stduents placed |
| TATA CONSULTANCY | 106 | 54 | Sonuvision AetosTechnical Services | 2 | 2 |
| [View File](#) | | | | | |

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 | 8 | BE | MECHANICAL ENGINEERING | RVCE BANGALORE | MTECH |
| [View File](#) | | | | | |

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 | Nill |
| GRE | Nill |

| Civil Services | Nill |
|---|---|
| No file uploaded. | |

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

| Activity | Level | Number of Participants |
|---|---|---|
| kabaddi | south zone inters university kabaddi (women) tournament Bengaluru north zone | 12 |
| View File | | |

## 5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|---|---|---|---|---|---|---|
| 2018 | 1 Gold Medals | National | 3 | Nill | 1SJ16EC057 | MAHALKSHMI.C.N |
| View File | | | | | | |

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

? Active participation and contribution by alumni. ? An alumni meeting is conducted every year. ? They regularly interact with the students to create corporate awareness. ? Guest Lecture is conducted through alumni. ? Department wise meeting is also held at least once in a year. ? Assist the college in getting placement for the current students. ? Member of various bodies/committees of the college and contribute to Curriculum revision, Program Outcome revision etc.,

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

? Active participation and contribution by alumni. ? An alumni meeting is conducted every year. ? They regularly interact with the students to create corporate awareness. ? Guest Lecture is conducted through alumni. ? Department wise meeting is also held at least once in a year. ? Assist the college in getting placement for the current students. ? Member of various bodies/committees of the college and contribute to Curriculum revision, Program Outcome revision etc.,

5.4.2 – No. of enrolled Alumni:

209

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

An alumni meeting is conducted every year.

# 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)

> **Vision: SJCIT is committed to Quality Education, Training and Research. Mission: M1: Augmenting the supply of competent Engineers and Managers. M2: Building Engineers and Managers with value, Vision and Versatility. M3: Developing and Dissemination of new Knowledge and Insights.**

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 |
| --- | --- |
| **Examination and Evaluation** | **Development and Application Quality Benchmarks/Parameters for the various academic and administrative activities of the institution. ? Dissemination of information on the various quality parameters of higher education. ? Organization of workshops, seminars, and quality related themes and promotions of quality circles. Documentation of the various programs / activities leading to quality improvement. ? Acting as a nodal agency of the institution for quality related activities. ? Preparation of the annual quality assurance report (AQAR) to be submitted to NAAC based on the quality parameters.** |
| **Library, ICT and Physical Infrastructure / Instrumentation** | **Computerization of the SJCIT Library Information Centre ? SJCIT Library Information centre automated its housekeeping operations by using ? LIBSUIT: integrated Library automation software developed by SOFTAID Computers PVT LTD, Pune. ? Library created its resources Database and provided Online Public Access ? Catalogue (OPAC) through which users can be accessed from any of the computer, Connected in the LAN to know available resources and the status of the book. ? Central Library is subscribing online ebooks and ejournals databases as per the requirement of the institute and also VTU. (IP based access) ? This facility enables the staff and students to access elearning resources such as NPTEL Lectures, MIT Lectures etc.. SJCIT Library Information centre is part of Resources sharing Networks such as DELNET, (Developing Library Network) NDL (National Digital Library) etc.** |

| | |
|---|---|
| **Research and Development** | Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution The IQAC in coordination with DeanRD conducts meetings for sensitizing and promoting research climate in the Campus. The IQAC through Research, development and Consultancy Centre has sensitized the faculty to obtain research grants for quality research and publishing research findings in peer reviewed and high impact fact journals. |
| **Teaching and Learning** | For first year students Induction program 21 days will be conducted as per AICTE nouns. ? Refresher courses and bridge courses are conducted for first year and lateral entry students for the smooth academic transition towards Engineering pedagogy. ? Establishing the Course Plan for every subject well before the commencement of each semester along with the course hand outs which are made available to all students on the start of the academic year ? Teacher's study materials [soft copypower point/PDF presentation] are shared with students. ? Use of ICT in teaching learning process. ? 24X7 WiFi enabled campus providing for technology access. ? Overhead projectors in every classroom Teaching faculty and students are encouraged to use latest technology such as LCD, internet, NPTEL videos etc., in the teaching learning process ? Faculty members have been permitted to undergo Faculty Development Program (FDP) for acquiring subject exposure thereby the process of teachinglearning has been strengthened. |

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

| E-governace area | Details |
|---|---|
| **Administration** | All computers in the campus are connected to Internet. ? Antivirus software and Microsoft Licensed Software under Campus Agreement have been procured and supplied to departments of the College for installation in all desktop computers/ laptops purchased. |
| **Student Admission and Support** | Student orientation program is conducted at the beginning of every academic year. The program disseminates information on the various Student Support Services available in the |

college. ? The above information is also published in the college website and prospectus and notified to the students via notice boards and intranet also. ? Student grievancealleviation mechanisms like AntiRagging Committee, SC/ST Standing Committee are established in the college to support the students. ? Class committee meetings are conducted regularly to address the academic or other classroom activities of the students. ? Alumni meetings are conducted to guide the students in getting placed in top notch companies. ? Parents meetings are conducted by each department to get feedback from the parents. ? Lecture capturing service is enabled to capture the lecture in the classrooms and students are benefitted by retrieving the same.

## 6.3 – Faculty Empowerment Strategies

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

| Year | Name of Teacher | Name of conference/ workshop attended for which financial support provided | Name of the professional body for which membership fee is provided | Amount of support |
| --- | --- | --- | --- | --- |
| 2019 | Dr. Sidde gowda | Road safety and measures | SJCIT | 30000 |
| No file uploaded. | | | | |

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

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
| --- | --- | --- | --- | --- | --- | --- |
| 2019 | Methods of Computa tion inFluid Flows-An Industrial Approach | NIL | 28/01/2019 | 01/02/2019 | 18 | Nill |
| 2019 | Computer network using network simulators | NIL | 20/05/2019 | 24/05/2019 | 34 | Nill |
| [View File](#) | | | | | | |

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

| Title of the professional development programme | Number of teachers who attended | From Date | To date | Duration |
|---|---|---|---|---|
| Methods of Computation in Fluid Flows-An Industrial Approac | 11 | 28/01/2019 | 01/02/2019 | 5 |

View File

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

| Teaching | | Non-teaching | |
|---|---|---|---|
| Permanent | Full Time | Permanent | Full Time |
| 191 | 192 | 177 | 214 |

## 6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|---|---|
| Society Loan, PF, gratuity | ESi,PF,Group insurance | Medical Insurance |

## 6.4 – Financial Management and Resource Mobilization

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

Internal Financial Audits The internal audit will be done every month by Sri Adichunchanagiri Shikshana Trust authorized auditors as per rule. External Financial Audits Financial Year Auditor 20182019 J. Manjunatha Co.

### 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 |
|---|---|---|
| VTU TEQIP CELL | 300000 | FDP |

No file uploaded.

### 6.4.3 – Total corpus fund generated

| 26636931 |
|---|

## 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 | LIC | Yes | ISO |
| Administrative | Yes | LIC | Yes | ISO |

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

1)Student Support System 2) Parents meeting 3) Parent Teacher Association

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

| 1) Technical workshop to conduct lab as and when the syllabus changes 2) Refresher course on usage of software tools 3) Personality development program |
| --- |

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

| 1) Revised set of HR Policies for sourcing, recruitment, maintenance and retention. 2) Renovation and addition of physical and IT infrastructure, modernization of existing laboratories and establishing new laboratories in line with industry's requirements, establishment of centres of excellence (research laboratories) to provide a platform for research for both students and faculty. 3) Motivating and supporting entrepreneurial drive amongst students by establishing ABiC (Atria Business incubation Centre). 4) Working towards accreditation by NBA by reinforcing OBE system faculty are encouraged to innovatively improve the processes including evaluation processes to achieve attainment higher levels of course outcomes |
| --- |

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

| Year | Name of quality initiative by IQAC | Date of conducting IQAC | Duration From | Duration To | Number of participants |
| --- | --- | --- | --- | --- | --- |
| 2019 | NBA Awareness | 16/01/2019 | 16/01/2019 | 21/01/2019 | 54 |
| No file uploaded. | | | | | |

# CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

## 7.1 – Institutional Values and Social Responsibilities

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

| Title of the programme | Period from | Period To | Number of Participants | |
| --- | --- | --- | --- | --- |
| | | | Female | Male |
| Womens Day | 08/03/2019 | 08/03/2019 | 450 | 127 |

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 |
| --- |
| Solar Energy: As a green campus initiative to conserve the electric power in the campus, the institute has commissioned approximately 25460 KW for roof top solar PV plant in block IT and Academic block. Approximately 393 units of power is generated per month which is the saving in consumption of electric power. |

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
| --- | --- | --- |
| Ramp/Rails | Yes | 5 |
| Rest Rooms | 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 |
|---|---|---|---|---|---|---|---|
| 2019 | 1 | 1 | 09/08/2019 | 1 | Swacchta Pakhwada | Clean Environment | 40 |
| 2019 | 1 | 1 | 05/09/2019 | 1 | Green Drive(Tree plantation) on Engineers day | Plantation | 30 |
| 2019 | 1 | 1 | 26/08/2019 | 1 | Outreach program at old age home for health check up of residents | Old age health check up | 60 |
| 2019 | 1 | 1 | 21/09/2019 | 2 | NSS Volunteers will involve in the Abhiyana of Save the Government School | Save the Government School | 40 |

**No file uploaded.**

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

| Title | Date of publication | Follow up(max 100 words) |
|---|---|---|
| Academic Diary 2018-19 for all students | 13/08/2018 | A code of conduct for students is illustrated in the Academic Diary |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|---|---|---|---|
| Independence day | 15/08/2018 | 15/08/2018 | 153 |
| Karnataka Rajyotsava | 01/11/2018 | 01/11/2018 | 110 |
| Republic day | 26/01/2019 | 26/01/2019 | 123 |
| Womens day | 08/03/2019 | 08/03/2019 | 342 |

| International Workers day | 01/05/2019 | 01/05/2019 | 115 |
| Yoga day | 17/06/2019 | 21/06/2019 | 90 |
| No file uploaded. | | | |

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

**Swacch Campus Activities Plastic free campus**

## 7.2 – Best Practices

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

**7.2 Best Practices Describe at least two institutional best practices 1. Improving Teaching and Learning Process 2. Promotion of Research Innovations introduced during this academic year which have created a positive impact on the Functioning of the institution. Give details. ? Digitization ? Efile system ? Programs conducted based on Industry expectations which create significant improvements in students skill set that facilitate good placement. ? Induction program for first years students BEST PRACTICE 1: In a concrete attempt to make the campus relevant to the needs of the community and with a view to developing healthy contacts between the students and teachers [on a voluntary basis] on one hand and establishing a constructive linkage between the campus and the community on the other hand, the Institution has established a NSS [National Service Scheme] Unit. The Unit conducts regular NSS activities and special camping programmes. The Institution has been conducting various Community service programmes like Blood Donation Camps/Awareness programmes and activities from time to time thereby discharging its societal Commitment. Sl. No Event Description Date 1. Independence Day celebration 15082017 2. NSS orientation Programme 04102017 3. NSS Day celebration 04102017 4. Awareness rally on say no to crackers and yes to life 17102017 5. Blood Donation Camp 26/102017 6. vigilance awareness week 2017 04/11/2017 7. International women's week 2018 08032018 8. Blood Donation Camp 27032018 9. Free health check up camp 23042018 10. Tree plantation program 05062018 11. Independence Day celebration 15082018 12. NSS Special camp 15/08/201821/08/2018 13. NSS orientation Programme 04102018 14. NSS Day celebration 04102018 15. Awareness rally on say no to crackers and yes to life 17102018 16. vigilance awareness week 2018 03/11/2018 17. International women's week 2019 08032019 18. Blood Donation Camp 27032019 19. Free health check up camp 23042019 20. Free Health Camp for Drivers 15/05/2019 21. Tree plantation program 05062019 22. International Yoga day 2019 21/06/2019 23. Plastic Awareness at adopted Villages 28/07/2019 24. Village and House hold Survey 28/07/2019**

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

https://drive.google.com/drive/folders/1lexvJoXNCo4J3_SMPZjhN6mtbPyWd9ex

## 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

**7.2 Provide the Action Taken Report (ATR) based on IQAC planned the objectives for current year (201819) and its progress was monitored through action taken report monthly from all concerned persons. In its meeting these action taken reports were discussed and correction was done appropriately whenever it was required**

Provide the weblink of the institution

https://drive.google.com/drive/folders/1lexvJoXNCo4J3_SMPZjhN6mtbPyWd9ex

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

1. Introduction of New UG courses. 2. To apply for NBA ( CED, AE, ISE) 3. Enhancing academic excellence. 4. To improve the placements. 5. To apply for NIRF. 6. Enhancing social compatibility of the students by giving better opportunity of social interaction through activites of NSS and NCC. 7. To keep up the standards of the Institution which can be the reason for achieving A grade by NAAC.