# Yearly Status Report - 2019-2020

| Part A | |
|---|---|
| **Data of the Institution** | |
| **1. Name of the Institution** | **SRI SIVASUBRAMANIYA NADAR COLLEGE OF ENGINEERING** |
| Name of the head of the Institution | **Dr. V.E. Annamalai** |
| Designation | **Principal** |
| Does the Institution function from own campus | **Yes** |
| Phone no/Alternate Phone no. | **04427469752** |
| Mobile no. | **9840359093** |
| Registered Email | **info@ssn.edu.in** |
| Alternate Email | **principal@ssn.edu.in** |
| Address | **Rajiv Gandhi Salai (OMR), Kalavakkam** |
| City/Town | **Kalavakkam** |
| State/UT | **Tamil Nadu** |
| Pincode | **603110** |

## 2. Institutional Status

| | |
|---|---|
| Autonomous Status (Provide date of Conformant of Autonomous Status) | **01-Aug-2018** |
| Type of Institution | **Co-education** |
| Location | **Rural** |
| Financial Status | **Self financed** |
| Name of the IQAC co-ordinator/Director | **Dr. G Selvakumar & Dr G Satheesh Kumar** |
| Phone no/Alternate Phone no. | **04427469752** |
| Mobile no. | **9597796353** |
| Registered Email | **ssniqac@ssn.edu.in** |
| Alternate Email | **info@ssn.edu.in** |

## 3. Website Address

| | |
|---|---|
| Web-link of the AQAR: (Previous Academic Year) | https://www.ssn.edu.in/naac-reports/ |

## 4. Whether Academic Calendar prepared during the year

| | |
|---|---|
| **4. Whether Academic Calendar prepared during the year** | **Yes** |
| if yes,whether it is uploaded in the institutional website: Weblink : | https://www.ssn.edu.in/wp-content/uploads/2021/01/Academic-Calendar-2019-20.pdf |

## 5. Accrediation Details

| Cycle | Grade | CGPA | Year of Accrediation | Validity Period From | Validity Period To |
|---|---|---|---|---|---|
| **1** | **A** | **3.13** | **2011** | **08-Jan-2011** | **07-Jan-2016** |
| **2** | **A+** | **3.55** | **2017** | **19-Jul-2017** | **18-Jul-2022** |

## 6. Date of Establishment of IQAC

| | |
|---|---|
| **6. Date of Establishment of IQAC** | **01-Jul-2009** |

## 7. Internal Quality Assurance System

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

| IQAC | | |
|---|---|---|
| NBA accreditation for Mechanical & Chemical Engineering Department based on compliance report | 14-Feb-2020 1 | 288 |
| Academic Audit (internal & intra) | 11-Sep-2020 20 | 288 |
| submission of Annual Quality Assurance Report (AQAR | 01-Oct-2019 30 | 30 |
| NIRF 2020 participation | 01-Sep-2019 210 | 1071 |
| ISO certification by TUV NORD | 12-Jan-2020 1 | 18 |
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**8. Provide the list of Special Status conferred 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 |
|---|---|---|---|---|
| Data uploaded in the attached file | Research Schemes | DST BRNS AICTE | 2019 730 | 27384221 |
| View File | | | | |

| **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 :** | **3** |
| 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)** | |

Participated in NIRF 2019. SSNCE has been ranked 37th in Engineering category (among all Engineering colleges in India) and 78th rank (overall) among all

Educational Institutions in India Regular internal academic audits: Twice a year Regular external academic audits: Once a year ISO 9001:2015 Quality audits Due to COVID19 pandemic, training to take online classes in Zoom, Microsoft teams and panopto are imparted to faculty members of SSN since April 2020. SSNCentre for Innovation and Best Practices in Education (SCIPE) was inaugurated on July 15, 2020.

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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 |
|---|---|
| E – content development | LMS implemented for all the courses |
| ERP software | The ERP software, developed by SSN faculty, is implemented for Autonomous stream. |
| NIRF Ranking | SSNCE has been ranked 37th among all Engineering colleges in India by NIRF 2019, MHRD. |
| Outcome based Syllabus | Implemented for Autonomous stream. |
| NBA accreditation | B.E. (Mechanical) and B.Tech (Chemical Engg) Programmes have been re-accredited for 3 years. i.e. 2020-21 to 2022-23 (up to 30.6.2023) |
| [View File](#) | |

| **14. Whether AQAR was placed before statutory body ?** | Yes |
|---|---|

| Name of Statutory Body | Meeting Date |
|---|---|
| ISO - Surveillance Audit - 2019 by TUV NORD | 01-Dec-2020 |

| **15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?** | Yes |
|---|---|
| Date of Visit | 14-Feb-2020 |

| **16. Whether institutional data submitted to AISHE:** | Yes |
|---|---|
| Year of Submission | 2020 |
| Date of Submission | 31-Jan-2020 |

| 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) | Institutions have an MIS. The modules currently in operation include the admission application management system, the student on boarding and information system, Learning Management System among others. The HR modules and Finance modules are successfully implemented. |

# Part B

## CRITERION I – CURRICULAR ASPECTS

### 1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

| Name of Programme | Programme Code | Programme Specialization | Date of Revision |
|---|---|---|---|
| PGDBM | PGP BA and DS | BUSINESS ANALYTICS DATA SCIENCE | 22/02/2020 |
| View File | | | |

1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

| Programme with Code | Programme Specialization | Date of Introduction | Course with Code | Date of Introduction |
|---|---|---|---|---|
| PGDM | BUSINESS ANALYTICS DATA SCIENCE | Nill | Nill | Nill |
| View File | | | | |

### 1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

| Programme/Course | Programme Specialization | Dates of Introduction |
|---|---|---|
| Nill | Nil | Nill |
| View File | | |

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

| Name of programmes adopting CBCS | Programme Specialization | Date of implementation of CBCS/Elective Course System |
|---|---|---|
| Nill | Already adopted in 2018 | Nill |

### 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 |
|---|---|---|
| File uploaded | Nill | Nill |
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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 |
| Nill | File uploaded | 974 |
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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

Mech Student feedback: It is obtained through multiple course committee meeting at the beginning of the semester and through individual feedback form at the end of the semester. The feedback is collected by considering the following factors: Faculty audibility, method of teaching, ability to follow,books availability, quality of intranet uploads, enough examples for problematic subjects etc. Course committee chairperson discusses the feedback obtained in the meeting with the faculty of the class and corrective actions are taken. Feedback obtained at the end of the semester helps the faculty in taking correctives steps in forthcoming semester. Faculty feedback: It is obtained through department meetings held regularly. Academic, research and administrative activities of individual faculty and as well as entire department are discussed in the meetings. Faculty feedback obtained through these meetings is used to enhance the contribution of the department in all aspects of institution development. Feedback from other stakeholders (Alumni, parents): It is obtained through meetings held once in a year and This feedback helps in identifying and addressing curriculum gaps. This leads to curriculum revision and development so as to improve industry-readiness of students. IT The SSN College of engineering collects the course feedback on curriculum aspects and courses from different stakeholders such as the students, teachers and alumni. The Academic Council established by Institution ensures and analyzes the academic excellence at students and teachers level. Periodical analysis is also made on the following parameters: student performance, faculty performance in each semester and utilization of infrastructures along with requirements for quality enrichment is also made. MBA Yes. Feedback from students is obtained for each course / faculty. This is circulated to the respective faculty members and discussed with the Dean for corrective actions. Feedback from recruiters is obtained at the end of their recruitment process. This is used for improving the employability skills of the students. SACE We apply analytics to the feedback and get the insights on program enhancement

## 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** | **File uploaded in excel** | **780** | **6014** | **826** |
| **ME** | **File uploaded in excel** | **180** | **45** | **45** |

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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 |
|---|---|---|---|---|---|
| **2019** | **826** | **45** | **218** | **12** | **18** |

## 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 | Numberof smart classrooms | E-resources and techniques used |
|---|---|---|---|---|---|
| **248** | **248** | **6** | **112** | **67** | **11** |

View File of ICT Tools and resources

**No file uploaded.**

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

Student mentoring system is available in the institution. One faculty is assigned as a mentor for a maximum of 20 students. Students meet the mentor at a convenient time to both or as per time slot mentioned in the class timetable. They discuss the academic as well as personal issues and needs. If any of the student seeks counselling or help to address mental distress, he/she is taken to student counselor of the institution and he/she gets the required assistance/suggestions. Students also record their academic performance at the end of each semester in the mentor book kept with the mentor for each student. They also record their co-curricular and extra-curricular achievements in the book. Mentors also call the parents of mentees, discuss the issues related to health/long absence and sort out. IT Yes. The College has a mentoring system in place with respect to the faculty and students ratio of 1:15. Mentors collect and maintain the attendance, internal assessment marks of every mentees of their class with this information the students are motivated by the mentors to improve their overall performance. One of the primary objectives is to mentor the students as productive citizens for the society at large as participative management. Towards that end a mentoring system that provides a guide line to the students was conceived and implemented with the participation of the faculty members. The mentoring system comprises of different steps. The initial step is to allocate a set of students to each faculty. Each and every faculty maintains the record of complete students' profile. A schedule is put in effect periodically for monitoring their performance. In addition to curriculum, the extra-curricular and co-curricular activities are also considered for mentoring MBA Yes, ten students are allocated to each faculty when the students start their program. Same faculty member will mentor the student till he / she completes the program. Periodical reviews will be conducted during the semester. At least two formal sessions are held during a semester. During the mentoring sessions, academic progress is reviewed along with other non-academic issues. An in-house fulltime student counsellor is also available in the campus Physics On an average , 20 students from first year will be assigned to each faculty going to first year classes. The stuents meet the mentees at least once every week and alsomaintian connectivity through social media like whatsapp groups. During lockdown times this has been mostly through phone, emails and whatsapp group chats and private messages apart from online zoom meetings if so required. Both personal and academic issues have been the topics during these mentoring sessions. BME ? All teaching faculty work as Mentors to the student's allotted to them . ? Regular meetings are held between mentor and mentee as per the timetable. ? A student's record is maintained for each student. ? The student's record has both personal and

academic data. ? The students must feel free to discuss with their Mentors about their Academic problems. SACE YES, We mentor the students

| Number of students enrolled in the institution | Number of fulltime teachers | Mentor : Mentee Ratio |
|---|---|---|
| 3574 | 248 | 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 | Nill |

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 |
|---|---|---|---|
| 2020 | Nill | Nill | Nill |
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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 |
|---|---|---|---|---|
| Nill | Uploaded in excel file | details uploaded in excel file | Nill | Nill |
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

| Number of complaints or grievances about evaluation | Total number of students appeared in the examination | Percentage |
|---|---|---|
| Nill | 4200 | 0 |

## 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.ssn.edu.in/college-of-engineering/mech-peos-and-pos/

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 |
|---|---|---|---|---|---|
| Pass percentage | Nill | Pass % and SSS entered | Nill | Nill | Nill |

| and SSS entered in the excel file | | in the excel file | | | | |
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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://www.ssn.edu.in/wp-content/uploads/2021/01/4.-Student-Satisfaction-Survey-SSS.pdf

# CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

## 3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

| Yes |
|---|
| Name of the teacher getting seed money |
| **Entered in the attached file** |
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

| Type | Name of the teacher awarded the fellowship | Name of the award | Date of award | Awarding agency |
|---|---|---|---|---|
| **Nill** | **Entered in the attached file** | **Nill** | **Nill** | **Nill** |
| View File | | | | |

## 3.2 – Resource Mobilization for Research

3.2.1 – 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 |
|---|---|---|---|---|
| **Nill** | **Nill** | **Data Entered in the attached file** | **Nill** | **Nill** |
| View File | | | | |

3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

| 0.26 |
|---|

## 3.3 – Innovation Ecosystem

3.3.1 – 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 |
|---|---|---|
| **Data Entered in the attached file** | **Data Entered in the attached file** | **Nill** |

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3.3.2 – 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 |
|---|---|---|---|---|
| **Data Entered in the attached file** | **Data Entered in the attached file** | **Data Entered in the attached file** | **Nill** | **Data Entered in the attached file** |

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3.3.3 – 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 |
|---|---|---|---|---|---|
| **01** | **SSN Incubation Foundation** | **MSME** | **Nil** | **Nil** | **01/06/2019** |

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## 3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

| Name of the Department | Number of PhD's Awarded |
|---|---|
| **ECE** | **14** |
| **English** | **1** |
| **Mechanical Engineering** | **5** |
| **Chemical Engineering** | **4** |
| **Information Technology** | **2** |
| **Physics** | **2** |
| **EEE** | **18** |
| **Computer Science and Engineering** | **3** |

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

| Type | Department | Number of Publication | Average Impact Factor (if any) |
|---|---|---|---|
| **Nill** | **Data Entered in the attached file** | **Nill** | **Nill** |

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

| Department | Number of Publication |
|---|---|
| **Data Entered in the attached file** | **Nill** |

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3.4.4 – Patents published/awarded during the year

| Patent Details | Patent status | Patent Number | Date of Award |
|---|---|---|---|

| Data Entered in the attached file | Nill | Nill | Nill |
| --- | --- | --- | --- |

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3.4.5 – 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 |
| --- | --- | --- | --- | --- | --- | --- |
| Nill | Nill | Nill | 2020 | Nill | Nill | Nill |

View File

3.4.6 – 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 |
| --- | --- | --- | --- | --- | --- | --- |
| Nill | Nill | Nill | 2020 | Nill | Nill | Nill |

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

| Number of Faculty | International | National | State | Local |
| --- | --- | --- | --- | --- |
| Attended/Seminars/Workshops | 52 | 110 | 64 | 14 |
| Presented papers | 110 | 60 | 8 | 6 |
| Resource persons | 17 | 58 | 49 | 30 |

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## 3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

| Name of the Consultan(s) department | Name of consultancy project | Consulting/Sponsoring Agency | Revenue generated (amount in rupees) |
| --- | --- | --- | --- |
| Data Entered in the attached file | Data Entered in the attached file | Data Entered in the attached file | Nill |

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

| Name of the Consultan(s) department | Title of the programme | Agency seeking / training | Revenue generated (amount in rupees) | Number of trainees |
| --- | --- | --- | --- | --- |
| Dr. S. Masilla Moses Kennedy, Physics Department | Extending facility to measure Temperature Dependant PL and QY | Research scholar from Kerala and a Scientist from ISRO, Bangalore | 3186 | 2 |
| CSE | Basics of Cyber Crime | Tamil Nadu Police | 1272000 | 183 |

|  | Investigation | | | |
| --- | --- | --- | --- | --- |
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## 3.6 – Extension Activities

3.6.1 – 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 |
| --- | --- | --- | --- |
| Data Entered in the attached file | Data Entered in the attached file | Nill | Nill |
| View File | | | |

3.6.2 – 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 |
| --- | --- | --- | --- |
| NSS | Best NSS Volunteer award – September 2019 | Anna University | 1 |
| Smart India Hackathon 2019-Hardware edition held at GE Healthcare, BSDU, Jaipur. | Winner | MHRD | 5 |
| Smart India Hackathon 2019 hardware Edition held at GE Healthcare, BSDU, Jaipur. | Winner | MHRD | 2 |
| View File | | | |

3.6.3 – 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 |
| --- | --- | --- | --- | --- |
| Swachh Bharat | NSS Unit | Campus clean up | 3 | 75 |
| Swachh Bharat | NSS Unit / Environmentalist Foundation of India | Wall – E Painting | 1 | 20 |
| Rural Development | NSS Unit and Govt. School students of Thiruporur, Paiyanoor, Kelambakkam | Can do workshop to Govt. school students | 3 | 450 |
| Rural | NSS Unit and | NSS Unit and | 5 | 350 |

| Development | Ullas Trust | Ullas Trust | | |
|---|---|---|---|---|
| Voters Day Awareness Programme | NSS Unit and Thiruporur Taluk Office | Competitions for Students | 3 | 150 |
| Voters Day Celebration | YRC and Collectorate, Chingleput district | Voters Day Celebration | 5 | 100 |
| Road Safety Awareness Programme | YRC and Police department, Chennai | Road Safety Awareness Programme | 5 | 50 |

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## 3.7 – Collaborations

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

| Nature of activity | Participant | Source of financial support | Duration |
|---|---|---|---|
| Data Entered in the attached file | Data Entered in the attached file | Data Entered in the attached file | Nill |

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3.7.2 – 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 |
|---|---|---|---|---|---|
| Data Entered in the attached file | Data Entered in the attached file | Data Entered in the attached file | Nill | Nill | Nill |

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

| Organisation | Date of MoU signed | Purpose/Activities | Number of students/teachers participated under MoUs |
|---|---|---|---|
| Data Entered in the attached file | Nill | Data Entered in the attached file | Nill |

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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 |
|---|---|
| 4015 | 3234 |

| 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 |
| Video Centre | Existing |
| Value of the equipment purchased during the year (rs. in lakhs) | Newly Added |
| Number of important equipments purchased (Greater than 1-0 lakh) during the current year | Newly Added |
| Classrooms with Wi-Fi OR LAN | Existing |
| [View File](#) | |

## 4.2 – Library as a Learning Resource

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

| Name of the ILMS software | Nature of automation (fully or patially) | Version | Year of automation |
|---|---|---|---|
| KOHA | Fully | 19.05.00.000 | 2000 |

### 4.2.2 – Library Services

| Library Service Type | Existing | | Newly Added | | Total | |
|---|---|---|---|---|---|---|
| Text Books | 80055 | 39176124 | 4683 | 2533567 | 84738 | 41709691 |
| Reference Books | 3558 | 15440131 | 56 | 349076 | 3614 | 15789207 |
| e-Books | Nill | Nill | 10316 | 141600 | 10316 | 141600 |
| Journals | 409 | 19724032 | 226 | 2579376 | 635 | 22303408 |
| e-Journals | Nill | Nill | 13373 | 5742514 | 13373 | 5742514 |
| Digital Database | Nill | Nill | 9 | 5884114 | 9 | 5884114 |
| CD & Video | 398 | 210459 | Nill | Nill | 398 | 210459 |
| Library Automation | 1 | 2230625 | Nill | Nill | 1 | 2230625 |
| Others(specify) | 239 | 200000 | Nill | Nill | 239 | 200000 |
| [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 |
|---|---|---|---|
| Data Entered in the attached file | Data Entered in the attached file | Data Entered in the attached file | Nill |
| [View File](#) | | | |

## 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 | 1933 | 56 | 2 | 1 | 1 | 56 | 13 | 620 | 0 |
| Added | 92 | 0 | 0 | 0 | 0 | 0 | 0 | 200 | 0 |
| Total | 2025 | 56 | 2 | 1 | 1 | 56 | 13 | 820 | 0 |

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

| 820 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 |
|---|---|
| LMS | [https://lms.ssn.edu.in/](https://lms.ssn.edu.in/) |

## 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 |
|---|---|---|---|
| 65 | 41 | 1429 | 1242 |

### 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)

Academic Blocks: The available built up area of Educational buildings is 65,579 Sq. m. Separate blocks for Workshop, Central Library, Computer Centre, Administration, Science and Humanities are available. SSN Research centre is housed in EEE block. Common Facilities: Common Facilities like Electrical substation, Recreation Centre, Auditorium (1000 seater capacity), Auditorium (300 seater capacity), Canteen, Seminar Hall (120 seater capacity), Guest House, OHTUG sump, Driver shed, Stores cum toilet in playground constitute nearly 9353 Sq.m. of built up area. The entire campus is Wi-Fi enabled. A clinic with full time Doctor and a nurse is available. A van is kept ready throughout the day for emergency hospital visit. Banking facility with an ATM centre, Modern Laundry, Stationery store and photo copying centre are available within the Campus. We have about 6 km length of metal road connecting all blocks with 8 km length of storm water drain to avoid water stagnation. Parking facility for 150 cars and 50 buses are provided. Library: The library is fully air-conditioned. Entire Library process is computerized. KOHA Library software is used for issue, return. RFID and Biometric system are used in circulation

section. Book search, renewal and reservation are available through Intranet. Sports: The college encourages sports activities and gives importance to pursue excellence in sports. The college has all necessary infrastructure for growing talents and developing sports personalities. The sports infrastructure comprises facilities for indoor and outdoor games. There are well groomed outdoor play fields for Cricket (Turf wicket with grass out field), Football, Tennis (Synthetic courts), Basketball, Volleyball, Athletics etc. We have an International standard indoor stadium for Basketball, Badminton (Hova Court), Table tennis Squash racket, and Air conditioned gym for boys and girls. Department: Mechanical Engineering department is endowed with good infrastructural facilities. It has adequate number of class rooms, faculty rooms, office rooms, seminar halls, libraries, and reading room facilities, state of art laboratories with sophisticated equipments. Computers are the main tool used to present multimedia items such as power point presentations (PPTs), video, animation and sound. In the classroom, computers have made a huge impact on the way teachers provide information to their students. Using computers, teachers have evolved their teaching methods? Instead of lecturing and writing notes on the blackboard, teachers can now show their students visual and audio material to enhance the learning process. These methods are much more effective for students who observe information visually. We are using E-learning facility in our intranet to enable the course contents available to the students. The required softwares are installed in the classroom laptops to provide the hands on demonstration to the students in the theory class itself.

https://www.ssn.edu.in/wp-content/uploads/2021/01/5.-Maintaining-and-utilizing-physical-academic-and-support-facilities.pdf

## 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 | Rural Scholarship | 100 | 24161140 |
| Financial Support from Other Sources |  |  |  |
| a) National | PMSS, SII, SPDS | 30 | 3910894 |
| 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 |
| --- | --- | --- | --- |
| Data Entered in the attached file | Nill | Nill | Data Entered in the attached file |
| 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 | Number of students who have passedin the comp. exam | Number of studentsp placed |
| --- | --- | --- | --- | --- | --- |

| 2020 | Data Entered in the attached file | Nill | Nill | Nill | Nill |
| View File | | | | | |

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

| Total grievances received | Number of grievances redressed | Avg. number of days for grievance redressal |
|---|---|---|
| 4 | 4 | 3 |

## 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 |
| Data Entered in the attached file | Nill | Nill | Data Entered in the attached file | Nill | Nill |
| 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 |
|---|---|---|---|---|---|
| 2020 | Nill | Data Entered in the attached file | Data Entered in the attached file | Data Entered in the attached file | Data Entered in the attached file |
| 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 | 12 |
| GMAT | 2 |
| CAT | 17 |
| GRE | 89 |
| TOFEL | 33 |
| Any Other | 21 |
| View File | |

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

| Activity | Level | Number of Participants |
|---|---|---|

| Data Entered in the attached file 21 | Data Entered in the attached file | Nill |
| --- | --- | --- |
| 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 |
| --- | --- | --- | --- | --- | --- | --- |
| 2020 | Data Entered in the attached file | Nill | Nill | Nill | Nill | Data Entered in the attached file |
| View File | | | | | | |

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

Mechanical Engneering INVENTE 4.0, a National Level Technical Symposium. The department of Mechanical Engineering conducted various technical and Non-technical events. Auto quiz is a technical event, to test all the car and bike enthusiasts out there. It was held on both days of the Tech fest and had around 50 teams from various colleges participating in it. A Cash prize of Rs. 2500 was awarded for the winner, Rs. 1500 for first runner up, Rs.1000 for second runner up. BLITZ GP is a racing event that tests the participant's fabrication, driving, and management skills. The event features a challenging and timed obstacle course for the battery run racing car. A total of 27 teams participated with a participant count of 55. Tracks were designed to have sharp turns, obstacles, and loops. A cash prize of Rs.6000 was awarded for the winner, Rs 4000 for the first runner up and Rs 2000 for the second runner up. Mechathlon was the only single participant event in our department, mimicking a core company recruitment process. It was a three-stage event, starting off with a pen-paper test consisting of fifteen questions.d. The second round was a group discussion (GD). The top 12 performers were selected and interviewed in the third round. We received a total of 96 registrations by the second day. A cash prize of Rs.2000 was awarded for the winner, Rs 1500 for the first runner up, and Rs 1000 for the second runner up. Nitro Grand Prix is a racing event in which nitrogen-based fuel cars are used. It is one of the most prestigious star events of the national level technical symposium INVENTE. A grand number of 12 teams participated from 9 colleges in the event. A Cash prize of Rs. 10,000 was awarded for the winner, Rs. 7,000 for first runner up, Rs. 3,000 for second runner up. Paper presentation is a technical event, inviting students to present their papers. Students from other colleges were invited to participate through social media and personal contacts. A total budget of Rs. 12,000 was allocated for the event. Totally 25 papers were shortlisted and the selected participants were contacted through email and phone and were invited to present their paper. Three panels were formed (Panel-1, Panel-2 Panel-3). Each panel had three faculty-judges of SSNCE, each one representing thermal, manufacturing, and design. 23 papers were presented on the day of the event. Winners and Runners from each panel were awarded a cash prize of Rs. 2500 and Rs. 1500 respectively. Project Exhibition provided participants to display their projects and compete with their knowledge in the various aspects of Mechanical Engineering. This event was enriched with participants from various colleges in our state. A Cash prize of Rs. 3500 was awarded for the winner, Rs. 1500 for first runner up, Rs. 1000 for the second runner up. Robo Wars was held

on the second day of the event and in this event, powerful robots are pitted against other competing robots in one-on-one knockout

## 5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

SSN Alumni Association Government Registered Body under societies act 133/2018. Facilitates tapping the expertise and assistance of the network of SSN graduates. Currently the association has 3 chapters in Chennai, Bengaluru and US. It has core committees and faculty coordinators for each department

5.4.2 – No. of registered Alumni:

16737

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

954000

5.4.4 – Meetings/activities organized by Alumni Association :

The grand alumni meet of SSN Institutions held on January 4, 2020 at SSN campus. Over 1000 alumni took part in the reunion with their families. Career development workshop and mock interview for final year Engg students • Interviews with Professionals / HRs (Alumni) • Soft Skill training / Written feedback • Mock interviews for final year students by interviewers across the departments • Written feedback obtained

## CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

### 6.1 – Institutional Vision and Leadership

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

The two most important instances of decentralisation and participative management during the last year would be the preparation of the budget and the allot of internal funding projects for faculty and students All Heads of Departments, Function Heads, heads of research groups consult with their members and provide inputs to the overall department, function and ultimately to the institution budget. The selection of projects of internal funding follows a similar approach with faculty guides as the first level of judges and mentors, followed by heads of departments, dean research and finally an external committee.

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 |
|---|---|
| Admission of Students | ? Admission ofStudents Anna university single window system and Management seats. For Management seats the admission is based purely on merit and criteria of admission is marks in Physics, Chemistry and Maths in class 12 |
| Curriculum Development | Autonomous curriculum, R 2018, is in |

| | |
|---|---|
| | effect. We collect feedback about the curriculum from various sources, (i) from the students who are learning the subjects (ii) from the graduated students (iii) from the faculty handling the particular subject (iv) from the course files of the individual subjects. With all this feedback a new syllabus will be formed. This new syllabus will be presented to the BOS members. Their suggestions will be incorporated into the syllabus. Then this version will be presented to the academic council for the approval. After getting the approval of the academic council, the syllabus is made available to the students by publishing in SSN intranet website. |
| Teaching and Learning | The teaching-learning process comprises three steps. • The teacher prepares the teaching plan and it is approved by the HoD. The teacher informs the students the availability of this in the LMS (Moodle), in addition to indicating the location of other sources of information such as books for reference, CDs, illustrations, flow diagrams etc. • In the class, the teacher gives explanations for the uploaded material and gives additional information regarding the same and calls for any queries. In case of problem-oriented subjects, he/she takes the help of another teacher and gives problems for students to solve in the class itself. This is particularly helpful as in this case the instructions are given on a one to one basis, and the students shed all the inhibitions they might have, thus ensuring student centric learning. • The library has as many as 2500 CDs of live lectures of eminent professors from institutions of repute viz. IITs, in addition to free access to NPTEL lectures and this forms the self learning part of the teaching-learning process. |
| Examination and Evaluation | ? Examination andEvaluation 1. Question papers from both Internal Course Coordinators and External Subject Experts 2. Paper setting as per Bloom's Taxonomy level 3. Scrutiny of Question papers. 4. Centralized Valuation System 5. Conduct Pre-Valuation Meeting 6. Valuation of Answer Scripts – only by the Subject |

| | |
|---|---|
| | Teachers 7. Appointment of HoDs as Board Chairman 8. ICT enabled Result Processing System 9. Implementation of Revaluation System 10. Involvement of Affiliating University in Result passing board 11. Communication of End Semester Examination Result to individual student through email. |
| Research and Development | The faculty and students of SSNCE are encouraged every way to enhance research. The institute provides a seed grant of a few lakhs for each faculty to further their research, and this encourages them to apply for project funding from external agencies, apart from publishing in refereed journals. The institute also provides a student research fund of approx. Rs. 30000 per team to encourage them to work with a faculty on an idea of their own, that could lead to publications and even filing patents. The faculty is encouraged to publish in well refereed journals, with incentives. An annual research day event is held to recognize the research efforts of faculty as well as students through awards. Chemistry Separate Chemical Sciences Research Centre is available Internal Funding is given to faculty as well as students Incentives for paper publication Registration fee and TA are reimbursed for poster / oral presentations |
| Library, ICT and Physical Infrastructure / Instrumentation | ? Library, ICT and Physical Infrastructure /Instrumentation Well established intranet and LMS are in place Well established Librabry with ample amount of books and journals International level cricket ground, Football field, squash arena, air conditioned Gym are established in the campus. |
| Human Resource Management | The Human Resource Manager oversees the recruitment, Induction Orientation, appraisal processes, welfare activities and exit formalities are executed under the supervision of the management Merit based recruitment process for both Teaching and Non-Teaching staff. Induction and Orientation for new joinees and joining formalities are streamlined. Professional development / administrative training programs are organized. All policies are in place e.g. Grievance redressal policies (For staff and students), Faculty appraisal system that helps in identifying the |

| | |
|---|---|
| | Best Teachers' award and Faculty Performance Incentive scheme. Faculty promotions are based on "Career Advancement Norms" HR-MIS automation through ERP has been successfully implemented. Our compensation philosophy recognizes the immense contribution expected from our faculty and staff members toward building SSN into one of the most admired centers of higher learning and research. Compensation plan at SSN has four distinct dimensions as mentioned below: • Competitive salary, • Faculty development Programs, • reward programs and • welfare programs |
| Industry Interaction / Collaboration | ? Industry Interaction /Collaboration The following are some strategies adopted by Department of IT, towards strengthening the relationship with industries Industrial Research Consultancy ? Industrial testing (Proofing Calibration) ? Sponsored industrial research ? Use of industrial labs by SSNCE ? Use of specialized database/lab equipment of SSNCE ? Research guidance from industry ? Creation of collaborative labs / the testing center at SSNCE ? Joint research publication ? Research fellowship support ? Joint patents ? Creation of industrial chair to support research Continuing Education for Industry ? Short-Term Training Programmes ? Onsite Educational Programmes ? Part-time Educational Programmes ? Collaborative Educational Programmes Industry-Institute Exchange ? Visiting faculty from industry ? Training programmes / Short term assignments to the faculty members in industries ? Joint industrial projects for faculty ? Participation of industry experts in curriculum design ? Sabbatical level assignments to the faculty members MoU WITH LSC, MoU WITH IBM, MoU WITH MATHWORKS |

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

| E-governace area | Details |
|---|---|
| Finance and Accounts | ERP system implemented |
| Examination | By using LMS examinations are conducted. |

## 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 |
|---|---|---|---|---|
| 2020 | Data Entered in the attached file | Data Entered in the attached file | Data Entered in the attached file | Nill |

View File

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

| Year | Title of the professional development programme organised for teaching staff | Title of the administrative training programme organised for non-teaching staff | From date | To Date | Number of participants (Teaching staff) | Number of participants (non-teaching staff) |
|---|---|---|---|---|---|---|
| 2020 | Data Entered in the attached file | Data Entered in the attached file | Nill | Nill | Nill | 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 |
|---|---|---|---|---|
| Data Entered in the attached file | Nill | Nill | Nill | Nill |

View File

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

| Teaching | | Non-teaching | |
|---|---|---|---|
| Permanent | Full Time | Permanent | Full Time |
| Nill | Nill | 5 | Nill |

6.3.5 – Welfare schemes for

| Teaching | Non-teaching | Students |
|---|---|---|
| Staff engagement activities: -Teacher's day celebrations -Staff families get together and excursions Annual heath check up with dental coverage Medical coverage – Domiciliary and Hospitalization, Group term life and Group | Annual heath check up with dental coverage Medical coverage – Domiciliary and Hospitalization, Group term life and Group personal accident scheme Marriage gift New born child gift Diwali gift Cash award to best | Group accident policy On campus doctor and clinic On campus counselling center |

| personal accident scheme Leave travel Assistance Marriage gift New born child gift Diwali gift Cash award to best teaching faculty Maternity benefits Access to Indoor and outdoor games 24/7 Doctor on call Library facility On campus Bank, ATM, Unisex saloon, Laundry service Wifi and Intercom facility Security and CCTV Facility Staff Quarters Incentive schemes | teaching faculty Maternity benefits Access to Indoor and outdoor games 24/7 Doctor on call Library facility On campus Bank, ATM, Unisex saloon, Laundry service Wifi and Intercom facility Security and CCTV Facility Staff Quarters Bonus / Performance Bonus | |
|---|---|---|

## 6.4 – Financial Management and Resource Mobilization

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

"BSR Associates are statutory auditors of SSN Trust, who perform statutory audit and also file form Tax Returns for SSN Trust on yearly basis. In addition, SSN Trust is thoroughly reviewed by in-house internal audit department headed by professionally qualified CA with more than 25 years of industry experience which perform in-depth internal audit across all departments at regular intervals. The report is submitted to audit committee, constituted of CFO, Trustees and Independent member, who has rich audit experience of around 40 Years".

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 |
|---|---|---|
| Data Entered in the attached file | 14750000 | Funding the education of Rural students |
| View File | | |

6.4.3 – Total corpus fund generated

| 14750000 |
|---|

## 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 | Due to COVID-19 - done Intra-departmental audit TUV NORD | Yes | Senior faculty members of SSNCE |
| Administrative | Yes | TUV NORD | No | Nill |

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

Parents of the students who failed in more than two subjects in continuous assessment tests and less than 75 attendance are called for meeting with

teachers who handle subjects. Report on this parent-teacher meeting is recorded and maintained in the class in charge file.

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

Health awareness program Sexual harassment awareness Whistle blower policy Fire safety program Essentials of soft skills, interpersonal skills and laboratory documentation in line with NBA accreditation organized by Dept. of Automobile Engineering, Rajarambapu Institute of Technology, Maharashtra-415414from 26th to 30th May 2020. 1. Communication Skill development courses were organized 2. Online certification courses were completed 3. Domain specific skill development training offered BME Support staff have attended the following workshops. 1. Medical devices Testing and Calibration 2. Workshop on Digital Signal Processor Applications with TMS320C6748 (OMAP L-138) 3. Statistics using SPSS tool for Biomedical Applications 4. Biosensors and Telemedicine using IOT 5. Rehabilitation and assistive Technology

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

1. To develop documentation software tool for the department/college to reduce paper consumption. 2.To improve the coding skills of students by organizing competitions through coding club 3. To submit at least one student level proposal for internal funding involving other departments. SSN Institutions Ethical Committee (IEC) second meeting was conducted during August 2019. CSE 1. Autonomous status 2. Program Assessment Committee (PAC) for UG and PG ensures the quality of lesson plan, course assessment tools and question papers 3. Syllabus for autonomous are maintained using GitHub which is helpful for version control. 4. Number of faculty research publications, consultancy projects and external funded projects are improved since last accreditation.

## 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 |
|---|---|---|---|---|---|
| 2020 | Data Entered in the attached file | Nill | Nill | Nill | Nill |
| View File | | | | | |

# CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

## 7.1 – Institutional Values and Social Responsibilities

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

| Title of the programme | Period from | Period To | Number of Participants | |
|---|---|---|---|---|
| | | | Female | Male |
| Women Empowerment Competitions | 29/02/2020 | 29/02/2020 | 15 | Nill |

## 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 |
|---|
| SSNI is housing 600 kW solar power plant. A) Average power production through our solar plant (per day) is around: 2200 units. B) Average power consumption per day from TANDETCO is 8500 units. (excluding solar power plant) C) Our campus per day total power requirement is(AB) :10700units. D) Renewable energy produced from our campus is: 20.26 E) Now we are installing another 750 KW solar power plant in our campus. It will start its power production from January 2021.It will give another 2700 units per day. After January 2021 Our power production through our own renewable energy plant (solar power plant) would be 45.00 |

## 7.1.3 – Differently abled (Divyangjan) friendliness

| Item facilities | Yes/No | Number of beneficiaries |
|---|---|---|
| Physical facilities | Yes | 3 |
| Provision for lift | Yes | 3 |
| Ramp/Rails | Yes | 3 |
| Rest Rooms | Yes | 1 |
| Scribes for examination | Yes | Nill |

## 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 |
|---|---|---|---|---|---|---|---|
| 2020 | Nill | Nill | Nill | Nill | Nil | Nil | Nill |

No file uploaded.

## 7.1.5 – Human Values and Professional Ethics

| Title | Date of publication | Follow up(max 100 words) |
|---|---|---|
| Student's code of conduct | 01/06/2019 | Every year issued to the students |

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

| Activity | Duration From | Duration To | Number of participants |
|---|---|---|---|
| Nil | Nil | Nil | Nil |

No file uploaded.

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

1.Tobacco free campus 2. Plastic free campus 3. Organic farm started by YRC 4. Growing tree across the campus 5. Solar powered geysers at campus hostels 6. Solar powered charging points 7. Bicycles to commute within the campus 8. Recycling of waste water and irrigation of plants in campus

## 7.2 – Best Practices

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

Use of Panopto ii. Central evaluation even for CAT ( 1st semester and 3rd

semester) • Outcome Based Education (OBE) and Rigorous learner-centric teaching helped in improving the evaluation of teaching learning process. • Usage of LMS for content delivery • Consistent mentoring of the students • One hour allotted per week • Preparing mentoring report every month • Tracking slow learners and involving in parents' meetings

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

https://www.ssn.edu.in/wp-content/uploads/2021/01/6.-Best-practices.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

- Active research practices leading to o increased publications in Journals o sponsored projects • Innovation centre and SSN BEST Centre that facilitate faculty / students / alumni to transform their innovative ideas into products.
  - Improved Industry Interaction resulting in o internships for students o consultancy projects for faculty members

Provide the weblink of the institution

https://www.ssn.edu.in/wp-content/uploads/2021/01/7.-Distinctive-of-the-institution.pdf

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

Maths :Planning to offer elective courses based on the requirement of the core departments CHEMICAL Engg: 1. Planned to get external funded research projects from2no'sto 3no.s 2. To sustain the pass of student performance at 97 and to improve to 99 3. Internship/Field projects in industries by students will be increased from 123 numbers to 130. 4. To increase the enrolment of Ph.D. 5. Increasing the publications by at least 5 of each and every faculty from the current level. 6. To sign MoU / Collaborative for research with industries and Institution from 1 to 2. 7. Student higher education studies will be increased by 20 to 25 8. Aiming to get ranks in competitive examinations viz., GATE / CAT 9. To sustain or to increase the of university ranks received from 80 to 85 10. To encourage the students to participate in the National level competition viz., Smart India Hackathon, Project competition etc., IT 1. To implement flipped classroom concepts for better utilization of in-class hours. 2. To video record lectures for all courses, and share them with students to facilitate online learning. 3. To introduce MCQs at K3/K4 level (Blooms taxonomy) in continuous assessment tests, either partially or fully. Chemistry • To conduct Virtual laboratory classes • To adopt Flip class teaching methodology Civil • To start PG programme in the field of Structural Engineering. • To undertake consultancy projects in Civil Engineering. CSE 1. To achieve more than 92 pass percentage in each subject and an overall pass percentage of above 85. 2. To achieve a class average mark of more than 67 or 6.7 Avg. GPA in each subject. 3. To achieve at least 35 research publications in International Conferences and Journals. 4. To achieve at least 10 University ranks in UG and 2 University ranks in PG. 5. To submit at least 6 research proposalsto funding agencies. 6. To conduct at least 6 workshops and 2 FDPs. 7. To arrange at least 8 guest lectures in various areas. 8. To facilitate at least 50 internships for students where at least 3 internships are in MNCs/ Universities abroad. 9. To facilitate at least 2 consultancy projects through Industry collaboration. 10. To promote interaction with the academic community by delivering at least 8 talks / lectures by our faculty in other institutions. 11. To organize an International Conference. 12. To conduct at least 2 coding contests by the student chapters of the various professional societies to nurture the programming skills. 13. To deploy the flipped classroom and active learning pedagogical approach with atleast 25 to 40

in every course. SACE: TO OFFER MORE PROGRAMS WITH INDUSTRY COLLABORATION