



Yearly Status Report - 2018-2019

Part A

Data of the Institution

| | | |
|---|--|--|
| 1. Name of the Institution | | RNS INSTITUTE OF TECHNOLOGY |
| Name of the head of the Institution | | M K Venkatesha |
| Designation | | Principal |
| Does the Institution function from own campus | | Yes |
| Phone no/Alternate Phone no. | | 08028611880 |
| Mobile no. | | 9880867337 |
| Registered Email | | principal@rnsit.ac.in |
| Alternate Email | | mkvenkatesha@gmail.com |
| Address | | RNSIT, Vishnuvardhan Road, RR Nagar Post, Channasandra |
| City/Town | | Bangalore |
| State/UT | | Karnataka |
| Pincode | | 560098 |

| 2. Institutional Status | | | | | |
|---|-----------------|---|---------------------------------------|-------------|-------------|
| Affiliated / Constituent | | Affiliated | | | |
| Type of Institution | | Co-education | | | |
| Location | | Urban | | | |
| Financial Status | | private | | | |
| Name of the IQAC co-ordinator/Director | | G T Raju | | | |
| Phone no/Alternate Phone no. | | 08028611881 | | | |
| Mobile no. | | 9448308345 | | | |
| Registered Email | | gtraju1990@yahoo.com | | | |
| Alternate Email | | gtraju.cse@rnsit.ac.in | | | |
| 3. Website Address | | | | | |
| Web-link of the AQAR: (Previous Academic Year) | | https://www.rnsit.ac.in/NaacAqar2017-18.pdf | | | |
| 4. Whether Academic Calendar prepared during the year | | Yes | | | |
| if yes,whether it is uploaded in the institutional website: Weblink : | | https://rnsit.ac.in/rnsit_old/Academic%20Calendar.rar | | | |
| 5. Accrediation Details | | | | | |
| Cycle | Grade | CGPA | Year of Accrediation | Validity | |
| | | | | Period From | Period To |
| 1 | A | 3.17 | 2017 | 30-Oct-2017 | 30-Oct-2021 |
| 6. Date of Establishment of IQAC | | | 22-Jul-2016 | | |
| 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 | | |

| | | |
|---------------------------|-------------------|-----|
| NBA ACCREDITATION | 02-Nov-2018 3 | 93 |
| Academic Audit | 22-Aug-2019 35 | 192 |
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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 |
|--------------------------------|--------------------------|----------------|-----------------------------|--------|
| RNSIT/EC/EIE/EE E | FDP | TEQIP | 2019 3 | 100000 |
| RNSIT | Student Projects Funding | VTU | 2019 90 | 70000 |
| RNSIT/MBA | IMPRESS | ICSSR | 2019 500 | 260000 |
| RNSIT | 42nd Series SPP | KSCST | 2019 90 | 13000 |
| RNSIT/EC | Student Project Funding | BITES | 2019 2 | 30000 |
| RNSIT/EIE | YESIST | IEEE | 2019 2 | 70710 |
| RNSIT/Sports | Interzone activities | VTU | 2019 3 | 26362 |
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

35

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

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities during the year?

No

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

Updated PEOs, PSOs and POs in all departments

Streamlined Discipline at college and department levels

Easy access to study material

[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 | Achievements/Outcomes |
|--|--|
| undefined | undefined |
| To improve quality through academic audits. | Remarkable academic outcomes viz., faculty appraisal, results improvements, etc observed in every department |
| To Update PEOs, POs, PSOs in all departments | Updated and uploaded in the respective departments' web pages |
| To Streamline discipline at College and department levels. | Late coming reduced at all points with departments best practices reformulated. |
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14. Whether AQAR was placed before statutory body ?

Yes

| Name of Statutory Body | Meeting Date |
|------------------------|--------------|
| VTU | 15-May-2018 |

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

Yes

Date of Visit

02-Nov-2018

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2018

Date of Submission

15-Feb-2018

17. Does the Institution have Management Information System ?

Yes

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

Admission Module, Student Performance Analysis Module, Library Automation Module, Finance and Auditing module

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

Mechanism for curriculum delivery and documentation RNSIT is a VTU affiliated college wherein the University's prescribed scheme and syllabus is to be implemented. At RNSIT, the defined VTU syllabus for a theory and lab course across all semesters is executed in toto (100% syllabus coverage is done).
 Apart from syllabus coverage, in every subject some portions beyond the prescribed syllabus is covered. Action plan / Mechanism developed for effective implementation of the curriculum: Formation of administrative groups consisting of HoDs, Subject Leads, Class Teachers, Time Table Officers, etc. Subject Allotment: At the end of each semester. allotted to the teachers based on their previous experience, specialization, the individual interest shown, etc. Subject Preparation and Scrutiny: faculty to prepare the lesson plan, notes, presentations, etc. of the allotted subjects for the entire syllabus during the vacation. The academic material prepared by the staff is scrutinized/ reviewed by HoD/senior faculty and suitable feedback/ suggestions are provided. The prepared academic material is made available to the students. Lab Requirement: The labs are allotted with one Lab In-Charge and groups are made for each lab who go through the syllabus, takes stock of new requirements, replacements needed, servicing issues, etc. and submits a report to HoD for concerned action plan (calling quotations, purchase, etc.) during vacation. Also, the Lab In-Charge prepares / updates the lab manuals along with other group members. Preparation of RNSIT's Calendar of events in line with that of VTU calendar of events. Coverage of Syllabus: Follow-up by the Principal of the subject allotment carried out at the Department level. The entire syllabus is supposed to be covered by each staff with proportionate spreading out for the internals. IA Question Papers: The question papers are set to meet the Bloom's Levels. These question papers are scrutinized for the coverage of syllabus, break up of marks, difficulty level, etc. by the HoD, Principal and Director. Periodic feedback on the lesson plan, coverage of syllabus, Internal Assessment (IA) test conduction, entry of IA marks, dispatch of progress reports to parents, etc. Corrective measures are initiated on the basis of feedback received, such as arranging tutorial classes for particular subjects, extra classes for faster coverage and in cases where sufficient portion is covered rearrangement of the time table, etc. Academic Audit: To assess the effectiveness of Curricular implementation plan, the IQAC of RNSIT reviews the academic preparation, orientation of faculty towards the subject, understanding of the curriculum requirements, teaching practices adopted by the faculty for each subject, previous appraisal and percentage results obtained. Based on this, specific aspects of the action plan to be contemplated are revisited. Analysis of final exam results and initiating suitable actions for continuous improvement.

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 |
|---|-----------------|-----------------------|----------|--|-------------------|
| No Data Entered/Not Applicable !!! | | | | | |

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---|--------------------------|-----------------------|
| No Data Entered/Not Applicable !!! | | |
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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 |
|----------------------------------|--------------------------|---|
| BE | | 05/09/2018 |

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

| Certificate | Diploma Course |
|---|----------------|
| No Data Entered/Not Applicable !!! | |

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 |
|---|----------------------|-----------------------------|
| Automation Technology | 04/07/2019 | 66 |
| Web Development | 04/07/2019 | 130 |
| IoT | 09/07/2019 | 30 |
| LabVIEW Graphical Programming and Data Acquisition and sensor Interface | 09/07/2018 | 90 |
| Computer Networks Laboratory Using NS3, NCTUNS and C | 23/01/2018 | 90 |
| Full Stack Web Development | 09/07/2018 | 130 |
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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 | | 670 |
| MBA | | 186 |
| MCA | | 123 |
| Mtech | | 20 |
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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 |
| <p>The Principal initiates dialogue and discussion with various stakeholders through different committees, Clubs/Associations, Alumni and Parents and conveys the management about the feedback, views and sentiments of the stakeholders for effective decision-making. In each year, at the end of each semester and in the beginning, faculty meeting is conducted and feedback is obtained for streamlining and improving academic activities. Students Feedback Class representatives provide the feedback to HoDs through their class teacher on facilities, infrastructure maintenance, course material, conduction of events, etc. Orientation programmes held by the departments provide a forum for feedback collection. At the end of the semester, for each course, students on-line feedback through OTAS to ensure free and fair response is taken in a structured format consisting of 10 major parameters pertaining to teaching-learning process. During the middle of the semester, feedback is obtained for each course from class teachers, coordinators, HoDs to bring in any mid-course correction needed. The responses are subject to Data Processing and the results are analyzed by the HoDs, Principal, and the Director. Feedback is communicated to the faculty members concerned wherever necessary, for any remedial action and improvement. The students feedback is a key parameter and due weightage is given to appraisal of faculty. Opportunities are provided to faculty members to improve their methodology, skills, temperament/ attitude and acceptance by student community. Faculty members with appraisal lesser than 60 percent have been asked to improve or required to look for better prospectus elsewhere. Students feedback on value added programmes at the end of the programme. Based on their response changes necessary in organizing such events are suitably planned. Alumni and Parents Feedback Online feedback through Google forms Departments have created group e-mail ids for regular interaction with and Program Outcome surveys from the alumni. This helps in the indirect assessment of the course outcomes, frame new syllabus inline with industry requirements, etc. The regular parents and alumni meet arranged by respective departments helps in feedback collection. Employers feedback The feedback is obtained through the telephonic conversation, filled-in survey forms and personal discussion with the HR Personnel and other senior officials of the organization in which students are placed. This feedback is used to frame training skill development courses for improving the placement performance of students. Feedbacks used for significant changes The feedback from the students helps to understand the strengths and weakness if any in the teaching-learning process and to take remedial measures like arranging guest lectures, special classes and industrial visits. The feedback from the alumni, parents and employers helps to improve the quality of education and skill impartation and improve the competency level of the students/faculty members. Community feedback helps to improve and expand the services rendered to the neighborhood community. The information gathered is discussed in Governing Council Meetings for continuous improvements.</p> |

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 | | 900 | 945 | 736 |
| Mtech | | 36 | 40 | 13 |
| MBA | | 180 | 190 | 170 |
| MCA | | 60 | 65 | 55 |
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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 | 736 | 238 | 150 | 66 | 213 |

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 |
|----------------------------|---|-----------------------------------|----------------------------------|----------------------------|---------------------------------|
| 213 | 213 | 5 | 70 | 2 | 5 |

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

Counselling and mentoring services with academic adviser is provided to all students across all departments by faculty members. The highlights of this process at RNSIT are given below. Each faculty is assigned a group of students. The performance is monitored regularly and periodic counselling is given to those who do not fare well. If sufficient progress in terms of attendance and academic performance is not observed, reports are also sent to the HoD for further counselling. Apart from academic performance, behavioural traits such as Late coming, Dress Code, Regularity and other discipline related issues are tracked by the faculty counsellor. Mentors offer advice and guidance in academic matters. They assist the mentee in finding college resources such as joining technical associations, participating in extra-curricular activities, preparing for paper presentations, mini projects, seminars which involves identification of topic to materials required, notes for certain subjects, etc. They assist students in choosing course work like change of branch, electives, internship, external project, etc. that meets their needs and interests without affecting their performance in the main subject programs. The mentoring services routinely provided at RNSIT can be categorized under three areas i. University, College and Departmental Level Mentoring Services. Number of students benefitted. 100 percent. Explaining the working dynamics of both formal and informal systems within the institution like awareness through orientation programmes. This involves basics such as filling out registration forms both online for VTU and hard copy at Department level, getting permission for missing classes due to varied needs, etc. Mentors also schedule introduction or meetings with faculty and key administrators for specific requirements such as scholarship issues, hostel issues, lab issues, etc. Mentors also inform the first semester students of perceptions about departmental culture such as conducting mini project expos, department fests, department newsletters, etc. and its evolution.

ii. Personal Issue Mentoring Services. Number of students benefitted. 20 to 30 percent Serving as an advocate for the student, especially in resolving any difficulties or conflicts that may arise. Providing an empathic ear to professional and/or personal problems and being ready with referrals to professional counselors, if needed. Discussing issues related to students academic progress. Suggesting alternate notes, workshops, etc., that can expand students learning experience. iii. career Development Mentoring Services. Number of students benefitted. 50 to 60 percent Provided by the allotted mentor or HoD or Senior Professors or Placement Officer or Principal or Director Helping students articulate and develop true career goals. These goals may be in flux as

new opportunities or knowledge is revealed in classes. Providing feedback to the student regarding her or his self assessment, long-range career goals as well as immediate needs and responsibilities. Explaining the necessity for attending placement training classes and the advantages of taking up professional tests such as Cocubes, AMCAT, etc. Recommending that the student attend seminars, emphasizing good writing skills, etc. Advising the student on which jobs might be most advantageous to apply for, how to properly apply for jobs, and proper behavior during interviews.

| | | |
|--|-----------------------------|-----------------------|
| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
| 3853 | 213 | 18 |

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 |
| No Data Entered/Not Applicable !!! | | | | |

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 |
|---------------|---|---------------------|--|
| 2018 | M K VENKATESHA | Principal | VTU TWENTIETH FOUNDATION DAY AWARD |
| 2018 | MAHADEVA M | Assistant Professor | BEST YOUNG FACULTY AWARD FROM DK INTERNATIONAL RESEARCH FOUNDATION |
| 2018 | Dr. Chetana Hegde | Associate Professor | Topper Award from NPTEL online Certification |
| 2018 | Ramasatish K V | Assistant Professor | Inspire Faculty Partnership Level 2018 certificate |
| 2018 | Nagesh B S | Assistant Professor | Inspire Faculty Partnership Level 2018 certificate |
| 2018 | Dr. Rajani Narayan | Associate Professor | Nammura Saadaku - recognition by Pragati TV Channel |
| 2018 | MAHADEVA M | Assistant Professor | IARDO AWARD MOST PROMISING RESEARCH AWARD |
| 2018 | VIPULA SINGH | Professor | JURY APPRECIATION AWARD IN BITES XCELERATOR STUDENT PROJECT AWARDS BXSPA |
| 2019 | DR. SREENIVASAN THIRUMALA | Professor | EXCELLENCE IN TEACHING AWARD |

| | | | |
|-------------------|----------------------|---------------------|---|
| 2019 | DR. U BHOJANNA | Professor | ACADEMIC ACHIEVEMENT |
| 2018 | DR. SMITHA N | Assistant Professor | BEST PAPER PRESENTER |
| 2018 | DEVARAJU B M | Assistant Professor | BEST PAPER PRESENTER |
| 2019 | DR. MADHURA GANGAIAH | Assistant Professor | FELICITATION FOR RESEARCH IN CANCER DETECTION |
| 2019 | ROOPA NAYAK | Assistant Professor | BEST PAPER AWARD |
| 2019 | DR. MALLIKARJUN H M | Assistant Professor | KANNADA RAJYOTSAVA RESEARCH AWARD |
| No file uploaded. | | | |

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 | CSE, ECE, ISE, ME, EEE, EIE, CV | EVEN SEMSTEER 2018-19 | 28/06/2019 | 22/08/2019 |
| Mtech | CSE, VLSI | EVEN SEMESTER 2018-19 | 11/07/2019 | 26/09/2019 |
| MBA | MBA | EVEN SEMESTER 2018-19 | 03/07/2019 | 04/09/2019 |
| MCA | MCA | EVEN SEMESTER 2018-19 | 10/07/2019 | 24/09/2019 |
| No file uploaded. | | | | |

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

Every Department has the following procedure to ensure effective conduction of internal assessment or tests. Internal tests are scheduled according to the dates mentioned in the calendar of events. Test or IA co-coordinator is assigned the responsibility of preparing the test time table, monitoring of the test process. The subject lead or expert of the respective subjects reviews the question paper to ensure the quality of the question paper. Course Outcomes mentioned in the syllabus prescribed by the University is discussed among staff and the subject leads and modified by the course coordinator if required. Regular talks are conducted in the college staff meetings to create awareness on Blooms Taxonomy levels. Lesson plan is framed by every subject teacher in accordance with the available number of classes mentioned in the calendar of events for effective portion coverage. This process is monitored by the subject lead or HoD regularly. Quality checks of the internal Question paper are initiated at different levels- Subject lead, HoD and IQAC. Learning levels and COs are mentioned in the test question papers. Question papers are scrutinized to see the coverage of syllabus, break up of marks, difficulty level, etc by the subject lead or HoD. Evaluation Blue print and rubrics are developed for every course including lab test, project and seminars. The valuation is to be completed, valued blue books shown to students, marks entered in the data base

and progress reports are sent to parents in the prescribed time limit.

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

At the college level, in sync with the VTU Academic Calendar the calendar of events is prepared. The RNSIT Calendar of Events is prominently displayed on all notice boards and distributed to students at the beginning of the semester. The academic calendar prepared defines the schedule for various activities such as 1. Commencement and Closure of Classes 2. List of Holidays 3. Internal Assessment Test Schedule 4. Project Presentation or Open House or Assignment Submission or Seminars or Personality Development Program 5. Techno-cultural or Sports events, etc. 6. Final Internal Lab Assessment or Test 7. Dispatch of Progress Reports to Parents 8. Based on the information provided by 1 and 2 schedules listed above, teachers estimate number of classes available during the semester and appropriately prepare the lesson plan. 9. The planning and organizing of various co-curricular and extracurricular activities and festivals like- Independence Day, Republic Day, Rajyostava, Ganesha Chaturthi, Dandiya, Ayudha Pooja, Ramanavami, etc. are celebrated by the college, by involving staff, student cultural bodies. 10. Minor changes in the calendar of events are informed through Circulars to all Departments. At the Department level, the Department Calendar of events is prepared. It includes activities planned for the semester including cycle wise and final lab internals, industrial trips to be arranged, conduction of events like guest lectures, departmental fest, etc. In between the tests and at the end of the semester, academic audit checks the adherence of the planned activities specified in the Department Calendar of events.

2.6 – Student Performance and Learning Outcomes

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

<https://www.rnsit.ac.in/>

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 |
|----------------|----------------|--------------------------|---|---|-----------------|
| CSE | BE | | 131 | 124 | 95 |
| ISE | BE | | 126 | 115 | 91 |
| ECE | BE | | 204 | 188 | 92 |
| EEE | BE | | 65 | 56 | 86 |
| EIE | BE | | 53 | 51 | 96 |
| ME | BE | | 177 | 175 | 99 |
| CIV | BE | | 61 | 58 | 95 |

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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)

www.rnsit.ac.in

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 |
|--|----------|----------------------------|------------------------|---------------------------------|
| Projects sponsored by the University | 0.5 | VTU | 0.7 | 0.7 |
| Students Research Projects (Other than compulsory by the University) | 0.5 | KSCST | 0.13 | 0.13 |
| Minor Projects | 3 | BITES | 0.3 | 0.3 |
| Major Projects | 3 | ICSSR | 2.75 | 2.75 |
| Minor Projects | 3 | YESIST | 0.7 | 2.22 |
| Interdisciplinary Projects | 1 | VTUTEQIP | 1 | 0.7 |

No file uploaded.

3.2 – Innovation Ecosystem

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

| Title of workshop/seminar | Name of the Dept. | Date |
|--|-------------------|------------|
| National Science Day | Physics | 28/02/2019 |
| Faculty Development Programme on "Machine Learning" | CS and IS | 19/07/2019 |
| GASOLINE / ELECTRIC FORMULA RACE CAR DESIGN DEVELOPMENT" design and developed the SUPRA / F5 CAR | ME | 22/01/2019 |
| NEW PRODUCT DEVELOPMENT USING CREO" and "INTEROPERABILITY ON STRUCTURAL AND ARCHITECTURAL ELEMENTS USING AECOSim | ME and Civil | 03/05/2019 |
| VTU TEQIP 1.3 sponsored Two-days Faculty Development Programme on "IoT Industrial Applications - Frontend and Backend Co-design" | ECE,EEE and EIE | 11/03/2019 |
| 2-Day FDP on Web Technologies and its Application | CS | 23/07/2018 |
| 3 day FDP on Futuristic Materials and their | ME | 22/07/2019 |

| | | |
|--|--------|------------|
| applications | | |
| 2 day FDP on Web Technology and its applications | CS, IS | 23/07/2019 |
| 3 day workshop on design and assembly of 2D plotter and CNC milling machines | ME | 21/03/2019 |
| 2 day FDP on Big data and HAD | CS, IS | 30/01/2019 |

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 |
|---|--|---|---------------|----------|
| Indoor Pollution Monitoring And Alerting System | Nisha Prabhu, Ragini, Spoorthy, Sahana | 42nd Series of SPP, KSCST | 27/03/2019 | Students |
| Design and Development of Siamrouba Seed Shelling Machine | Shashank, Sai Varun, Tejas, Vijeth Kumar | 42nd Series of SPP, KSCST | 27/03/2019 | Students |
| Internship | Akshay Krishana | Neonapal Intelligent Solutions Limited | 08/05/2019 | Student |
| Automatic Helmeteless Rider Detection using Deep Learning | Akshay Krishna, Akhilesh V, AnimithAich and Akanksha | BITES | 15/08/2019 | Student |
| Ultrasonic Smart Stick for Visually impaired | Varun Shilesh, Abhishek, Akshaj | IEEE YESIST12 held on September 8th and 9th September 2019 | 08/09/2019 | Students |
| ESV Prototype | Aditya Chippalakatti | 6th Electrical Solar Vehicle Championship held at Chandigarh University | 08/05/2019 | Students |
| Recognizing Set Of Human Activities From Video Dataset Using Machine Learning | Akaash Hegde, Akshay Sudhir, Hitesh Rao, Mithun B V | 41st Series of SPP, KSCST | 12/05/2018 | Student |
| Cross Layer and Management plane integration approach for | Dr. G T Raju | IEEE International Conference on Electrical, Electronics, | 14/12/2018 | Teacher |

| | | | | |
|--|-------------------|---|------------|---------|
| Detection and Prevention of Malicious Activities in WSN | | Communication, Computer Technologies and Optimization Techniques ICEECOT-2018 | | |
| DETECTION OF MENTAL HEALTH STAGES OF ADOLESCENT FEMALE STUDENTS USING EEG SIGNAL PROCESSING IN SOUTH BENGALURU GOVT. SCHOOLS | AKSHATHA V | 41st Series of SPP, KSCST | 12/05/2018 | Student |
| EFFECTIVE POWER UTILISATION USING DC SUPPLY BASED RESIDENTIAL WIRING AND DISTRIBUTION | PRAVEEN KUMAR M S | 41st Series of SPP, KSCST | 12/05/2018 | Student |
| View File | | | | |

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 |
|---|------|--------------|----------------------|--------------------|----------------------|
| No Data Entered/Not Applicable !!! | | | | | |
| No file uploaded. | | | | | |

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 |
|---|-------------------------|
| Electronics and Communication Engineering | 7 |
| Instrumentation Technology | 3 |
| Computer Science and Engineering | 9 |
| Master of Business Administration | 2 |
| Physics | 1 |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---------------|-------------------------------------|-----------------------|--------------------------------|
| International | Information Science and Engineering | 27 | 1.2 |

| | | | |
|---------------------------|---|----|------|
| International | Electronics and Communication Engineering | 28 | 1.25 |
| International | Computer Science and Engineering | 44 | 3.73 |
| International | Electronics and Instrumentation Engineering | 7 | 2.4 |
| View File | | | |

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

| Department | Number of Publication |
|---|-----------------------|
| Information Science and Engineering | 27 |
| Electronics and Communication Engineering | 28 |
| Computer Science and Engineering | 44 |
| Mechanical Engineering | 10 |
| Electronics and Instrumentation Engineering | 7 |
| Civil Engineering | 7 |
| MBA | 14 |
| MCA | 16 |
| Maths | 19 |
| Mechanical | 10 |
| No file uploaded. | |

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 |
|------------------------------------|----------------|------------------|---------------------|----------------|---|---|
| No Data Entered/Not Applicable !!! | | | | | | |
| View File | | | | | | |

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 |
|---|--------------------------------|---|---------------------|---------|---|---|
| Manoglanis tara - Emotional Wellness Phases Prediction of Adolescent Female | Mallikarjun H M, P Manimegalai | Current Signal Transduction Therapy (SCOPUS), Publisher: BENTHEM SCIENCE, DOI:10.2174 | 2019 | 6 | 7 | RNSIT |

| | | | | | | |
|--|--|--|------|---|---|-------|
| Students by using Brain waves | | /157436241 4666190703 151853 Vol:14, pp: 1-9, July 2019 | | | | |
| Novel Delay-Dependent Stability Condition for Mixed Delayed Stochastic Neural Networks with Leakage Delay Signals | Dr Padmanabhan S With P Baskar and M Syed Ali | International Journal of Computer Mathematics, Volume 96, Issue 6 (2019), pp 1107-1120, Published online: 21st Mar 2018. (SCI) | 2019 | 6 | 3 | RNSIT |
| Exponential passivity for uncertain neural networks with time-varying delays based on weighted integral inequalities | Dr Padmanabhan S With V. Umesh, S. Saravanan and M Syed Ali | Neurocomputing, Volume 314, No. 7, November 2018, 429-436. (SCI) | 2019 | 7 | 0 | RNSIT |
| A Comparison of V/f and Field Oriented Control of Three Phase Induction Motors Employed in Load Sharing | Roopa Nayak, Dr. Andhe Pallavi | IJCSE, Vol.07, Issue.13, pp.49-56, E-ISSN: 2347-2693, May-2019 | 2019 | 7 | 0 | RNSIT |
| Novel Technique for Classification of Lung Nodules Using Deep | Dr. Bhavani Shankar K, Dr. M V Sudhamani | Journal of biomedical and pharmacology Journal 2019 | 2019 | 7 | 9 | RNSIT |

| | | | | | |
|-------------------|--|--|--|--|--|
| Learning Approach | | | | | |
| 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 | 120 | 45 | 10 | 10 |
| Presented papers | 115 | 50 | 2 | 15 |
| No file uploaded. | | | | |

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 |
|---|---|--|--|
| Plantation Swachhatha Drive @ RNSIT behalf of GANDHI JAYANTHI 01/10/2019 | PRERANA-NSS Team | 3 | 25 |
| SARASWATHI POOJA 4/10/2019 | PRERANA-NSS Team. | 50 | 65 |
| Teachers and Engineers Day 20/09/2019 | PRERANA-NSS Team. | 200 | 10 |
| North Karnataka Flood Relief fund -Students Drive @RNSIT Campus 10/08/2019 | Prerana-NSS Team in Association with YRCS-RNSIT | 5 | 500 |
| GENEVA Convention Day and Induction Programme Student Drive @ RNSIT Campus 10/08/2019 | Prerana-NSS Team in Association with YRCS-RNSIT | 8 | 465 |
| ADDICTION FREE Day - Students Drive @ RNSIT Campus 2/02/2019 | PRERANA-NSS Team. | 5 | 85 |
| World Environment Day 05/06/2019 | PRERANA-NSS Team. | 6 | 20 |
| Shri Rama Navami Pooja 13/04/2019 | PRERANA-NSS Team. | 200 | 1000 |
| April Cools Day 1/04/2019 | Youth Red Cross Society (YRCS-RNSIT) NSS-RNSIT | 4 | 50 |
| International Women's Day | NSS -RNSIT, Women Welfare Unit | 200 | 30 |

| | | | |
|---|---|-----|-----|
| 8/3/2019 | | | |
| Blood Donation Camp 21/02/2019 | NSS -RNSIT, Lions Club Bengaluru South Blood banks associated Lions BGS Global, Sushrutha Red Cross, Rashtrrothana | 22 | 492 |
| 1 - Week Health Camp,15/7/2018 to 21/7/2018 | NSS - RNSIT and LVP Diagnostic, Channasandra, Bengaluru | 45 | 30 |
| Ganesha Pooja and Prasadam Distribution, 28/8/2018 | NSS - RNSIT | 200 | 999 |
| Old age home Visit in Uttarahalli Village, Bengaluru. 25/12/2017 | NSS -RNSIT | 25 | 2 |
| Donation Drive for Physically disabled people, 31/3/2017 | CSR Unit Civil Dept. and NSS - RNSIT | 20 | 150 |
| Women Empowerment awareness skit, 31/3/2017 | CSR Unit Civil Dept. | 20 | 150 |
| Fire safety program 31/3/2017 | CSR Unit Civil Dept., NSS- RNSIT and Fire Fighting Dept., Banashankari Bengaluru | 20 | 150 |
| Helping Hearts Anti- drug walkathon (15/12/2018) | G Group and Helping Hearts, Bengaluru | 1 | 4 |
| View File | | | |

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 |
|---|--|--|------------------------------|
| Blood Donation Festival Recognition | Certified and Appreciated NSS unit, Principal, Staff and Students of RNSIT | Lions Club Bengaluru South, BGS Global Hospital, Sushrutha Blood Bank, Red Cross Blood Bank, Rashthrothana Blood Bank | 470 |
| 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 |
|--|---|--------------------------------|--|--|
| ADDICTION FREE Day - Students Drive @ RNSIT Campus 2/02/2019 | YRCS, NSS | ADDICTION FREE Day | 10 | 85 |
| Swachh Bharat | NSS - RNSIT | Swachh Campus event, 7/10/2017 | 3 | 20 |
| International Yoga Day | NSS - RNSIT | Yoga Day, 21/6/2018 | 10 | 30 |
| No file uploaded. | | | | |

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 |
|------------------------------------|-------------|-----------------------------|----------|
| No Data Entered/Not Applicable !!! | | | |
| 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 |
|-------------------|----------------------|---|---------------|-------------|--|
| Project Work | Final year projects | Gipzonics Techno Labs | 01/02/2018 | 05/04/2018 | Nisarga G, Nisarga J, Pramodh Kumar M, Prasanna F Naik |
| Internship | Internship | Bosch Rexroth Center of Excellence | 04/07/2019 | 03/08/2019 | 66 students |
| Internship | Internship | GTTC Limited | 04/07/2019 | 03/08/2019 | 51 students |
| Internship | Internship | Nash Limited | 04/07/2019 | 03/08/2019 | 30 students |
| Internship | Internship | TechiAIDE | 04/07/2019 | 03/08/2019 | 30 students |
| Internship | Internship | Vision Digital India | 04/07/2018 | 03/08/2019 | 50 students |
| Internship | Internship | The Valley BootCamp | 04/07/2019 | 03/08/2019 | 45 students |
| Internship | Internship | Fiabilite Solutions | 04/07/2019 | 03/08/2019 | 21 students |

| | | | | | |
|--------------|---------------------|---|------------|------------|--|
| Project Work | Final year projects | NEUTRINOS Solutions Pvt Ltd. | 14/02/2018 | 10/04/2018 | Sudhanva Harish, Sumukh M S, Suabhi S Narayan |
| Project Work | Final year projects | ROBERT BOSCH | 02/02/2018 | 16/04/2018 | Pavan B Garadi, Sai Bhargav, Harishesh J K |
| Project Work | Final year projects | ITIE Knowledge Solutions and Sarga Technologies | 13/02/2018 | 19/04/2018 | Pavan M, Megha M S, Namitha L, Nikhil B Gowda |
| Project Work | Final year projects | CDAC, Bengaluru | 17/01/2018 | 22/05/2018 | Abhishek S K, Adarsh M Kashyap, Anush N |
| Project Work | Final year projects | CDAC, Bengaluru | 17/01/2018 | 22/05/2018 | Kusuma R, Deepthi B |
| Project Work | Final year projects | CDAC, Bengaluru | 17/01/2018 | 22/05/2019 | Dheeraj V, Aditya D S, Manjunath S |
| Internship | Internship | HPE | 06/02/2018 | 07/05/2018 | Prateik |
| Internship | Internship | GE Digital | 06/02/2018 | 07/05/2018 | Varun, 4th year ECE Dept. |
| Internship | Internship | Yellow Messenger | 06/02/2018 | 07/05/2018 | Anil, 4th year ECE Dept. |
| Internship | Internship | Dev Tools | 06/02/2018 | 10/05/2018 | Vishwas, Kanthesh, Sandesh, 4th year ECE Dept |
| Internship | Internship | Texas Instruments | 20/02/2018 | 14/05/2018 | Harish Devadiga, Robin Kumar, Sharath C R, Divij Ramesh Nalge, Meghana G M, 4th year ECE Dept. |
| Internship | Internship | byjus | 06/02/2018 | 20/05/2019 | Ankita, Chaya, Rahul, Sawan, 4th year ECE Dept. |
| Internship | Internship | VI Solutions | 12/02/2018 | 08/05/2018 | 94 students |

| | | | | | |
|---------------------------|---------------------|-----------------------------|------------|------------|----------------------|
| Internship | Internship | Mitsubishi | 07/02/2018 | 03/05/2018 | 25 students |
| Internship | Internship | E-Construct Design | 07/07/2018 | 04/08/2018 | Students |
| TOTAL STATION PROJECT | Extensive Surveying | Seven Crafts Group | 21/01/2018 | 31/01/2018 | Students and Faculty |
| Internship | MOU | Techie Aid Valley boot Camp | 01/07/2018 | 31/07/2019 | Students |
| View File | | | | | |

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 |
|--------------------------------------|--------------------|---|---|
| INDUSTRIAL TECHNOLOGIES | 30/05/2019 | INTERNSHIP, TECHNICAL TRAINING, WORKSHOPS | 13 |
| VI SOLUTIONS | 30/05/2019 | INTERNSHIP, TECHNICAL TRAINING, WORKSHOPS | 120 |
| FIABILTE NETWORK SOLUTIONS PVT. LTD. | 30/05/2019 | INTERNSHIP, TECHNICAL TRAINING, WORKSHOPS | 32 |
| BOSCH REXROTH COE | 30/05/2019 | INTERNSHIP, TECHNICAL TRAINING, WORKSHOPS | 37 |
| View File | | | |

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 |
|--|--|
| 1600 | 1954.97 |

4.1.2 – Details of augmentation in infrastructure facilities during the year

| Facilities | Existing or Newly Added |
|--|-------------------------|
| Class rooms | Newly Added |
| Laboratories | Newly Added |
| Seminar Halls | Newly Added |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Newly Added |
| 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 | Nature of automation (fully | Version | Year of automation |
|------------------|-----------------------------|---------|--------------------|
|------------------|-----------------------------|---------|--------------------|

| | | | |
|----------|---------------|-----|------|
| software | or partially) | | |
| ADSTOCK | Partially | 1.1 | 2018 |

4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---------------------------|----------|---------|-------------|---------|-------|---------|
| | | | | | | |
| Text Books | 28107 | 8449067 | 565 | 252511 | 28672 | 8701578 |
| Journals | 12 | 31412 | 0 | 0 | 12 | 31412 |
| e-Journals | 5910 | 2438250 | 7400 | 2860250 | 13310 | 5298500 |
| Digital Database | 1 | 1 | 1 | 1 | 1 | 1 |
| Library Automation | 1 | 1 | 1 | 1 | 1 | 1 |
| Weeding (hard & soft) | 50 | 0 | 65 | 0 | 115 | 0 |
| 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 |
|---------------------|---------------------------------|---------------------------------------|-----------------------------|
| ANDHE PALLAVI | SEMICONDUCTOR MEMORIES - 15CS44 | NPTEL-VTU-EDUSAT | 25/07/2018 |
| ANDHE PALLAVI | I/O INTERFACING | NPTEL-VTU-EDUSAT | 20/07/2018 |
| ANDHE PALLAVI | 16 BIT MEMORY INTERFACING | NPTEL-VTU-EDUSAT | 19/07/2018 |
| ANDHE PALLAVI | FEATURES OF 8255 | NPTEL-VTU-EDUSAT | 24/07/2018 |
| SUMATHI S | TIME RESPONSE ANALYSIS | VTU ESHIKSHAN | 16/04/2019 |
| UMA S V | BASIC ELECTRONICS | VTU ESHIKSHAN | 18/02/2019 |
| 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 | 1326 | 34 | 34 | 1 | 1 | 1 | 9 | 120 | 0 |
| Added | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1327 | 34 | 34 | 1 | 1 | 1 | 9 | 120 | 0 |

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

| |
|----------------|
| 120 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 |
| EDUSAT / E-SHIKSHANA | https://www.rnsit.ac.in/cse.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 incurred on maintenance of physical facilities |
|--|--|--|--|
| 2000 | 2305.17 | 500 | 694 |

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)

At RNSIT, the procedures and policies for maintaining and utilizing various facilities are well defined and periodically updated based on the feedback received from the various stakeholders. The available facilities for Curricular and Co-curricular Activities include spacious, well furnished classrooms equipped with teaching aids black, White, Ceramic Green board, multimedia projectors, Podium, etc. Technology Enabled Learning Spaces encompass Library, Separate Browsing center for internet access, Departmental libraries, WiFi zones, Bosch-Rexroth center of excellence, Hi tech labs, EDUSAT Hall, etc. Seminar Halls in every block are well equipped with modern amenities such as overhead and LCD projectors, audio visual aids such as computer and public address system. Laboratories catering to the VTU syllabus and beyond are established in every department. Facilities are provided for various Sports activities, Outdoor and Indoor Games, Gymnasium, NSS, Cultural Activities, Health Centre, Canteens, Bank, Temple, etc. Feedback Collection The feedback on class room infrastructure, library, labs, canteen, playground, internet facility, etc. is collected in numerous ways at different points of time as detailed below. i. The feedback on facilities is collected from every student every semester as a part of their online OTAS. ii. The anonymous feedback is also received through HELP BOX located in every of the academic block. iii. Feedback or complaints requiring immediate addressing are done through the register entry at the maintenance section. Feedback Analysis The feedback given by the students during OTAS is consolidated and analysed immediately after the appraisal entry. The feedback through HELP BOX is collected and analysed by the Feedback Committee headed by Professor Shridhara of ECE Department twice every month. The feedback through the maintenance register is addressed immediately. Corrective Measures In HoDs meeting the corrective actions are discussed and fine-tuned. After the redressal, the recording of the action carried out is recorded and attested by the HoD or senior faculty member or Principal. Based on Students feedback the following facilities were provided during the last year i. Additional Library working hours. ii. Additional coaching classes were arranged for first year subjects. iii. Extension of Internet Facility, WiFi. iv. Improvement in Academic activities. v. Changes in Hostel Food Menu. vi. one week Hostel fest vii. Certification programs. viii. Industry visits, formation of students clubs. ix. Better security mechanism CCTV surveillance. x. Additional infrastructure facilities expansion of sports ground, Library space, etc. Suggestion book is maintained at the RNSIT Library to get feedback from the users and also from visiting dignitaries. In the semester end feedback, the students remarks on the infrastructure facility including library is taken. Also, the library usage patterns obtained from different sections like issue, walkins, e resource logins, renewals, etc. help in fine tuning the library operations. Suggestions related to add Books, Question papers, relevant study

materials are given utmost priority and most of the request processing of syllabus books is carried out at the earliest. All requests, suggestions and recommendations from Students, Faculty, HoDs, Principal, Director are considered and necessary resources are added to improve the library service.

<https://www.rnsit.ac.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 | Merit Incentives | 9 | 150000 |
| Financial Support from Other Sources | | | |
| a) National | Fee Concession | 1120 | 32575660 |
| b) International | Jandk | 12 | 675970 |
| No file uploaded. | | | |

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

| Name of the capability enhancement scheme | Date of implementation | Number of students enrolled | Agencies involved |
|---|------------------------|-----------------------------|---------------------|
| Non-Technical Training | 05/02/2019 | 557 | seventh sense |
| Non Technical Training | 07/02/2019 | 557 | Universal Education |
| No file uploaded. | | | |

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 |
|------------------------------------|--------------------|--|--|--|---------------------------|
| No Data Entered/Not Applicable !!! | | | | | |
| 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 |
|---------------------------|--------------------------------|---|
| 2 | 2 | 6 |

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

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

| visited | participated | | visited | participated | |
|---|--------------|-----|--|--------------|----|
| Accenture, Infosys, Robert Bosch, Toyota Kirloskar etc. . | 579 | 531 | HSBC, Hiveminds, NTTDATA, Accord, Licious etc. | 115 | 17 |
| No file uploaded. | | | | | |

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 | 92 | 2018-19 BE | EIE, ECE, EEE, CIVIL, MECH, CSE, ISE | USC, CMU, N C State University, The University of Illinois , Chicago University of Ottawa, NYU, The University of Illinois, UIUC, Irvine, Syracuse University, University of Texas ,University of Cincinnati, Monash, Aus | MS, MBA |
| No file uploaded. | | | | | |

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 |
|-------------------|---|
| GRE | 12 |
| TOFEL | 12 |
| GATE | 15 |
| Any Other | 12 |
| No file uploaded. | |

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

| Activity | Level | Number of Participants |
|----------|---------------|------------------------|
| Cricket | Intra college | 30 |
| Kabbaddi | Intra college | 70 |

| | | |
|-------------------|------------|-----|
| Basketball | University | 75 |
| Football | University | 115 |
| No file uploaded. | | |

5.3 – Student Participation and Activities

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

| Year | Name of the award/medal | National/ Internaional | Number of awards for Sports | Number of awards for Cultural | Student ID number | Name of the student |
|------------------------------------|-------------------------|------------------------|-----------------------------|-------------------------------|-------------------|---------------------|
| No Data Entered/Not Applicable !!! | | | | | | |
| View File | | | | | | |

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

RNSIT has an active body of students who take part in planning and carrying out various co-curricular and extra-curricular activities of the College. Every class has a Class Committee in which member student representatives have various roles to play. The students represent their views in subjects, syllabus and other related issues and problems. Apart from the Class Committees, the College level Student Committees

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institute has a strong Alumni network which is one of the major sources of publicity. The institute's alumni work in different areas like engineering, business and government organizations. They are entrepreneurs and are pursuing higher studies in reputed institutes or foreign Universities. A number of our alumni have obtained higher qualifications from top universities in India and abroad. i) Alumni Feedback. The feedback from our alumni placed in India & Abroad in top blue chip companies and academia helps us in identifying latest & future trends in many of the subjects being currently offered which helps the faculty to incorporate them in the syllabus. RNSIT Alumni have specifically suggested incorporation of topics such as AI, PSoC, Python, etc in the curriculum and also have conducted awareness workshops for students and faculty on the same. The institution holds alumni association which was started in the year 2005 with the membership of over 100. i. Few prominent alumni are made members of various college bodies including CAT for suggestion and guidance ii. The institution manages a library with books donated by alumnae. iii. The institution also holds records of the donations given by some of the alumni towards the fest and other technical activities. iv. The alumni are invited to give special talks and motivate students on a regular basis. The alumni also enrich the students interested in entrepreneurship and invite students for industrial visits. They also offer projects and internship to students. Few alumni have donated the instruments/equipment to the college. Contribution towards Institutional Development 1. Admission Brand building of RNSIT, many alumni refer friends and relatives to join RNSIT. Alumni Brand ambassadors for popularizing the courses at RNSIT. Cultural Every year they are actively involved in the college cultural activities. Sponsorship was contributed towards CAT activities. 2. Placement: Alumni in major MNCs like Yokogawa, Infosys etc help the junior students in preparing for the interview, group discussions etc. Contribution towards Infrastructure Development i. PSoC equipment at ECE department is donated and continuously maintained by Alumni.

ii. Mr. Rangarajan M A, Alumini of EIE Department has contributed to R& D infrastructure by donating Network analyzer of 3 GHz. Contribution towards Academic Development i. Some of the Alumni of EIE department working in reputed MNCs have frequently visited the campus and given talks to UG and PG students. ii. Harsha Aralguppi has helped students to prepare for Yokogowa. iii. Manjunath has given a talk on PLCs and DCS. iv. Akhil L T has a given talk on Serving Indian Nation. 1. Alumni from Cypress Semi-conductor conduct workshops. 2. Alumni also conduct workshops on robotics and support robotics club of RNSIT 3. Also impart training on latest trends in PERL, Python and MVCs to UG students on regular basis. 4. Financial Assistance for conduction of EDP and FDP, International Conference conducted by various departments. 5. Take part in technical events for Project Open house, PROP, INCONTRA, GESTIONE, Evolution, etc in the form of technical support like project assistance, guidance, evaluation along with financial assistance. 6. Alumni have referred students for jobs in private sectors.

5.4.2 – No. of enrolled Alumni:

1050

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

1261200

5.4.4 – Meetings/activities organized by Alumni Association :

twelve meetings. two during NBA and NAAC time. Individual department meetings - eight.

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)

RNSIT practices a culture of decentralized governance and participative management. As an example of the practice of decentralization and participative management, during the last year The Head of each Department including placement Cell exercised their authority in deciding the activities, delegating commensurate authority and responsibilities to the staff members of the department, cell. The departments decided on timetable, subject allocation, organizing guest lectures, workshops, industrial visits, open house, Department fests, MoUs, etc. According to the new syllabus, the HoDs of Electrical, Physics, Electronics departments were authorized to establish laboratories to meet the curriculum requirements, procurement and maintenance of equipment, etc. The culture of decentralization and participative management enables staff and students to give their opinions and suggestions for improvement. This is reflected in the following activities that were regularly carried out last year at RNSIT. i. All academic and administrative activities are decentralized and decisions are taken at different levels based on discussions and deliberations in class teachers meetings, departmental staff meetings, faculty meetings and HoDs meeting with Director, Principal and Deans from time to time fostering participative management principle in the campus. ii. Management representatives are members of GC, Finance Committee, Recruitment Committee, Purchase Committee, Hostel Committee and Infrastructure Committee. A. Chairman He is the Chief Executive Officer of all the activities and monitors progress in each area the institution is supposed to excel. He is the competent authority and gives approval for policy decisions and their implementations. He closely interacts with the Head of the institution. B. The Industry expert an industrialist and business man give valuable inputs regarding Industry Institution Interactions, MoUs and placements C. HoDs and Senior Professors of

the Institution, who are aware of the day to day happenings, have the responsibility of work alongside the Head of the institution in identifying various needs, issues, plans, academic and financial requirement and place before the GC. They are also required to interact with faculty, staff and students and bring to the notice of the Principal any improvements required in the process.

1. Student Involvement.

i. Class representatives acting as nucleus for obtaining feedback regarding all the curricular, co curricular and extra-curricular activities of the institute. They are empowered to organize the college technical fests, sports day, etc. with inputs from faculty advisors.

ii. Those who are staying in our hostels decide their own menu.

2. Faculty and Technical Support Staff involvement. Every faculty is given liberty to take her or his decision in the delivery of lectures pertaining to their subject. All the faculty members are the members of one or the other committees stated earlier for smooth functioning of academic and administrative activities. They are allowed to make decisions on a day to day basis but within the overall policy guidelines given by IQAC from time to time. Faculty members are allowed to improve their skill set by periodically attending the seminars, workshops, conferences, presenting papers in reputed journals, etc.

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 |
|--------------------------------------|---|
| Industry Interaction / Collaboration | Signing of MoUs - STUDSAT with ISRO, Bosch Rexroth India Ltd., CADD, CISCO-Oracle Certification Initiative under MHRD with Ethno Technologies, Fiabilite, Vi-Solutions, Valley Boot camp, etc. Arranging Industry visits across various departments. Encouraging Internships and mini projects from every student to understand processes and practices to get practical exposure. Reviews of students projects by industrial experts. Experts from industry conduct workshops and training programmes in current trends in technology Industrial Collaboration for carrying out research and projects. Faculties deputed to attend training in industries - recently Wipro Certified. Setting up CoEs with industry collaboration. |
| Curriculum Development | Every Department at RNSIT has developed additional enrichment courses, learning material, tailor made content, special laboratory experiments and also has organized a few activities such as talks, paper presentations, Industrial trips etc., for attaining the identified POs and PSOs. Preparation of Course Material referring to standard text books, NPTEL videos, VTU e-resources etc., is mandatory. Tracking |

VTU circulars and VTU website alerts of curriculum changes. Encourage faculty members in every Department to be a part of the VTU BOS - Board of Studies, hence having a greater say in the formation, updation and changes of the syllabus.

Teaching and Learning

Providing lesson plans, study materials, question bank and university question papers to the students in the beginning of the semester. Information regarding academic activities given in advance for Tests, Syllabus Completion, University Exam, etc. Formation of administrative groups for curriculum implementation. Conducting technical seminars on regular basis. Arranging guest lectures, industrial visits and training. Discipline monitoring committees both at college level and Department level implement policies ensuring on-time attendance of students, decreased absenteeism, notifying parents, mentoring, etc. Teachers deputed to attend training sessions to improve delivery skills and to enhance their knowledge. Induction training provided for newly recruited faculty.

Admission of Students

The admission process at RNSIT follows the norms laid out by the Karnataka Government and that of the affiliating University. The admission process is well defined, transparent and publicized widely to attract students from all over the country. The information of the admission process is disseminated through various media such as engineering and management admission portals, RNSIT website, prospectus, alumni, newspaper advertisements, etc. Admission to UG and PG programmes at RNSIT according to Karnataka government norms is under three categories I. Merit - CET test, II. Payment - COMEDK test and III. Management under NRI quota.

Examination and Evaluation

Test Question paper should cover all the topics in the test portion announced. Design the question paper based on Blooms Taxonomy, should be set to test the skills of applying the knowledge acquired under L3-L6 levels and also test the memory and understanding capabilities of the students under L1, L2 levels. At the time of question paper setting the

scheme and solution should be prepared. Questions are framed to cover maximum part of the syllabus mapped to the Course Outcomes framed. Rubrics developed and updated for all courses including theory, lab, seminar, projects, internships, etc

Research and Development

RNSIT has established six VTU recognized research centers to pursue Ph.D programmes across different disciplines. Facilities- Journals, reference books, internet, lab facilities are made available to research scholars. Follow-up - IQAC, Doctoral Committee evaluate the research progress and guide the Research Scholars. Scholars, Faculty, Students are encouraged to submit research proposals to funding agencies such as NRB, VGST, AICTE, DST, KSCST, DEITY, SERB, VTU, etc. Incentives- Principal Investigators of the sanctioned projects are given incentives for every project sanctioned. Academic and administrative support is extended to all the sanctioned projects and associated scholars for successful execution and completion.

Library, ICT and Physical Infrastructure / Instrumentation

Library Advisory Committee to periodically evaluate the activities and needs of the Library say, promoting remote accessibility of online resources, On-line renewal facility, etc. Continuous enhancement of Wi-Fi and LAN facilities for accessing the on-line teaching material. Creation and augmentation of Facilities for the use of ICT. Infrastructure Creation and Enhancement- in terms of classrooms, laboratories, staff strength to cater to the current and projected demands. Each Department provided with separate well-equipped laboratories managed by qualified technical staff. Mandatory incorporation of safety features such as First Aid Kit, fire extinguishers, safety rubber mats, Dos and Dents posters in labs, etc.

Human Resource Management

Streamlined recruitment process -Technical Competence Test -TCT, technical presentation, demonstration, board work, Interactions, HR interview by IQAC. Academic Freedom for development - organizing FDPs, Conferences, Seminars, industrial visits, workshops, As mentors, class

teachers, hostel Wardens, etc. Academic audit of every faculty for awarding, releasing annual increment, allowing movement from lower to higher AGP, screening for promotion, etc. Instituting a number of staff welfare schemes like CL, OOD, EL, ML, SCL, Gratuity, etc. Preference, higher weightage for in-service candidates for promotion to higher cadre. Creation of need based additional posts like Deans, Coordinators with additional incentive.

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

| E-governance area | Details |
|-------------------------------|---|
| Examination | Online question paper delivery from VTU, printing with high speed printing, online valuation and online results announcements. Also online exam form entry, practical marks entry, internal marks entry, etc. |
| Planning and Development | 1200 LAN connected computers across the campus with Wi - Fi enabled campus for sharing of information, trend analysis, follow-up and future plan of action. |
| Administration | OTAS - Online Teachers Appraisal System for follow up of teachers performance, student feed back, courses held during the current and previous semesters, etc. with analysis of performance across various departments and entire faculty and students. |
| Finance and Accounts | Tally and recent automated accounting software for tracking payments, receipts and balance of accounts. |
| Student Admission and Support | VTU online entry with college database, registration of admission, year of study, parents information, etc. |

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 |
|------|----------------------|--|--|-------------------|
| 2018 | Dr.M T Prathap Kumar | Indian Geotechnical Conference 2018 | Indian Geotechnical Society | 6000 |
| 2018 | Smitha M G | International conference on inventive Research in Material | Inventive Research Organization | 5000 |

| | | | | |
|-------------------|-------------------------|--|------|-------|
| | | Science and Technology ICIRMCT 2018 | | |
| 2019 | Dr.M T Prathap Kumar | Geo Congress 2019 Philadelphia, USA | ASCE | 10000 |
| 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 | VTU TEQIP1.3 sponsored IoT in Indu | NIL | 29/04/2019 | 30/04/2019 | 35 | 0 |
| 2019 | Futuristic Materials and Applications | NIL | 25/07/2019 | 27/07/2019 | 45 | 0 |
| 2019 | Big Data and Hadoop | NIL | 30/01/2019 | 31/01/2019 | 16 | 0 |
| 2019 | Machine Learning | NIL | 23/01/2019 | 25/01/2019 | 3 | 0 |
| 2018 | Web Technology and its Application | NIL | 23/07/2019 | 24/07/2019 | 2 | 0 |
| 2018 | Primavera and Gis for software application Lab, 15CVL57 | NIL | 16/03/2018 | 17/03/2018 | 30 | 0 |
| 2018 | Remote sensing in crop management/ agro-meteorology | NIL | 03/12/2018 | 07/12/2018 | 11 | 0 |
| 2018 | Crowd sourcing and participatory GIS | NIL | 21/01/2018 | 21/12/2018 | 16 | 0 |

No file uploaded.

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 |
|--|---------------------------------|------------|------------|----------|
| 3 day FDP on Machine Learning | 20 | 23/03/2019 | 25/03/2019 | 3 |
| 2 day FDP on Web Technology and its applications | 22 | 23/02/2019 | 24/02/2019 | 2 |
| 2 day FDP on Big data and HADOOP | 25 | 30/01/2019 | 31/01/2019 | 2 |
| 3 day FDP on Futuristic Materials and their applications | 15 | 25/01/2018 | 27/07/2019 | 3 |
| 2 day FDP IoT Industrial Applications | 35 | 29/04/2019 | 30/04/2019 | 2 |
| Technical Talk on Cryptography and Network Security | 26 | 04/04/2019 | 04/04/2019 | 1 |
| Technical Talk on Electronic Components and System Realization aspects to meet Commercial, Industrial and hi-rd applications | 15 | 14/02/2019 | 14/02/2019 | 1 |
| Multi domain system modelling and simulation using MODELICA | 1 | 04/06/2018 | 08/06/2018 | 5 |
| SMART GRID and IoT | 1 | 18/06/2018 | 22/06/2018 | 5 |
| Python Programming | 14 | 18/06/2018 | 20/06/2019 | 3 |
| Technical talk on Demonstration on API Vs Frame | 20 | 10/02/2018 | 10/02/2018 | 1 |

| | | | | |
|---|----|------------|------------|---|
| works using Design Patterns by Mr. Arafat, Solution Architect, Huhv Technologies, Bangalore | | | | |
| 3-day FDP on Machine learning | 85 | 19/07/2018 | 21/07/2018 | 3 |
| 2-day FDP on Web technology and its applications | 40 | 23/07/2018 | 24/07/2018 | 2 |
| FDP on Computer Networks Laboratory using NS3, NCTUNS and C/Cpp | 34 | 23/01/2018 | 25/01/2018 | 2 |
| FDP on Design of Embedded Systems with ARM CortexM3 | 5 | 01/01/2018 | 05/01/2018 | 5 |
| FDP on Student Induction Program | 1 | 21/06/2018 | 21/06/2018 | 2 |
| FDP on Python Programming and Applications | 34 | 18/06/2018 | 20/06/2018 | 2 |
| FDP on System design using system verilog | 1 | 24/04/2018 | 27/04/2018 | 4 |
| FDP on emerging technology in short range wireless communication | 1 | 04/07/2018 | 05/07/2018 | 2 |
| Mobile Applications | 14 | 25/07/2019 | 27/07/2019 | 3 |
| Orientation Program | 5 | 01/08/2018 | 01/08/2018 | 1 |
| View File | | | | |

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

| Teaching | | Non-teaching | |
|-----------|-----------|--------------|-----------|
| Permanent | Full Time | Permanent | Full Time |
| 216 | 211 | 131 | 130 |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|----------|--------------|----------|
|----------|--------------|----------|

| | | |
|---|--|---|
| Maternity leave, Study leave, Support to attend training programmes, Provident fund, Subsidized transport facility, Subsidized canteen facility, Gratuity, Mediclaim, Fee concession, Vacation, Free parking facility, LIC policies under SSS, etc. | Maternity leave, Study leave, Support to attend training programmes, Provident fund, Subsidized transport facility, Subsidized canteen facility, Gratuity, ESI, Fee concession, Free parking facility, LIC policies under SSS, Uniform, etc. | Subsidized transport facility, Subsidized canteen facility, Fee concession, Free parking facility, Medi-claim, Uniform, Grievance Redressal, sports and cultural incentives, etc. |
|---|--|---|

6.4 – Financial Management and Resource Mobilization

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

i. Internal Audit. All expenses are incurred with proper approval or sanction by the Head of the institution or HoDs of various departments, which are accounted for. Seed money distributed, registration amount generated, expenses incurred and disbursed in each activity say the international conference CCUBE17, the annual fest Parichay, Department fest Gestione, open house celebrations, FDPs, workshops, internship activities, purchase of consumables, servicing of equipment, etc. are some of the activities undergoing regular internal audit. Every financial transaction is recorded, scrutinized and audited. The accounts and procedures of internal control of finance are carried out by the General Manager Finance on a day to day basis. ii. External Audit. An annual audit is done by the statutory auditor BC Shetty and Co. The audit of accounts and submission of income tax returns are being carried out regularly each year. There are no audit objections since the institution follows a good system of internal controls like calling quotations, comparison of rates, preparation of purchase order, etc. and approvals at every stage of such implementation and due verification of goods and services that are obtained after delivery or completion of works. The procedures are computerized and all payments are through drafts, cheques, RTGS, NEFT, and a high degree of transparency is exhibited. Last audit was done during 2018. The audited statements are uploaded on the College website.

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 | 70000 | Students Projects |
| View File | | |

6.4.3 – Total corpus fund generated

857952

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 | NBA, NAAC, LIC, VTU | Yes | IQAC |
| Administrative | Yes | BC SHETTY, LIC | Yes | RN Shetty TRUST and Governing |

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

Provided constructive and positive feedback during NBA visit. Supported in arranging resource persons during activities such as Gestione, Open House project evaluation, seminars, workshops. Support in obtaining internships, placements, projects, etc.

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

1. Workshop for Improving Photoshop and CorelDraw capabilities. 2. Skill development programs in FEM, CADD 3. Maintenance and servicing awareness program for PCs, UPS

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

1. Streamlined the CO-PO computation across the campus using in-house custom-built computation tool 2. Improved the branding of the Institution by revamping the Institution 3. Resolved to apply for NBA accreditation in the GC meeting

6.5.5 – Internal Quality Assurance System Details

| | |
|--|-----|
| a) Submission of Data for AISHE portal | Yes |
| b) Participation in NIRF | Yes |
| c) ISO certification | No |
| 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 | Faculty Quality Improvement Lecture Series | 14/03/2019 | 14/03/2018 | 16/03/2018 | 165 |
| 2018 | Faculty Quality Improvement Lecture Series | 12/03/2018 | 12/03/2018 | 14/03/2018 | 140 |

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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 |
| BE | 13/08/2018 | 03/09/2018 | 224 | 483 |
| BE | 03/03/2018 | 03/03/2018 | 150 | 20 |
| International Women's Day | 08/03/2019 | 08/03/2019 | 165 | 10 |

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

485 KW solar panel Electrical power generating facility meeting 60 percent of total power required

7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|-------------------------|--------|-------------------------|
| Physical facilities | Yes | 2 |
| Provision for lift | Yes | 4 |
| Ramp/Rails | Yes | 4 |
| Rest Rooms | Yes | 1 |
| Scribes for examination | Yes | 4 |

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 | 02/07/2019 | 2 | ADDICTION FREE Day | health, safety, follow-up, awareness of diagnostic facilities available | 85 |
| 2019 | 1 | 1 | 05/06/2019 | 2 | World Environment Day and April Cool Day | environment protection, greening the surroundings | 67 |
| 2019 | 1 | 1 | 10/08/2019 | 20 | North Karnataka Flood Relief fund | Donation, helping in distress, natural disaster awareness | 500 |
| 2019 | 1 | 1 | 01/10/2019 | 1 | Plantation Swachhata Drive | health, safety, follow-up, awareness of diagnostic facilities available | 75 |
| 2018 | 1 | 1 | 09/10/2019 | 1 | Maduramma | environme | 28 |

| | | | | | | | |
|-------------------|---|---|------------|----|--|---|-----|
| | | | 8 | | Ground- An affore station Drive | nt protec tion, greening the surro undings | |
| 2018 | 1 | 1 | 08/09/2018 | 25 | Kodagu Flood Relief Drive | Donation, helping in distress, natural disaster awareness | 500 |
| 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) |
|--|---------------------|---|
| Roles, Responsibilities and Authorities of all the Positions | 06/07/2018 | The internal structure was reorganized by inculcating more number of faculty members - Vice-principal, deans, R and D coordinators, research guides, etc. in obtaining the status of the current practices followed and the changes required. This lead to the plagiarism being reduced in the research and projects being carried out. Also emphasis was placed on innovative ideas and publications in reputed unpaid journals. |

7.1.6 – Activities conducted for promotion of universal Values and Ethics

| Activity | Duration From | Duration To | Number of participants |
|----------------------------|---------------|-------------|------------------------|
| Teachers and Engineers Day | 20/09/2019 | 20/09/2019 | 165 |
| Blood donation | 21/02/2019 | 21/02/2019 | 500 |
| Engineers Day | 15/09/2018 | 15/09/2018 | 150 |
| Blood donation | 16/02/2018 | 16/02/2018 | 492 |
| International Women's Day | 08/03/2019 | 08/03/2019 | 150 |
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

| |
|--|
| Bio waste incinerators provided on every floor of girls hostel for addressing the health and hygiene requirements. |
| Recycled water is utilized for maintaining green campus. All the gardens have sprinklers installed. |

Rain water harvesting is done in all the buildings.

Solid waste management is done through dumping in nearby compost pit.

Use of solar energy initiatives for lighting the campus. A 485 KW solar panel Electrical power generating facility has been commissioned with appropriate control system to synchronize or tie with BESCO grid.

Sewage Water Treatment plant is installed in the campus.

Usage of CFL bulbs in class rooms, Seminar Halls, corridors, washrooms, restrooms etc.

Drain pits are used to sink the water and recharge the ground water table.

Electrical energy is conserved by using solar energy for water heating in all Hostels

The UPS Batteries were maintained in good condition which reduces charging of batteries.

Electrical equipments are periodically checked and monitored to ensure energy conservation.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Practice 1 - Transparent, Decentralized, Happy and Conducive Environment
Practice 2 - Disciplined Quality Teaching with good Placements

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

http://www.rnsit.ac.in/NAAC_SSR_RNSIT_2017.pdf

7.3 – Institutional Distinctiveness

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

The vision of RNSIT - Building RNSIT into a world-class institution - with the mission of - imparting quality education in Engineering, Technology and Management with a difference, Enabling Students to Excel in their Career is showcased by the performance of RNSIT at national level - wherein TWO accreditation bodies - NAAC and NBA, have both evaluated the performance of RNSIT and awarded a high grade. This achievement is made possible due to the priority and thrust given by RNSIT to the implementation of the above mentioned TWO best practices. In this context, priority was given to I. bringing discipline among Faculty in their profession and foster loyalty to the system, II. Inculcating among students a sense of discipline and belongingness so long they are in the campus and serves as guidelines in their family and future career. III. establishing a disciplined work culture and a system in line with the vision of our Institution. IV. Preparing our students in building character and confidence to take up careers in Science, Engineering and Technology and excel in their career. Evidence of Success is seen in I. Quality students at the entry level II. Admissions through CET and COMED-K getting filled every year quite early. RNSIT is ranked one among top 5 Institutions in Bengaluru and top 10 in VTU. III. Consistent pass percentage - more than 85 percent - as well as the number of University Ranks in UG and PG programmes. IV. Reflected through number of offers and the quality placement and internship. V. More number of students successfully going for higher studies and research in India and abroad. VI. Teaching ability of our teachers is monotonically increasing and they are delivering with more capability and confidence and which is being reflected by almost no complaints either from students or their parents. VII. More than 80 percent of our faculty have obtained their appraisal greater than

85 percent. Another priority and thrust given at RNSIT is in the area of creating a - Transparent, Decentralized , Happy and Conducive Environment. This is achieved by I. Different committees are formed at college level every year to carryout co-curricular and extra-curricular activities. II. Academic freedom and flexibility to HoDs in developing their departments. III. Various committees are formed in the department like Time Table committee, Test Coordinating committee, Discipline committee, Sports and Cultural committee, mentoring committee, Placement coordination and Research Committee, Project work coordinating committee etc., wherein the members of the committee are empowered to take decisions at their level with the concurrence of HoDs. III. Decentralization and transparent procedures are followed in procurement and maintenance of equipments, tools, softwares required for various departments. IV. Encouragement for research work and submission of proposals for financial assistance This has resulted in the low attrition rate of the faculty, increasing number of Ph. Ds being produced from RNSIT, large number of research proposals being applied and sponsored, students projects being sponsored and winning accolades and prizes at state and national levels.

Provide the weblink of the institution

<http://www.rnsit.ac.in/images/nbareresults.pdf>

8.Future Plans of Actions for Next Academic Year

Introduction of new course, BE in AI and ML. Infrastructure creation involving completion of RNS auditorium, which is in full swing. Participating in NIRF Rankings 2020. Strengthening alumni interaction. Research and Development activities to be further strengthened. Enhancing the capacity of the CoEs in each department. Improving the intake of the students, area of excellence in corporate training, etc. To apply to VTU to get autonomous state. To apply to various funding agencies for financial assistance.