



## YEARLY STATUS REPORT - 2020-2021

<b>Part A</b>	
<b>Data of the Institution</b>	
<b>1.Name of the Institution</b>	SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY
• Name of the Head of the institution	Dr. G. Suresh
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	08414224166
• Alternate phone No.	08414224177
• Mobile No. (Principal)	9347363999
• Registered e-mail ID (Principal)	induprincipal@gmail.com
• Address	Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist
• City/Town	Hyderabad
• State/UT	Telangana
• Pin Code	501510
<b>2.Institutional status</b>	
• Autonomous Status (Provide the date of conferment of Autonomy)	19/06/2014
• Type of Institution	Co-education
• Location	Urban

• Financial Status	<b>Self-financing</b>				
• Name of the IQAC Co-ordinator/Director	<b>Dr. N.C. Sendhil Kumar</b>				
• Phone No.	<b>08414224166</b>				
• Mobile No:	<b>8667689314</b>				
• IQAC e-mail ID	<b>sendhilkumarsriindu@gmail.com</b>				
<b>3.Website address (Web link of the AQAR (Previous Academic Year)</b>	<a href="https://sriindu.ac.in/wp-content/uploads/2020/10/NAAC-AOAR-REPORT-2019-20.pdf">https://sriindu.ac.in/wp-content/uploads/2020/10/NAAC-AOAR-REPORT-2019-20.pdf</a>				
<b>4.Was the Academic Calendar prepared for that year?</b>	<b>Yes</b>				
• if yes, whether it is uploaded in the Institutional website Web link:	<a href="https://sriindu.ac.in/wp-content/uploads/2020/12/revised-academic-calender-for-II-III-IV-year.pdf">https://sriindu.ac.in/wp-content/uploads/2020/12/revised-academic-calender-for-II-III-IV-year.pdf</a>				
<b>5.Accreditation Details</b>					
Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
<b>Cycle 1</b>	<b>B++</b>	<b>2.81</b>	<b>5</b>	<b>02/11/2018</b>	<b>02/11/2023</b>
<b>6.Date of Establishment of IQAC</b>			<b>05/08/2016</b>		
<b>7.Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?</b>					

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
CSE	Modernization and Removal of Obsolesces MODROB	AICTE	20/07/2020	1400000
Sri Indu College of Engg. & Technology	SPICES	AICTE	05/03/2021	100000
CSE	ISTE	AICTE	05/03/2021	300000
Sri Indu College of Engg. & Technology	MIC - IIC	MIC	05/03/2021	12000

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

<ul style="list-style-type: none"> <li>Upload the latest notification regarding the composition of the IQAC by the HEI</li> </ul>	<a href="#">View File</a>	
---	---------------------------	--

**9. No. of IQAC meetings held during the year****2**

<ul style="list-style-type: none"> <li>Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?</li> </ul>	<b>Yes</b>
--	------------

<ul style="list-style-type: none"> <li>If No, please upload the minutes of the meeting(s) and Action Taken Report</li> </ul>	No File Uploaded
--	------------------

**10. Did IQAC receive funding from any funding agency to support its activities during the year?****Yes**

<ul style="list-style-type: none"> <li>If yes, mention the amount</li> </ul>	<b>1800000</b>
--	----------------

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

? Established Incubation cell & Adopted NISP Implementation Scheme as part of innovation Cell

? Renewed UGC Autonomous Status till 2025

? Completed Soft-skills Training and Technical Training through TPO to focus on placements.

? Achieved Good placements in Top MNCs.

? Participated in ARIIA, NIRF Ranking Schemes. ? 67 webinars, seminar, workshops and Hands on were conducted to upskill the students & faculties technical fitness. ? Department of Electronics and Communication Engineering has got Accredited by NBA.

**12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:**

Plan of Action	Achievements/Outcomes				
Initiative need to be taken for new emerging courses	Got Approval for One new emerging course CSE (AI & Data Science)				
Strong Research and corporate level Faculty training in Industries required to be supported.	International journal publications are improved to 165 and 11 faculty members were attended innovation ambassador training program. Sent Application for Research Centre Recognition of CSE under JNTUH.				
More proposals are to be submitted for external funding	Sanctioned 1,00,000 fund from AICTE for establishing students club under SPICES. Conducted MoE Sponsored 4 impact lecture.				
Alumni association need to be strengthen and plan for meeting	Conducted virtual & physical interaction and also 2 alumni members were conducted webinar on employability skills and job scope.				
More technical events to be conducted	38 technical events were conducted under institution's innovation council.				
Students Support Survey need to analyzed	Completed survey with strong key aspects				
Placement activities required to be reviewed	49 companies were visited both online/offline mode and 696 were got placement.				
<b>13. Was the AQAR placed before the statutory body?</b>	<b>Yes</b>				
<ul style="list-style-type: none"> <li>Name of the statutory body</li> </ul>					
<table border="1"> <thead> <tr> <th>Name of the statutory body</th> <th>Date of meeting(s)</th> </tr> </thead> <tbody> <tr> <td>IQAC</td> <td>02/12/2021</td> </tr> </tbody> </table>		Name of the statutory body	Date of meeting(s)	IQAC	02/12/2021
Name of the statutory body	Date of meeting(s)				
IQAC	02/12/2021				
<b>14. Was the institutional data submitted to AISHE ?</b>	<b>Yes</b>				

- Year

Year	Date of Submission
02/03/2020	02/02/2022

### Extended Profile

#### 1.Programme

1.1 15

Number of programmes offered during the year:

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

#### 2.Student

2.1 3954

Total number of students during the year:

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

2.2 972

Number of outgoing / final year students during the year:

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

2.3 3838

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

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

#### 3.Academic

3.1	15
Number of courses in all programmes during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.2	259
Number of full-time teachers during the year:	
File Description	Documents
Institutional Data in Prescribed Format	<a href="#">View File</a>
3.3	227
Number of sanctioned posts for the year:	
<b>4.Institution</b>	
4.1	300
Number of seats earmarked for reserved categories as per GOI/State Government during the year:	
4.2	99
Total number of Classrooms and Seminar halls	
4.3	1250
Total number of computers on campus for academic purposes	
4.4	154598264
Total expenditure, excluding salary, during the year (INR in Lakhs):	

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

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

The Institute has the systematic procedure for development, revision and implementation of curriculum of all the departments. The Primary objective of the institute is to create Techno-Managerial power for the global needs. The curriculum is designed carefully by addressing the recent technologies and the opportunities existing in regional and global level with all necessary fundamentals.

#### Factors for Curriculum Design:

The Curriculum is designed to ensure that the students have the required domain knowledge, skills and attitude. The factors considered for design of curriculum are: (i)The Program Specific Outcomes of professional bodies, (ii)Syllabus of various reputed Indian and International Universities (iii)Syllabi of various competitive exams like GATE, IES, etc, (iv)Suggestions by industry experts and alumni, (v)Model curriculum prescribed by AICTE  
Implementation of Outcome Based Education (OBE) in the Curriculum:

- The initial phase for ensuring academic quality is the design of the curriculum, in particular, the types of courses, the number of electives, and the curricular structure, with complete details of the course title and course contents as per the regulations.
- The next phase, the Course Outcomes (COs) for every course is mapped with the Program Outcomes (POs) of NBA and the Program Specific Outcomes (PSOs) of the program.
- An effective implementation of this Outcomes Based Education (OBE) ensures that our graduating engineers have all the 12 POs defined by NBA, and hence can compete on a global platform, and have expected global attributes. Specific to every program, we have 3-5 Program Educational Objectives (PEOs) that are measured through the performance of the alumni

The Institute keenly observes the attainments of PEO, PO and PSO for the respective programs which intern relates to Vision and Mission of the institution and Department as well.

#### Process for Curriculum Design:

The initial version of the curriculum is prepared by having the above design criteria, through discussions with stakeholders. The proposed curriculum is then discussed in departments and is put forth to BOS (Board of Studies) where the experts from industry, academia, Alumni in addition to senior faculty members. The curriculum is then placed for approval during the Academic Council



(AC).

The initial version of the curriculum is prepared by having the above design criteria, through discussions with stakeholders. The proposed curriculum is then discussed in departments and is put forth to BOS (Board of Studies) where the experts from industry, academia, Alumni in addition to senior faculty members. The curriculum is then placed for approval during the Academic Council (AC).

The academic autonomy of the Institution provides the opportunity to frequently revise the curriculum based on needs and suggestions from various stake holders. In last five years the syllabus of UG programmes was revised in 2012, 2014, 2016, 2018 and 2020 and for PG in 2016, 2018 & 2020. Since the institution is situated in the rural area, revision of the curriculum focuses mainly on introducing new courses with multiple facets for improving the soft skills, general aptitude and technical aptitude.

The students are made mandatory to upgrade their knowledge by undergoing MOOCS courses through NPTEL & Course Era. Further the Internship made compulsory for all the students and as a result the student can upgrade the knowledge base in diversified fields. In addition to the curriculum, student's skills are upgraded by conducting various value added courses and become industry ready.

File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/1.1.1-Upload-additional-information-if-any.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/1.1.1-Upload-additional-information-if-any.pdf</a>

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

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

17

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 1.2 - Academic Flexibility

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

5

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

## 1.3 - Curriculum Enrichment

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

In order to integrate the cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics, The College has imbibed different types of courses in the curriculum, some enhance professional competencies while others aim to inculcate general competencies like social values, human values, environment sensitivity etc., thereby leading to the holistic development of students.

The courses on Ethics, Human Values, Human Resources & Organizational Behaviour and Community Outreach (HVCO) through NSS and NCC, Environmental Studies are embedded in the curriculum of all programmes.

#### 1. Gender Sensitivity

Gender sensitivity and gender sensitization is accomplished through amalgamation of theory and practice. There are many platforms for hands-on experiences related to gender sensitivity which enable students to interface with real life situations such as field work, community outreach, and gender sensitization activities under Women Advisory Committee (WAC).

The WAC (Women Advisory Committee) was constituted and has been functioning in formal sense since 2002. It is reconstituted as WAC & ICC (Women Advisory Committee and Internal Complaints Committee) from 2017. The cell aims to enable Women faculty and girl students to explore their imminent potential in all aspects, providing a congenial working environment for them.

The events such as Quiz, Miss-Ethnic, Role-Play and Elocution Competitions on Women Empowerment and Great Women Personalities are conducted. The programme on "Gender Sensitization and Social Responsibility" was conducted. Around 10 programmes like "Awareness on Sexual Harassment at Work Place", "Theme: Laws related to Women", "Cervical Cancer Awareness", "An Orientation on Behavior and Discipline of Girl Students", "Violence against women-Safeguards-awareness of women laws" were conducted in last five years.

#### 2. Human Values and Professional Ethics

A course of one credit on human values "Professional Ethics and Human Values" is offered as Subject / open elective to all the students to take at least once during the programme of study. IN

view of Social development activities like working in NGOs, organizing blood donation camps, health check-up camps, hygiene and health workshops, environment awareness camps, river cleanliness drive, workshops on social issues, public health, gender issues etc. All the activities of are monitored by faculty in-charge at each institution/campus.

As an integral part of student engagement in social activities during their programme of study, college also mandates all the students to enroll as NSS/NCC Volunteers. It aims at inculcating values, ethics and socially responsible qualities. Students organize street plays, awareness campaigns, debates etc. Human values activities by students are being conducted since inception.

### 3. Environment Science

A course of 3-4 credits is included in all UG programmes. In order to sensitize students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, industry visits and field excursions were organized for students of all programmes. Environment Day, Earth Day, Water Day are celebrated every year, where students actively participate. Workshops and seminars on various aspects of environment sustainability are organized periodically.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

27

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.3 - Number of students enrolled in the courses under 1.3.2 above****11190**

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.3.4 - Number of students undertaking field work/projects/ internships / student projects****1938**

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.4 - Feedback System**

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

**A. All 4 of the above**

File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://sriindu.ac.in/aqar-2020-2021/">https://sriindu.ac.in/aqar-2020-2021/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://sriindu.ac.in/aqar-2020-2021/">https://sriindu.ac.in/aqar-2020-2021/</a>
Any additional information	<a href="#">View File</a>

## TEACHING-LEARNING AND EVALUATION

### 2.1 - Student Enrollment and Profile

#### 2.1.1 - Enrolment of Students

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

2020-21 - 1132, 2019-20 - 1066, 2018-19 - 1076, 2017-18 - 1065, 2016-17 - 1135

File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

2020-21 - 965, 2019-20 - 737, 2018-19 - 745, 2017-18 - 857, 2016-17 - 859

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

### 2.2 - Catering to Student Diversity

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

The institution has well-planned multi-level strategies that are implemented from time to time to address the issues of diversity in students' learning levels. Initial cues of the students' learning abilities are obtained from their performance in the qualifying examination, entrance examination and the induction training program conducted immediately after the admission. Since then, the students are trained by the respective faculty members during their course work, catering to their needs and putting conscious effort to remove

their difficulties.

The actual stratification of students into slow, average and advanced learners is based on their performance in the I series of internal examinations and a continuous follow-up taken up thereafter till the course completion by the concerted efforts of teaching faculty, course coordinator and Head of the department.

- Special remedial classes are arranged for the slow learners before or beyond the regular class schedule on specific days for each course and individual attention is paid for improving the students' level of learning, problem solving and presentation.
- Simultaneously, the needs of the average, progressive and advanced learners are taken care of by the concerned faculty through assignments, seminars, and more importantly peer-group discussions. Peer group learning is always found to yield good results as all the members are benefited. The advanced learners will derive satisfaction and get motivated for further in depth learning while the slow and progressive, average learners get their doubts clarified with the lucid, hesitance-free academic discussions.
- Slow learners are further assisted through individualized counseling by the resident faculty in Educational Psychology of the institution and the regular counseling sessions by the class in charges. Most of the students' problems resolved by these efforts and if felt necessary, the parents are called in for additional help to their ward.

Slow learners are given special attention to improve their performance through one or more of the following:

- The College has been conducting a study on incremental Academic growth of different categories of students from their performance at the examinations.
- The soft and communication skills are given special emphasis for the students from rural Background to improve these skills and thereby bring them at par with regular learners.
- Academic Performance of the students from disadvantaged sections of society, differently abled, slow learners, economically weaker sections etc.. is spotted by the teachers during their lectures in classrooms.
- Remedial classes are held for these students after college hours (based on result analysis)
- Providing study material ( If required)

To support the advanced learners, college conducts /encourages

Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like:

- Encouraging the students to participate in seminars, Workshops and Conferences.
- Special training to motivate students to present papers in seminars / conferences.
- Offering special coaching for GATE, GRE, TOFEL / IELTS and IES exams.
- Encouraging them to participate in science expos in order to design and build working models in order to give shape to their inherent ideas.

Providing opportunities to develop their creativity by organizing intercollegiate as well as national level cultural, literary, and technical and sports Competitions.

It is quite often noted that the slow and average learners become more motivated and start performing well in academics after participation in the technical, sport and cultural activities. The feel of 'recognition and appreciation' of their efforts and skills put them in a good stead.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.2.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.2.1-Upload-any-additional-information.pdf</a>

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

Year	Number of Students	Number of Teachers
01/06/2020	4339	250

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



## 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

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

1. Design/development of solutions: Students attempt to develop solutions for complex engineering problems and design system components/processes that meet the specified needs of real-time cases through group analysis, brainstorming etc.
2. Mind Maps for creativity: Teachers create a central node on a Mind Map and provide students the freedom to expand and develop novel ideas.
3. Flipped Classes, blended learning and model making methods are introduced for selected topics to enhance participative learning.
4. Students are encouraged and presently made mandatory to take (Massive Open Online Courses) MOOCs , NPTEL, Course Era offered by premier institutions of the country. They include online lectures, demonstrations and interaction through skype sessions.
5. Project works involving latest technologies and use of advanced soft-wares like ANEKA 5.0 Cloud Computing, Hardware with IAAS Open Stach, MATLAB, CAD/CAM, are encouraged.
6. Participation in professional societal activities of IEEE, ISTE, ACM, CSI, IETE etc. are currently mandatory.
7. Proficiency in soft and communication skills through lab sessions.
8. GTP / CRT Training Classes and Company specific training classes.

### Industry interaction and summer training

1. Industrial / field visits, Practical training / internship at Industry and/or renowned institutions like TCS, Infosys, BSNL, CITD, Power Stations and Plants, HMT etc. are mandatory at present.

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

#### Experiential learning

1. Practical courses (laboratory) including virtual labs are made compulsory in the curriculum.
2. Technical know - how regarding maintenance and repairing activities of various lab equipment.
3. Different learning methods viz. problem-based, case-based, project-based, inquiry based, computation-based, co-operative (work- or community-based) are implemented wherever feasible.
4. Students are encouraged to take up innovative projects and mini or Major projects.
5. Organization of exhibitions and open houses projecting senior students' achievements on regular basis are a source of motivation for younger students of the college.
6. Conducting investigations for solving complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
7. Studio performances are practised to facilitate learners understand the deficiencies, leading to improvement in further endeavours. These sessions remove fear, tension, and deterring emotions.

#### Problem solving methodologies adopted are

1. Giving assignments and quizzes at the end of instruction of each unit.
2. Case Study Analysis and Discussion.
3. Product Design and development.

All academic activities are aimed at elevating the students' knowledge, skills and build confidence in them.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.3.1-Upload-any-additional-information.pdf</a>

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

The SICET Faculty members are practicing effective content delivery by using ICT tools in the class room for better understanding and reinforcement of the concepts and problem-solving is also adopted. ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience. The institution has the needed resources which include wide availability of computers in engineering departments and library, high speed internet access and general ICT knowhow among the students and the faculty. The faculty are trained for the efficient use of tools through training sessions at the institute and/or faculty development programmes.

Teaching/Learning methodologies include the use of ICT tools for illustrations and special lectures, field study, case-studies, project-based-methods, experimental methods, flipped class room sessions etc.

The conventional lecture method facilitates the teacher to interpret, explain and revise the content of a topic, only for better understanding of the subject by the learners. At the end of instruction of each unit, the students are given specific assignment which enriches their learning. To enhance the effectiveness, lectures are presented as 'learning dialogues' including short intermissions facilitating the students to recapitulate the acquired knowledge by way of answering a few questions or a brief peer group discussion or a think-pair-share activity or any other relevant interactive session. Thus, the blended mode of learning which combines direct tutor-taught interaction with the online learning is largely implemented.

ICT components are embedded in the course contents of all relevant engineering disciplines which include free / commercial software used for computation / simulation such as the use of MATLAB for solving linear or differential equations and statistical analysis of experimental results in project works. ICT for course delivery includes power point presentation, video conferencing or educational websites. MOODLE on our college website is a mandatory ICT tool for learning process and resource management, and it also enables monitoring of students' learning process through online quizzes, submission of online assignments etc. It helps our students in blended learning, flipped classroom and other e-learning projects.

ICT enabled Teaching-Learning Process is supported with Regular Practical Sessions, access to Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals, Online tests, Use of LCD

projectors for seminars and workshops, productive use of educational videos, and accessibility of non-print material for students of different disciplines. Communication skills training facility is enriched with ICT tools to make the students acquire proficiency in listening, speaking, reading and writing skills.

The case study and the project-based learning methods, which are participatory, discussion/demonstration based ways of learning, enable students gain the skills in critical thinking, communication, and group dynamics and reflect appropriate integration of direct and online interaction of the participating members. As engineering courses are of quantitative nature, embedded with step by step solving of innumerable problems, hands-on sessions in the labs and internships at work places, faculty and students find ICT tools indispensable.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://sriindu.ac.in/videos-photos-of-ict/">https://sriindu.ac.in/videos-photos-of-ict/</a>
Upload any additional information	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

259

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

#### 1. Academic calendar

The IQAC collects the plan of action from Department and Section heads and puts in the Academic Committee that prepares a well-planned Academic calendar. It is printed and displayed in the notice boards, and kept in the college website. The calendar, made

available to the students before the commencement of classwork, includes:

- First and last day of instruction, schedules of internal and external exams, preparation holidays for final examinations, and vacation periods.
- Academic calendar is strictly adhered to. However, in case of any unforeseen situations which are beyond the control of the institution, necessary change is made by the authorities and the same is displayed in notice boards and websites.

## 2. Teaching Plan

Heads of the departments conduct meeting with their respective faculty well in-advance of commencement of the semester course work, and allocate subjects. A unit-wise teaching plan of the course content, spread over the allotted lecture hours, is prepared to ensure a uniform pace of teaching. Course-coverage is monitored by the concerned HOD once in a fortnight and deviations if any, are clarified with the concerned faculty and special class work is planned.

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

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

- Course prerequisites
- Course objectives and outcomes
- Mapping of course outcomes with program outcomes
- Learning resources
- Delivery methodologies - LBD (Learning by Design).
- Assessment methods
- Detailed unit wise lecture plan
- Assignment and tutorial questions

- Model question paper
- Link to the video lectures
- Additional information over and above the curriculum

The copies of the same are maintained in the department and also in the Academic section. The web link for the teaching plan is available at <https://sriindu.ac.in/>. Adherence to the academic plan is followed by the faculty and details are recorded in the Attendance and Evaluation Records hosted on the academic activity portal of the institute. Academic Audit Cell will audit the Academic plans of each faculty and the audit reports are submitted to the Heads of the departments for necessary follow up action.

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

## 2.4 - Teacher Profile and Quality

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

259

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

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

28

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

### 2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time

**teachers' total teaching experience in the current institution)**

259

File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**2.5 - Evaluation Process and Reforms****2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during the year**

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

65

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

1. Sri Indu College of Engineering and Technology had made complete automation of examination processes, which helped in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, seating arrangement, attendance monitoring, coding and decoding of scripts, marks data entry, producing result processing and result analysis by Examination

software tool, BEES thus facilitated result processing with accuracy.

2. Online Website broadcasting updated notifications, schedules, events can greatly help various

stakeholders including parents, students etc. has been implemented.

3. Establishment of Student Facilitation Center for online support.

4. Payment gateway is also available for the payment of various fees online by the students to make the registrations online for various services.

5. Sri Indu College uses the OMR technology for the printing of preprinted bar coded answer booklets thereby avoiding manual coding of answer booklets, scanning the marks slips and processing the results and printing the reports, Semester memos, Provisional Certificates (PC's) and Consolidated marks memos (CMM's).

6. Online collection of Mid marks from all the departments.

7. Online student registrations for End Examination being done through Examination software tool BEES.

8. Student profiles which includes photograph, student name, AADHAR number, Contact number, Parent name and contact number, email id of student, branch, course, receipt numbers are being maintained by BEES software.

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

10. OMR and Barcode technology on cover page of answer sheet is used for all the faculties.

11. QR code being used in marks memos for security reasons and to avoid any tampering.

12. Digitization of OMR part-1 in which evaluator has awarded marks by using Scanner and ScandAllPro software is used for converting OMR's to images for further result processing.

13. Sending SMS to students informing about Examination dates, exam fee payment dates,



attendance updates, results has facilitated students as well as parents.

14. Sri Indu College has successfully implemented the curriculum as per the guidelines of the UGC/AICTE.

15. This Institute has made available the detailed scheme of instructions, examination pattern and syllabus in a book form for the students.

16. Sri Indu College of Engineering and Technology(Autonomous) adopts Centralized Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continual basis throughout the year.

17. In order to provide more academic flexibility for the students, the Choice Based Credit System (CBCS) has been introduced for UG and PG programmes. Grading System is being implemented in the evaluation and assessment of students in place of percentage of marks.

18. Board of Studies members consisting of one professor appointed by the university, one senior Faculty member from our college and other faculty members meeting will be held to discuss the reforms and discrepancies in the syllabus during Board meeting.

19. Orientation on Evaluation Process: An initiative has been taken to create awareness among student community at the beginning of semester through orientation programme.

20. Evaluation procedures being explained to students and regulations being printed in the form of a book and distributed.

21. Academic calendar mentioning the dates of Mid and End Examinations being prepared and distributed to the students, display in notice boards and also updating in the College website.

22. Sri Indu College of Engineering and Technology Strictly adhere to Academic calendar.

23. Tutorial meetings being conducted to create awareness on amendments in the evaluation process.

24. For fair conduct of examination, picking of room numbers through a draw system for

Invigilators have been successfully planned and implemented.

25. Creation of Question bank for setting mid examinations.
26. The Question paper setting as per BLOOMS Taxonomy has been following. Question paper is being thoroughly scrutinized for maintaining uniformity of coverage of syllabus and mapping of BT levels and Course Outcomes (CO)s among all the units. Sending paper setting requests through confidential mail maintained by the Dean.
27. Result analysis which is generated in the autonomous Annex is utilized by the teaching faculty after declaration of every semester examination results, where pass percentage is calculated and monitored by the principal and necessary feedback is given to the concerned faculty members.
28. Sri Indu College monitors the performance of the students and reports are being sent to parents after declaration of each semester results.
29. Parents/guardians are advised to take remedial measures to improve the performance of their wards.
30. Remedial Classes are being conducted for the slow learners, more absented students, sports students etc.,
31. The External Examinations for both theory and practical subjects is of 3 hours. The students with 75% attendance are only eligible to appear for the End Examinations, however students with an attendance of 65% -75% are condonable under various conditions.
32. A key to Examination question papers are prepared and provided to the paper evaluator during evaluation process.
33. Supplementary Examinations will be conducted as per the Academic calendar for both U.G. and P.G. Courses for the students who failed in 1 or more subjects.
34. Provision for Challenge evaluation system has been introduced.
35. Grievances of the students are addressed in the form of Re-counting and Revaluation, as the student applies for recounting/re-evaluation a standard procedure is adopted and clears the grievances from time to time.
36. Various reforms at administrative level has been implemented to ensure speedy processing of examination steps, complaints, correspondences, issue of various certificates.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/agar-2020-21/criteria-2/">https://sriindu.ac.in/agar-2020-21/criteria-2/</a>

## 2.6 - Student Performance and Learning Outcomes

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

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and the stakeholders. After attainment of consensus, the same are widely propagated and publicized through various means such as display and/or communication specified hereunder.

- Website
- Curriculum /regulations books
- Class rooms
- Department Notice Boards
- Laboratories
- Student Induction Programs
- Meetings/ Interactions with employers
- Parent meet
- Faculty meetings
- Alumni meetings
- Professional Body meetings
- Library

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

Program specific outcomes (PSOs) are the specific skill requirements and accomplishments to be fulfilled by the students at micro level and by the end of the program. The programme co-ordinators prepare the PSOs, usually two to four in number, in consultation with course coordinators. The BOS, including Head of the Department and subject experts, of the individual departments will discuss the same and approve it after endorsement by the Principal.

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

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

The POs/PSOs of the programme are published through electronic media at individual Department site located on the college website <https://sriindu.ac.in/> The COs of the courses are also published through electronic media at the Department site located on the college website: <https://sriindu.ac.in/>. In all the interactions with the students, awareness on POs, PSOs and COs is consciously promoted.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.1-Upload-any-additional-information.pdf</a>

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

### ASSESSMENT PROCESS

#### Assessment Process for COAttainment:

For the evaluation and assessment of CO's and PO's, rubrics are used. The rubrics considered here are given below:

#### (i)CO Assessment Rubrics:

Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course. Internal assessment contributes 30% and university assessment contributes 70% to the total attainment of a CO.

(ii)CO Assessment Tools:

The various assessment tools used to evaluate COs and the frequency with which the assessment processes are carried out are listed in table.

In each course, the level of attainment of each CO is compared with the predefined targets, if is not the course coordinator takes necessary steps for the improvement to reach the target. With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated by the programme coordinator.

Table : Mapping of assessment tools to POs/PSOs with frequency

Mode of

Assessment Description Evaluation of Course Outcomes Related Frequency

Assessmen

t

Tool POs/PSOs of

assessment

Theory

Direct

Internal Two written examinations The questions in the internal PO 1 to PO 12 Two per

Examinations are conducted and its average examinations and assignment sheets are Semester

marks are considered. mapped against COs of respective

course. The questions for two internal

examinations and Assignments are

framed in such a way to cover all course

outcomes.

Direct

Assignments Two assignments are given PO 1 to PO 12 Continuous

for each course for The final attainment for each CO under

continuous assessment. direct assessment is calculated by taking

Average marks are fro

average of the CO attainments m

Considered.

Internal Examinations and Assignments.

Direct

Day to day The day to day evaluation is The final attainment for each CO is PO 1 to PO 12 Continuous

evaluation considered. calculated by taking average of the %

Direct

Internal Internal examination is evaluatio PO 1 to PO 12 One per

attainment from day to day n

Practical conducted in lab course. Semester

and Internal Lab Examination.

Examination

Direct

Industry To test student's concepts in Two Internal project reviews  
are PO 1 to PO 12 One project

review in

Oriented design, creative thinking and conducted and average of  
these two VII

Mini-Project independent analysis. Two review assessments are  
considered . Semester

project reviews are

Conducted

Comprehensiv

Direct

e To assess the student's The assessment is carried out by HoD PO 1 to PO 12 VIII

Viva Voice technical and analytical skills and three senior faculty members along Semester of

Examination in the domain of electrical With student's overall academic every B.Tech

and electronics engineering performance. Program

and also communication

skills.

Direct

Major Project To test student's concepts in Continuous assessment is carried by the PO 1 to PO 12 Three

design, creative thinking and Project review committee. First review project

independent analysis. Three emphasizes on Literature survey and reviews in

Final

project reviews are conducted Semester.

problem identification, second review on

Design methodology and the third



review on validation of the model and documentation.

The external examiner assessment is considered as another assessment tool for project work.

Final CO attainment is calculated from these two assessments.

Indirect

Alumni

This survey gives the opinion

At the end of the programme

PO 1 to PO 12

At the end of

Survey

of the student on the

Alumni survey

is collected from

Alumni an

each course

attainment of course

Considered for the PO attainment under  
Indirect assessment.

outcomes.

Indirect

Graduate Exit

This survey gives the opinion

At the end of the programme,

PO 1 to PO 12

At the end

of

Survey

of the graduate on the

graduate exit survey is collected from

the program

attainment of Programme

the graduates and considered for the PO

outcomes.

Attainment

unde

r

indirect

assessment.

(iii) Quality/Relevance of Assessment Process: Theory:

Internal Mid Tests: Internal tests serve to encourage students to keep up with course content covered in class. Two written examinations are conducted and its average marks are considered. For theory subjects, during a semester there shall be 2 mid-term examinations. Each mid-term examination consists of two essay paper and two assignment. The essay paper shall be for 25 marks each with a total duration of 1 hour 30 minutes. The essay paper shall contain 5 one marks and 4 x 5 marks. While the first mid-term examination shall be conducted on 1 to 2.5 units of the syllabus, the second mid-term examination shall be conducted on 2.5 to 5 units. Five (5) marks are allocated for Assignments (as specified by the subject teacher concerned). The first Assignment should be submitted

before the conduct of the first mid-examination, and the second Assignment should be submitted before the conduct of the second mid-examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each candidate. The questions in the internal examinations and assignment sheets are mapped against COs of respective course. The questions for two internal examinations and Assignments are framed in such a way to cover all Course Outcomes.

The questions are framed in such a way that it should satisfy Bloom's Taxonomy, wherein each question is mapped to the appropriate course outcome of the respective course, which is evaluated based on the set attainment levels by the department.

**University examination:** These end-semester examinations are of 3-hour duration and cover the entire syllabus of the course. It would generally satisfy all course outcomes for a particular course. The COs are evaluated based on the set attainment levels.

**Practical Subjects:**

**Daily Performance:** Lab courses provide students first-hand experience with course concepts and the opportunity to explore methods used in their discipline. All the students are expected to be regular and learn the practical aspects of the subject and develop the necessary skills to become professionals. In order to facilitate interaction among the students and to develop team spirit, the students are expected to carry out experiments in groups. Performance assessment is based on the ability of the student to actively participate in the successful conduct of prescribed practical work and draw appropriate conclusions. The student submits a record of practical work performed in each lab session.

For practical subjects there shall be a continuous evaluation during a semester for 25 sessional marks and 50 end semester examination marks. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned.

**University examination:** The end semester examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University.

These end-semester examinations are of 3- hour duration and cover the entire syllabus of the course. It would generally satisfy all course outcomes for a particular course. The COs are evaluated based on the set attainment levels.

**Design/ Drawing:** For the subject having design and/or drawing, (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and Estimation, the distribution shall be 25 marks for internal evaluation (15 marks for day-to-day work and 10 marks for internal tests) and 75 marks for end semester examination. There shall be two

internal tests in a Semester and the average of the two shall be considered for the award of marks for internal tests.

#### Mini-Project:

There shall be an industry-oriented Mini-Project, in collaboration with an industry of their specialization, to be taken up during the vacation after III year II Semester examination. However, the mini-project and its report shall be

evaluated along with the project work in IV year II Semester. The industry

oriented mini-project shall be submitted in a report form and presented before the committee. It shall be evaluated for 50 marks. The committee consists of an external examiner, head of the department, the supervisor of the mini-project and a senior faculty member of the department. There shall be no internal marks for industry-oriented mini-project.

#### Seminar

There shall be a seminar presentation in IV year II Semester. For the seminar, the student shall collect the information on a specialized topic and prepare a technical report, showing his understanding of the topic, and submit it to the department. It shall be evaluated by the departmental committee consisting of head of the department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 50 marks. There shall be no external examination for the seminar. The committee evaluates seminar based on following parameters.

#### Assessment Tool

##### Internal Assessment

##### Presentation

##### Viva-voce

##### Report

**Presentation:** The content, quality of the presentation and communication skill is assessed by the evaluation committee.

**Viva-voce:** At the end of the presentation, the assessment panel and the student audience ask questions and seek clarifications on specific issues related to the seminar. The effectiveness of the student's response to these queries is assessed.

**Report:** A bona fide report on seminar is submitted at the end of the semester. This report shall include, in addition to the presentation materials, all relevant supplementary materials along with detailed answers to all the questions asked/clarifications sought during presentation. All references must be given toward the end of the report. A students' ability to comprehend and write effective reports and design documentation is assessed by evaluating the report.

**Comprehensive Viva:**

There shall be a Comprehensive Viva-Voce in IV year II semester. The Comprehensive Viva-Voce will be conducted by a Committee consisting of Head of the Department and two Senior Faculty members of the Department. The Comprehensive Viva-Voce is intended to assess the student's understanding of the subjects he studied during the B. Tech. course of study. This is also to see the articulation of what is being learnt by them. The idea is to see that students are able to digest what is being taught in two full year and see their relevance not only in the practical field but also their inter relationship. The Comprehensive Viva-Voce is evaluated for 100 marks by the Committee. There are no internal marks for the Comprehensive Viva-Voce.

**Major Project:**

Major Project is intended to be a challenge to the intellectual and innovative abilities of students. It gives students the opportunity to synthesize and apply the knowledge and analytical skills learned in the different disciplines.

Out of a total of 200 marks for the project work, 50 marks shall be allotted for Internal Evaluation and 150 marks for the End Semester Examination (Viva Voce). The End Semester Examination of the project work shall be conducted by the same committee as appointed for the industry-oriented mini-project. In addition, the

project supervisor shall also be included in the committee. The topics for industry oriented mini project, seminar and project work shall be different from one another. The evaluation of project work shall be made at the end of the IV year. The Internal Evaluation shall be on the basis of two seminars given by each student on the topic of her project. Project will enable student to think innovatively on the development of components, products, processes or technologies in the field of Electronics and Communication. Students are expected to

- Perform an in depth study of the topic assigned in light of the preliminary report prepared in the seventh semester.
- Review and finalize the approach to the problem.
- Prepare a detailed action plan for conducting the investigation, including team work.
- Perform detailed analysis/ modeling/ simulation/ design/ problem solving/ experiment as needed.
- Develop a final product/ process, perform testing, arrive at results & conclusions and suggest future directions.
- Prepare a paper for Conference presentation/ publication, if possible.
- Prepare a report in the standard format for being evaluated by the Internal project Review Committee.

Assessment tools used to evaluate project work are:

Assessment Tool

Evaluator

Internal Assessment

Seminar on project

Internal project Review Committee

External Assessment

Final Report

University

## Presentation and Viva - Voce

### University

#### Process for assessing the quality of Projects:

The Internal project Review Committee and the project guide together will analyze the nature of the project and make sure that the work is environment friendly, ensures safety, ethics and cost effective. The projects are classified into different streams and their relevance to PO's and PSO's are identified to ensure its quality.

#### (iv) Attainment Levels:

Course outcomes of all courses are assessed with the help of above mentioned assessment tools and attainment level is evaluated based on set attainment rubrics as per table. If the average attainment of a particular course for two consecutive years is greater than 80% of the maximum attainment value (i.e. 80% of 3 = 2.4), then for that particular course the current rubrics for attainment must be changed to analyze continuous improvement.

#### Table. Attainment Levels of COs

### Assessment Methods

### Attainment Levels

### Internal Assessment

#### Level 1

60% of students scoring more than 40% marks in internal assessment tools



Level 2

70% of students scoring more than 40% marks in internal assessment tools

Level 3

75% of students scoring more than 40% marks in internal assessment tools

University Assessment

Level 1

60% of students scoring more than 40% marks in university examination.

Level 2

70% of students scoring more than 40% marks in university examination.

Level 3

75% of students scoring more than 40% marks in university examination.

Validation of CO-PO mapping

Course Outcome

Course Outcome mapping with Programme Outcome

Setting the CO-PO mapping with Weight-age

Setting CO Measurement through Assessment

Assessment

CO Attainment Table

PO Attainment table

Figure 9.1: The process of CO-PO mapping validation

The process of CO-PO mapping validation is given in figure 9.1 and is explained as below:

Step 1 : Obtain course outcome.

Step 2 : Mapping of course outcome with program outcome.

Step 3 : Setting weightage for CO assessment. Step 4 : CO measurement through assessment.

Step 5 : Obtain CO attainment table through direct and indirect assessment methods.

Step 6 : Obtain PO attainment table through direct and indirect assessment methods.

Assessment and Attainment methods

Assessment is one or more processes which is carried out by the institution, that identify, collect and prepare data to evaluate the achievement of course outcomes and program outcomes. Attainment is the action or fact of achieving a standard result towards accomplishment of desired goals. Primarily attainment is the standard of academic attainment as observed by test and/or

examination result. Assessment methods are categorized into two as direct method and indirect method to assess CO's and PO's. The direct methods display the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations and supporting activities such as seminars, assignments, case study, group discussion, online quiz, mini project etc., These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning. The indirect method done through surveys and interviews, it asks the stakeholders to reflect their views on student's learning. The institute assesses opinions or thoughts about graduate's knowledge or skills by different stakeholders.

CO assessment methods are employed

- Direct assessment method and indirect assessment method are considered for 80% and 20% weightages respectively.
- Internal test assessment and end semester examination assessment are considered with the weightage of 20% and 80% respectively for the direct assessment of CO.

Procedure for Attainment of Program Outcomes

At the end of the each programme, the PO/PSO assessment is done from the CO attainment of all curriculum components. As per NBA guidelines, program can appropriately define the attainment level. The attainment level may be set by the particular program or commonly by the institution. The attainment can be made as best the choice by the institution or the program by analyzing the students knowledge. This can be achieved by using different supporting activities. This attainment is mainly for the purpose of making an esteemed engineer with good analytical, practical and theoretical knowledge about the program by attaining the PEO's and PSO's of the program and the institution. For the evaluation and assessment of CO's and PO's, rubrics are used. The rubrics considered here are given below:

Attainment Level 1: 60% of students score more than 40% marks out of the maximum relevant marks. Attainment Level 2: 70% of students score more than 40% marks out of the maximum relevant marks. Attainment Level 3: 75% of students score more than 40% marks out of the maximum relevant marks.

## Assessment

### Methods

### Attainment Levels

#### Internal Assessment

##### Level 1

60% of students scoring more than 40% marks in internal assessment tools

##### Level 2

70% of students scoring more than 40% marks in internal assessment tools

##### Level 3

75% of students scoring more than 40% marks in internal assessment tools

## Assessment

### Methods

### Attainment Levels

**University (External) Assessment****Level 1**

60% of students scoring more than 40% marks in internal assessment tools

**Level 2**

70% of students scoring more than 40% marks in internal assessment tools

**Level 3**

75% of students scoring more than 40% marks in internal assessment tools

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.3.1-2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.3.1-2-Upload-any-additional-information.pdf</a>

**2.6.3 - Pass Percentage of students****2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution**

940

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.3.1-2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.3.1-2-Upload-any-additional-information.pdf</a>

## 2.7 - Student Satisfaction Survey

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

<https://sriindu.ac.in/igac/>

## RESEARCH, INNOVATIONS AND EXTENSION

### 3.1 - Promotion of Research and Facilities

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

The institute provides all necessary infrastructural facilities and a conducive environment to promote research activity in the campus in all the departments. Faculty are encouraged to apply for various funding agencies and pursue their research. However, the institute is ready to provide seed funding or partial funding based on the merit of proposals submitted by faculty or student. The faculty and students are encouraged to present their ideas / project proposals before the research committee for getting the sanction of seed funding in accordance with institute guidelines. The faculty and students are given freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies and industries. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents. The institute takes care of patent filing process, which is governed by the Research policy of the institute. The institute gives a free hand to report research results and findings. However, a thorough review is done for all research proposals seeking funding from various funding agencies by consulting the research committee comprising the R& D Coordinator, Head of respective department and subject expert(s) of the department. This committee also monitors the impact of research and

consultancy and ensures non-violation of research & consultancy ethics, professional ethics, privacy of the people, human rights, causing problems to health & safety of human beings and damage of the property. Research Centers are established in various departments of the institute with necessary software and computing facilities for carrying out research activities. One Research Center is under pipeline for the recognition under JNTUH.

#### OBJECTIVES

- To boost up the research ability of the institute by encouraging the staff members to publish their research paper in reputed conferences and referred journals.
- To nurture research skills among the faculty and students.
- To be in touch with the industrial needs that results in new or improved products, processes, systems or services that can increase the company's productivity and also for benefit for the common people.
- To nurture creativity towards research among students and faculty.
- Find the budgetary obligations and assets for funding the research.

#### BENEFITS

- To achieve excellence in R&D, Technology Innovation and Business start-ups.
- To promotes interdisciplinary culture, ethical conduct of research and compliance among students and teaching community.
- To create foster knowledge and technology transfer by engaging with government agencies, research institutions and industries.
- To produce exceptional scientific results, manage projects and grants, thus enabling an environment by addressing global challenges and encouraging economic progress in the region for the society.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/Policy-Document-on-Promotion-of-Research.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/Policy-Document-on-Promotion-of-Research.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

18.27

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

6

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>



### 3.2 - Resource Mobilization for Research

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

18.27

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

6

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://assessmentonline.naac.gov.in/storage/app/public/aqar/15884/15884_233_534.pdf">https://assessmentonline.naac.gov.in/storage/app/public/aqar/15884/15884_233_534.pdf</a>
List of research projects during the year	<a href="#">View File</a>

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

7

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

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

2

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/Policy-Document-on-Promotion-of-Research.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/Policy-Document-on-Promotion-of-Research.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

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

The Institution provides a conducive environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students. Students are encouraged to actively involve in the application of Technology for societal needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents. Awareness meets, workshops, seminars and guest lectures on Entrepreneurship are organized. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products. To produce successful entrepreneurs imbued with leadership qualities using innovative and ethical business practices to make global impact.

The 'Start-up India' program is intended to build a robust eco-system for nurturing innovation and start-ups which will in turn drive sustainable economic growth and generate large scale employment opportunities in India.

Start-up& Innovation are an entity that develops a business model based on either product innovation or service innovation and makes it scalable, replicable and self-reliant. Innovations have a strong linkage to the world of start-up. Solutions to unsolved problems form the basis for thinkers to innovate. Start-Up & Innovation are the facility established to nurture young (start-up) firms during their initial period. It usually provides affordable space, shared offices and technical services, hand-on management training, marketing support and access to some form of financing.

Sri Indu College of Engineering and Technology (SICET) formed "Start-

up & Innovation Cell" with an aim to create an integrated, college and university-based innovation ecosystem to support innovations and ideas of faculty members and young students and provide a conducive place and environment for optimum output of their thoughts and creative ideas.

The Entrepreneurial vision, defined by discovery and risk-taking, is an indispensable part of a nation's capacity to succeed in an ever-changing and fiercely competitive global marketplace. A Start-up & Innovation Cell has been established at our institute to support this vital need of the present times.

The Start-up & Innovation Cell aims to provide a platform for the convenient merger of innovative and entrepreneurial efforts. The idea is to foster and facilitate innovation and entrepreneurship among the faculty and students through mentoring, training and financing. The thrust is on innovation and incubation so as to transform a seemingly simple and novel idea into a marketable product and thus help an innovator of today to become an entrepreneur of tomorrow.

The stakeholders include students and faculty members of SICET, mentors from professional bodies, and entrepreneurs from the local community. The philosophy of the centre is that every idea, howsoever insignificant it might appear, deserves to be considered and examined for the promise it holds.

#### Functions

- To organize Entrepreneurship Awareness activities, Entrepreneurship Development Programmes and Faculty Development Programmes in the region for the benefit of S&T persons.
- To develop and introduce curriculum on Entrepreneurship Development at various levels including degree/diploma courses of the parent institution and other institutes in the region.
- To conduct research work and survey for identifying entrepreneurial opportunities.
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies
- To arrange visits to industries for prospective entrepreneurs
- To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects.

- To act as a Regional Information Centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant databases.
- To provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for Entrepreneurs besides expertise in Intellectual Property rights, Patents search, etc.
- To render advice to sick enterprises and assist the entrepreneurs in rehabilitating them.
- To conduct skill development training programmes leading to self-employments and start-up.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/3.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/3.3.1-Upload-any-additional-information.pdf</a>

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

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

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

**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

2

File Description	Documents
URL to the research page on HEI website	<a href="https://sriindu.ac.in/r-d-cell/">https://sriindu.ac.in/r-d-cell/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

185

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

11

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/r-d-cell/">https://sriindu.ac.in/r-d-cell/</a>

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

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

47

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

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

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

58

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

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

5.15

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

85000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6 - Extension Activities

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

Extension Activities aims at enabling our student/volunteers to develop social responsibility and learning by doing. Service attitude is essential for any professional to flourish in his/her job. Our extension activities has multiple dimensions such as National Service Scheme, Red Ribbon Club, Electrol Literacy Club, Road Safety Club, Unnat Bharat Abiyan, Swachh Bharath Abiyanetc. The professional as well as life skill development of engineering graduates is balanced through extension activities. Students go the adopted villages to involve themselves in the field work thereby knowing the real conditions of the villagers.

**Organised Women's Empowerment Programme.****Objectives of NSS**

- Understand the community in which they work
- Understand themselves in relation to their community
- Identify the needs and problems of the community and involve them in problem-solving
- Develop among themselves a sense of social and civic responsibility
- Utilize their knowledge in finding practical solutions to individual and community problems
- Develop competence required for group-living and sharing of responsibilities
- Gain skills in mobilizing community participation
- Acquire leadership qualities and democratic attitudes
- Develop capacity to meet emergencies and natural disasters and
- Practice national integration and social harmony

**Main Activities - Thrust Areas**

- Environment protection
- Blood donation
- Disaster preparedness
- Tree plantation
- Personal health & hygiene
- Mental wellbeing
- National integration & harmony
- Energy saving & promote renewable energy
- Life skills development

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/3.6.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/3.6.1-Upload-any-additional-information.pdf</a>

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



File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

9

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1055

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.7 - Collaboration

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

1938

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

17

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

Total Built-up Area in the institution is 34800 Sq.m. The institute has the excellent infrastructure facilities. Adequate facilities for teaching learning process are available. Laboratories are well established with sophisticated equipment. English language communication skills laboratory and e-learning centers for attending remote courses are available. Central library is with national and international journal subscription and large number of book volumes. Fully furnished seven number seminar halls and one open air theatre with good public addressing system, Wi-Fi and different seating capacities for conducting seminars/workshops/FDP and guest lectures are available. The institution has research centers to cater the needs of research scholars. There are 1190 number of computers available in the institution for the benefit of students and staff. All faculty rooms, administrative offices and department offices are provided with computer systems. Free wifi facility is provided in the campus. All the class rooms and seminar halls are provided with LCDs, Wi-Fi as ICT facility. Generator facility is available for uninterrupted power supply. There are 89class rooms, 78laboratories and 04 drawing halls in the institution.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.1.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.1.1-Upload-any-additional-information.pdf</a>

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

**Cultural:**

College has provided a number of facilities for supporting extracurricular activities related to culture, creativity, arts and recreation.

Two auditoriums (MAIN auditorium with 810m<sup>2</sup> and MINI auditorium with 645 m<sup>2</sup>) with a seating capacity of 1000 and 500 respectively was established for conducting Literary and cultural events. College will encourage students to participate in various college level, state level and national level competitions by providing financial support. On an average Rs.20,00,000/- per year was spent on arrangements. College has established cultural committee (CC) headed by Dean of Student Affairs comprises of a committee including staff and student members. The student members are formed in to a group. The cultural committee (CC) is having different clubs. The committee actively organize different events under different clubs throughout the year. Apart from various cultural events the CC organizes Student-Parent meet, Orientation day celebrations, National level technical, cultural and sports fest and Annual day celebrations every year. YOGA classes were arranged every day at Main Auditorium for the students by yoga teacher.

**Sports and Games:**

**Sports and Games:**

The Physical Education Department of SICET College of engineering has been established in 2002. It took the responsibility not only to provide the necessary infrastructure that helps the students to inculcate good habit of playing games but also to develop the sportsmanship

1. The college had earmarked five acres of land for Outdoor games namely: Cricket, Volley Ball, Basket Ball, Ball Badminton, Throw Ball and Tennycoit
2. The college is provided with Indoor games also in an area of nearly 620 Sq.m, which is furnished with Gymnasium and accommodating the indoor games like Table Tennis, Caroms, Chess etc., to horn the skills in the respective games as well as to enhance the physical fitness of the students and faculty.
3. The institution provides indoor game facilities for Table

Tennis, Shuttle, and Badminton. Full Time qualified trainers, trains students in caroms, chess, table tennis and students participate in National tournaments.

4. From the inception of the college, the Department is proudly associated in helping to conduct the JNTUHI Inter Collegiate Tournaments.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.1.2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.1.2-Upload-any-additional-information.pdf</a>

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

102

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

1289

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

## Integrated Library Management System (ILMS)

NewGenLib version 3.0.4 (Release2) is a fully web based Integrated Library Management Software that runs on distributed computers through a network or server is used for acquisition, cataloguing, circulation, procurement of books, serial control modules and Online Public Access Catalog (OPAC). All the library documents are bar-coded and books are issued to users by reading the barcode of the document. It can also run on local area networks without access to the Internet.

NewGenLib is entirely Java based, platform neutral, and uses the following related software technologies in its presentation, web server and database layers. Interface makes it possible that part of the processing works can be done by the client, thus reducing load and memory usage for sessions on the server, and unnecessary network usage.

NewGenLib's adherence to proven MARC standards for the description of serials, and the use of Captions and Patterns for expecting receipts of serial issues, so vital in serials management automation, is quite elaborate, yet quite intuitive for serial managers.

The Library offers computerized Catalogue Search Services for user community through the On-line Public Access Catalogue (OPAC) (<http://192.168.25.117:8080/newgenlibctx/>) which allows access from this service. Search book by author and title, check user's Circulation history (Issues and Returns), Know user's personnel details, library access details and latest arrival of bibliographic details of the books available in the Central Library.

Functional modules:

S. No.

NewGenLib Description

1

Technical Processing (Cataloging )

2

Circulation (Books Issue,Returns) & Renewals

3

Web OPAC

4

Student and Staff Members Entries

5

Dues Collection

6

Students Bar code print

7

View the reports of users

8

Barcode Lables Print

Central Library: GATE Visitor In and Visitor Out

Barcode system facility is available instead of the manual gate register which is made mandatory for check-in and check-out of library users. This application is very easy to analyze the statistics of visitors to the library at entrance counter.

Key features of NGL Counter

1. Single window screen available for Visitor-In and Visitor-Out
2. Simple, User friendly and no training required to use it
3. Rapid Visitor in and Visitor out functions to handle large numbers during peak visitor timings
4. Available facility, to record personal belongings and non library materials at the time of Visitor in.
5. NGL Desktop: New report is now added that gives statistical report of Visitors to the library

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.2.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.2.1-Upload-any-additional-information.pdf</a>

**4.2.2 - Institution has access to the following: e- A. Any 4 or more of the above journals e-ShodhSindhu Shodhganga Membership e-books Databases Remote access to e-resources**

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

**1208450**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

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

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

**868**

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 4.3 - IT Infrastructure

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

#### Revised institution IT Policies & Guidelines

Availability and usage of cutting-edge information Technology (IT) resources and infrastructure of an organization make its product and process qualitative as well as effective. High end IT infrastructures have become most significant resources in technical educational institutions. Realizing the importance of these, SICET took initiative way back in 2001 and established basic network infrastructure in the campus. Over the last 20 years, the active users of the IT amenities as well as the web-based application have amplified many folds.

As of now, the institution has about 1250 network connections spreading over 5 buildings in the campus and expected to reach 1600 connections in near future. There is a well established internet and intranet facilities in the campus. The whole academic campus is now Wi-Fi enabled. The total band width available at SICET is 600 Mbps.

Strong IT management policy and security measures are the necessary and effective steps to align with the Institute academic objectives and desires. Hence, SICET is proposing to have its own IT Policy that works as guiding principle for using the institute's computing facilities including computer hardware, software, email, information resources, intranet and Internet access facilities, collectively called "Information Technology ". The need of such IT policy is as follows.

- To establish, expand, maintain, secure, and ensure legal and appropriate use of Information technology infrastructure on the campus.
- Strategies and responsibilities for protecting the Availability, Confidentiality, and Integrity of the information possessions that are accessed, created, managed, and/or Controlled by the Institute.



This policy document makes an attempt to put forward some IT policies and course of action that would be relevant in the context of this Institute. Every effort has been made to have a cautious steadiness between security and the ability to conduct the rightful functions by the stake holders. Due to the dynamism in the Information Technology nature, information security in general and therefore policies that govern information security process are also dynamic in nature. They need to be reviewed on a regular basis and modified to reflect changing technology, changing requirements of the IT user community, and operating procedures. The IT policy creates and provides guidelines to help the Institute, departments and individuals who are part of SICET to understand how the policy applies to some of the significant areas and to bring conformance with stated policies. The IT policy lays down direction and provides information about acceptable and prohibited actions or policy violations.

SICET IT policy is applicable to technology administered by:

- The Institute centrally
- The individual departments
- To information services provided by the administration, or by the individual departments
- Individuals of the organization community
- Authorized resident or non-resident visitors on their own hardware connected to the institute network

SICET IT policy is also applicable to the resources administered by:

- The central administrative departments such as Library, Computer Centers, Laboratories, Offices of the Institute.
- Recognized Associations/Unions/Clubs, hostels and guest houses, or residences wherever the network facility was provided by the Institute..

The major IT infrastructures on which the stated policy applicable are:

- Computing facility
- Network Devices wired/ wireless
- Internet Access
- Official Websites and web applications
- Official Email services
- Data Storage and Access

The Institution adhere to the new dynamics of the market and scales

out hardware equipment and always encourages advanced technologies and offers high performance computational facilities to the students and faculty. The institution has always collaborated with esteemed research organizations & industry. It will maintain FTP servers to share and secure the data in R&D & administrative activities. The organization is focusing on IT quality of service maintaining latency of the network connections.

1. The institution internet bandwidth needs to be upgraded to utilize the social networking, enhance the official website and web applications and internal usage for developing the lecture material, video lectures.
2. The institution always procures the high-end performance systems and servers to adhere new dynamics of the market, promoting the faculty and students towards research and development in various fields of technology as and when required.
3. The institution should upgrade to the updated firewall policy & guidelines to control & monitor the network traffic, internet utilization, control over the downloading malware software and control on the content of offensive or in appropriate websites.
4. The organization will consistently offer significance to verifying the system and information and routinely update and renewal of Anti-Virus software.

It may be noted that, all the teaching and non-teaching staff, students, all departments, committees and clubs, authorized visitors or visiting faculty and others who may be granted permission to use the institute's IT infrastructure, must comply with the guidelines. Violations of IT policy laid down by the institute by any stake holder may even result in disciplinary action against the offender by the authorities. If the matter involves illegal action, law enforcement agencies may become involved.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.3.1-Upload-any-additional-information.pdf</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3862	1173

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

**4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus**      **A. 50 Mbps**

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**4.3.4 - Institution has facilities for e-content development:**      **A. All four of the above**  
**Facilities available for e-content development**  
**Media Centre**  
**Audio-Visual Centre**  
**Lecture Capturing System (LCS)**  
**Mixing equipments and software for editing**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/agar-2020-21/criteria-4/">https://sriindu.ac.in/agar-2020-21/criteria-4/</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

**4.4 - Maintenance of Campus Infrastructure**

**4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)**

**128911054**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

The Institution has appointed staff for maintaining facilities such as Buildings, Transport, Electrical, Housekeeping, Garden etc. Regular cleaning of College floors, classrooms, laboratories, equipment, and rest rooms are being done by the housekeeping team under the supervision of a floor in-charge. Stock verification and up-keeping of the equipment in all labs and other facilities is done at the end of every year by Lab In-charge and the report is submitted to the Principal through the concerned department of HOD's for further action.

#### MECHANICAL MAINTENANCE

The standard procedure followed for service and maintenance of equipment/machinery as follows

- If the equipment/machinery is to be serviced during the warranty period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in-house or in the supplier premises based on the nature of defect.
- After warranty period if the equipment/machinery demands service, the technical staff attached to the respective laboratories service the equipment/machinery to the extent possible.
- If not, identify the persons outside the organization who repair the equipment, if necessary contact the supplier of the equipment.
- If no items are required to purchase for repairing the equipment, the equipment is repaired immediately.
- If items are required then send a proposal to the purchase in-charge through proper channel (concerned HOD).
- After the items are purchased the equipment will be repaired by the person.
- The remuneration bill (cost of Maintenance) will be sent to the accounts department through proper channel.

Maintenance of power house:

Department of electrical engineering deals with power supply and maintenance. Following SOP is followed for uninterrupted power supply in college premises.

- Checking diesel in storage tank daily and Replenishing stock of diesel.
- Checking distilled water level in radiator daily, and if any shortage is found, it is refilled.
- Checking lubricant oil and specific gravity of distilled water of batteries daily.
- Cleaning the Radiator fan belt, generators daily.
- Maintaining load balance in three phases of generators, painting plinths and machines for every one year.
- Registering the number of working hours of each generator.
- Checking earth resistance and watering the earth pits weekly.

Laboratory maintenance:

Regular Upkeep and maintenance of equipment as well as repair of equipment is important for proper functioning of any engineering laboratory. As soon as the complaint is received with details, (including Guarantee Period etc.) following procedure is followed.

If the equipment/machinery is to be serviced during the warrantee period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in- house or in the supplier premises based on the nature of defect. After warrantee period if the equipment/machinery demands service, the technical staff attached to the respective laboratories service the equipment/machinery to the extent possible. If repair cannot be done by technicians of institution, then it is repaired by the persons outside the organization. If no items are required to purchase for repairing the equipment, the equipment is repaired immediately. If items are required then a proposal is sent to the purchase incharge through proper channel (concerned HOD). After the items are purchased the equipment will be repaired by the respective person. The remuneration bill (cost of Maintenance) will be sent to the accounts department through proper channel.

Civil Maintenance

Maintenance of civil works is needed for getting uninterrupted services which facilitate smooth and efficient functioning of the institution. The maintenance of civil works include

- Maintaining cleanliness and sanitation in the campus.

- Repair of frequently damaging components like window glasses, plumbing components, sanitary ware, floor tiles, doors, classrooms, benches, boards, furniture, faculty rooms etc
- Internal roads maintenance.
- Water supply and over head/underground water tank maintenance.

Course of action:

- A request comprising the problem, through HOD and the Principal, has to be received.
- As per the stock availability the problem is attended and resolved
- If any material is required to purchase, to get the approval from the principal for purchase of the same.
- If the cost of the requirement exceeds Rs.10,000/-, approval must be obtained from the management.
- If the work involves more financial support, quotations are invited from the vendors.
- Preparation of the comparative statement and placing purchase order.
- On receiving material, resolving the problem.

CENTRAL LIBRARY

PROCUREMENT AND STOCKING OF BOOKS:

- The order list shall be prepared on the basis of suggestions of the faculty
- The list shall be forwarded to the principal for approval who makes any necessary changes, approves it and forwards the same to Library for procurement.
- The books are received by librarian from the supplier. An inspection activity will be carried out by librarian to check quantity, Title, Author, etc, as per the invoice.
- The books received by the librarian are entered in the Accession Register (AR).
- After the completion of Accession, due date slip, numbering shall be pasted on internal Title Page of the Book.
- One copy of each title is kept in REFERENCE SECTION duly stamped as REFERENCE copy.

Repairs and maintenance of Computer / Network (LAN) / Projector / UPS / WiFi:

- Service / repair request is placed through SICET Campus

Academic Management System, Software developed in house.

- The request will be processed by Incharge.
- Appropriate personnel will be allotted to take up the service / repair work by the Incharge.
- Service request status can be checked through the same system.

#### Sports:

- The sports committee conducts timely meetings for the purpose of discussing about budget proposal, conduct of Inter collegiate tournaments for each academic year. The order is placed with prior approval of the purchase committee.
- The sports related materials are issued to the students by maintaining an issue/return register which reflects the utility and demand of the items along with the students interests. Subsequently it facilitates the proposals to be made for the next academic years. Students who are selected for the college teams of various events are provided with uniform to participate in the same. Equipment related to various physical activities and sports are updated on a regular basis. The up keeping of the sports items in an efficient way is done through regular monitoring using required work force. This includes all the sports facilities like Gym, Cricket ground, Tennis, Volleyball, Basketball courts etc.,

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.4.2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.4.2-Upload-any-additional-information.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

2275

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

120

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

A. All of the above

File Description	Documents
Link to Institutional website	<a href="https://sriindu.ac.in/">https://sriindu.ac.in/</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

2856



File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefited by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 5.2 - Student Progression

### 5.2.1 - Number of outgoing students who got placement during the year

843

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

122

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

163

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 5.3 - Student Participation and Activities

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

19

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

SICET has a student council formed with academically strong students as its body. It operates with a sense of responsibility in dealing with the student concerned activities. The Institute also encourages participation of student representatives in various decisions making, academic and administrative committees, this enable them in

acquiring better academic environment. Student opinions and suggestions are considered to take measures in view of students' perception. Institute puts efforts for the all-round development of a student. They take part in various professional society chapters like IETE, ISTE, CSI, IAENG, SMAI, SAE, IE & ACM. Also student members are involved in several Institute and Department level committees with active participation. They are explained below.

**Internal Quality Assurance Cell (IQAC):** Student representatives are nominated for this cell, who participates in the decisions regarding the quality initiatives of the institute. (Web site)

**Women's Grievance Committee:** The girl students are part of the committee to address issues on women welfare.

**Student Grievance Committee:** The quality and hygiene of the canteen is monitored by student representatives along with the other nominated faculty members. They visit frequently and collect feedback from peers and also continuously monitor the quality and quantity of the food served.

**National Innovation and Startup Policy (NISP):** It consists of faculty Coordinators, students and other external stake holders for formulating and implementing the strategic B-plan and innovations. Based on the minutes of the NISP meeting, action is initiated to improve the overall skill development of the students and faculty to meet the needs of industry.

**S-Hub:** To provides an opportunity to participate in new role. This club provides a valuable experience and cultivates leadership qualities. To identify the innovators/inventors. To promote the students skills to the level of industry requirement. To create the opportunity for startups and to motivate the students to become an entrepreneur. To prepare the students for industry readiness.

**MOOCs Committee:**

1. Conduct department wise MOOCs Awareness Programme for better utilization of the online courses.

2. Monitor and maintain the department wise Staff and Students statistics of Enrollments and Course Completions from SWAYAM -NPTEL and other MOOC Courses.

3. To review the Enrollments and Course Completion department wise

4. To encourage and support to the all the students for MOOC-I and MOOC-II and also Credit Transfer.

5.To formulate action plan for the increments of MOOCs enrollments and course completions

Cultural Committee:Students clubs like Literary club, Music club, Creative arts club, Dramatics club, Photography & short film shooting club and Classical dance club are involved in this committee.

Institution's Innovation Council: It consists of Principal, HODs, faculty members, students and other external stake holders for cultivating design thinking, innovation, start up, IPR, entrepreneurship and research & developmental activities. Based on the minutes of the IIC quarterly meeting, action is initiated to improve the overall skill development of the students and faculty to meet the needs of industry.

Class Committee (CC):It consists of HOD, faculty handling the particular section and student representatives in each class. They discuss the conduct of class work, delivery of lecture and overall discipline. Based on the minutes of the CC meeting, action is initiated to improve the academic performance of the class.

NSSis also encouraged in the institute enabling the student to participate in service activities like organizing blood donation, rural health & sanitation and environmental awareness camps in the neighboring areas as a social responsibility.

In addition to the above, the students are involved in organizing Technical fest, Cultural fest and National Level Sports fest. Student members of all professional societies and student clubs actively take part in hosting their respective events.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/5.3.2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/5.3.2-Upload-any-additional-information.pdf</a>

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

11

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

## 5.4 - Alumni Engagement

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

The Institute has a registered Alumni Association for building strong bond between alumni and present students. The alumni give support to the students through interaction, financial funding, guidance and placement. The Alumni Association of the Institute is called as SICET ALUMNI ASSOCIATION i.e. Sri Indu College of Engineering & Technology Alumni Association. This was registered under the Telangana Societies Registration Act., 2001 with Society No. 1212 of 2021. The office headquarters of SICET ALUMNI ASSOCIATION is in the premises of Sri Indu College of Engineering & Technology, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist - 501 510, Telangana, India. The mission of the Alumni Association is to foster a mutually beneficial relationship between the Institute and its alumni. Alumni meet is arranged on third Saturday of December of every year.

Objectives of the Alumni association:

- To encourage and promote close relations between the Institution and its alumni and among the alumni themselves.
- To promote and encourage friendly relations between all members of the alumni body, an interest in the affairs and well-being of the Institution.
- To provide and disseminate information regarding their Alma Matter, its graduates, Faculties and students, to the alumni.
- To initiate and develop programs for the benefit of the alumni.
- To assist and supporting the efforts of the Institution in obtaining funds for development.
- To serve as a forum through which alumni may support and advance the pursuit of academic excellence at the Institution.
- To guide and assist alumni who have recently completed their

courses to obtain employment and engage in productive pursuits useful to society.

- To organize and co-ordinate reunion activities of the Alumni and let the Alumni acknowledge their gratitude to their Alma Matter.
- To collect, publish and distribute such information as may be useful to the alumni and their Alma Matter.

#### Activities and Contributions:

- Alumni have donated funds to assist the Poor & Merit students of the Institution.
- Alumni are included as members in the Board of studies of all departments. They are invited for meetings at the college and they interact with their teachers and express their suggestions on curriculum revision.
- Few Alumni gave Guest lecturers to the existing students on some contemporary technological developments and career guiding focuses.

Alumni meets are arranged in December 2019, 2020 and 2021.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/5.4.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/5.4.1-Upload-any-additional-information.pdf</a>

#### 5.4.2 - Alumni's financial contribution during the year D. 2 Lakhs - 5 Lakhs

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

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

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

About NEW LOYOLA Model Educational Society(NLMES)

The NEW LOYOLA Model Educational Society(NLMES) had taken its birth with the social objective of providing educational opportunities to the rural youth who had been migrating to the towns in pursuit of education. The concept gained momentum and NEW LOYOLA Model Educational Society(NLMES) was established and Registered on 23rd August, 1979 under Societies Act XXI of 1860 with the following objectives, incorporated in the memorandum of articles.

1. To establish, aid and maintain educational, cultural and other institutions to impart education, at all stages, for promotion of literature, arts and science and all other subjects for the diffusion of useful knowledge in Andhra Pradesh.
2. To raise necessary funds to maintain educational institutions under its management and administer them.
3. To grant aid to deserving students for promotion of studies.
4. To arrange 'extension lectures' in one or more branches of knowledge.
5. To print and publish journals or magazines with articles contributing to the growth of knowledge, human understanding and culture.
6. To do all such other things as may be conducive to the development or incidental to attain the above objects.

The strength of the Society is that it is not a religious or charitable or social or a family trust. No individual had a controlling interest and the society did not bequeath large endowments that confer managing right or controlling interest on any group or individual. It is purely an educational society to which numerous people, organizations and individuals have donated, only to contribute to the cause of education than for a personal gain or aggrandizement.

The enthusiasm, spirit of service and the pursuit of objectives have been sustained for the last forty years by a succession of members. Power struggles to get hold of the society, crises of management, interference in the administration and dominance of individuals in the society's affairs were totally absent in its history. General Body Meetings, Most of the Executive Members are unanimously elected. Everyone had the same mission, promoting education, not himself.

Quality of instruction through student-centered teaching, updating the teacher-capability and qualifications, exploiting the student talent, developing personality and citizenship in students are the guiding principles in running the institutions. Seminars, Workshops for teachers/students are regularly held to diffuse knowledge beyond

the curriculum.

Financial assistance to the poor and needy students was liberally provided through scholarship endowments.

The educational scenario of the nation has been subjected to swift changes. It may not be an exaggeration to state that every passing day heralds a development, if not an upheaval. In every society, there have been attempts to organize the body of existing knowledge, to perceive the natural and also scientific phenomena not merely with awe and reverence but with inductive and deductive logic, reasoning and experimentation so as to understand various occurrences in an enlightened manner. It is to be noted that technological advancement has always been innovative and explorative. Some men of such mettle who have assimilated the essence of educational philosophy established an educational empire

Sri Indu College of Engineering and Technology is sponsored by the New Loyola Model Education Society, Vanasthalipuram was established in the year 2001. The Society proudly announces that it has firm standing in the field of education for the past 41 Years. The College is located in a serene atmosphere abutting the Hyderabad Nagarjunasagar road, facing main road just 15 Kms from L.B. Nagar. There is a bus facility for every 5 minutes besides college buses.

New Loyola Model Education Society has established many institutions right from KG to PG in the areas of Engineering and non Engineering under the chairmanship of Sri R.Venkat Rao. The College has commitment to impart Quality Education in the field of Engineering. The College offers B.Tech, M.Tech., MBA & MCA courses.

Our Vision is to evolve into a center of excellence in Science and Technology through creative and innovative practices in teaching & learning, towards promotion of academic achievement & research excellence to produce globally accepted, competitive and world class professionals who are psychologically strong and emotionally balanced imbued with social consciousness and ethical values.

New Loyola Model Education Society had been formed in 1979 with a Vision for future to set up and promote such educational Institutions of excellence that would reorient general, technical and professional education with a holistic approach. Assimilating the advances made in various areas of activity and considering the educational needs of the region, many institutions dealing with various academic disciplines have been started.



Expert opinions say that "it is like a modern day Engineering and Technology Gurukul marching towards Global Technology."

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/management/">https://sriindu.ac.in/management/</a>

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

The institute practice decentralization and participative management.

1. Innovative Practices adopted for more number of placements with better packages in addition to existing mechanism. Various innovative activities are taken up for improving number of placements with high packages in the academic year 2020-21:

- Advanced learner groups: With an aim of inculcating advanced coding, high in communication, improved analytical habits among top students, advanced learner groups are introduced and continuously given the challenges in all aspects of skills required to get into higher-end and blue-chip IT jobs.
- Competitive Coding Labs: Competitive Coding Labs have been introduced in the institute for developing compete skills in students, that helped the students to improvise problem solving skills, getting expertise in programming languages and as well expanding creativity in coding abilities.
- Students were motivated towards design thinking, innovative practices, prototyping of a model through workshops, seminars and guest lectures etc. The Innovation and Incubation Cell (IIC) introduced Innovation day on 15th October 2019 to display the student's innovative ideas in memory of Dr A.P.J Abdul Kalam. The innovative models developed and exhibited at various platforms helped the students in getting good placement.
- The faculty member from each department started assisting training and placement officer through identifying the core industries for the respective departments and succeeded in getting new core companies to the campus for placement drive.

2. COVID-19 Counter Initiatives Safety Security along with excellence in academics and RD became the top priority during the

outbreak of COVID 19.

A team was constituted under the supervision of HoD, ECE Department to find the best solutions for completing the pending syllabus in the even semester of the academic year 2020-21 and conduction of internal examinations through online mode using MOODLE to handle the pandemic situation.

- The principal constituted a committee to look after the sanitization and covid-19 preventive actions in the campus effectively under the supervision of the administrative officer.
- The principal constituted a team under the supervision of HoD, ECE department to provide free access to COURSERA MOOCs platform for students and faculty to upgrade their skills during lockdown period succeeded in getting fruitful results.
- Explored on innovative online resources for teaching and learning.
- Facilitated Network, Wi-Fi, Connectivity with adequate Bandwidth to continue academic activities such as online teaching learning, Assessment and Evaluation with Online proctored examination for mid examinations, project reviews and virtual laboratories for Lab based Courses using Googlemeet, Zoom app, WebEx.
- Sanitization of physical infrastructure, classrooms, corridors, washrooms, office areas, distribution of masks, maintenance of hygiene.
- Capacity Building of student and Teachers with Online Education Resources such as coursera, webinars from professors of reputed Institutions
- Robust Mentor Mentee System for Student counseling on Internships and placement activities, Parents Interaction Forum
- Health Safety COVID specific advisories, posters, sign age and instructions are displayed at important places in the campus to bring out awareness and reinforce responsible behavior
- Screening and social distance protocol w.r.t temperature reading and sanitization is followed.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/r-d-cell/">https://sriindu.ac.in/r-d-cell/</a>

## 6.2 - Strategy Development and Deployment

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

### STRATEGIC DEVELOPMENT PROCESS

INSTITUTION VISION To be a premier Institution in Engineering & Technology and Management with competency, values and social consciousness.

INSTITUTION MISSION IM1 Provide high quality academic programs, training activities and research facilities. IM2 Promote Continuous Industry-Institute interaction for employability, Entrepreneurship, leadership and research aptitude among stakeholders. IM3 Contribute to the economical and technological development of the region, state and nation.

### STRENGTH

S1 College is rated among top 4 colleges in the region

S2 Good Infrastructure

S3 Well Experienced Faculty

S4 The college has signed MoU with University of Bridgeport, USA for higher studies

S5 Good placement as priority action

S6 Pollution free learning environment - modern day Engineering and Technology GURUKUL

S7 Student discipline is good

S8 Supportive & Cooperative management

S9 Adequately equipped Laboratories - as per current syllabus

S10 NBA Accreditation for three programmes. For other UG and PG programmes application submission is in progress

S11 College has Jawahar Knowledge Centre\*(JKC) - Institute of Electronic Governance(IEG) which helps in placement

S12 Management is financially strong

S13 Good transport facility provided by the college and Govt. as it is located on national highway.

S14 Well-equipped Library

S15 Co-Curricular Activities (Cultural fests and Technical fests) are organized. Participated by students from all over the country

S16 Employee incentives and salaries are given on time

S17 The college has a regular practice of appointing a faculty member as a Mentor for every Class

S18 Multi-Disciplinary Activities are taken up successfully as many Colleges are under one management

S19 Positive Environment & Freedom for Innovation

S20 Eminent Guest speakers from academia, Industry and Service sector are invited for interaction and exposure to best practices for the students and faculty

S21 Healthy Competition among different departments

S22 Good Result in the University. College continuously produces rank holders and high percentage graduates

S23 Consistently good performance in competitive examinations

S24 Good Understanding & Coordination among management/Staff & Faculty

S25 College has reward system for high performing students.

S26 System of faculty appraisal by students exists

S27 Close monitoring of student performance and system of communicating regularly with parents

**WEAKNESS:**

W1 Additional number of faculty with Ph.D. for research & consultancy not available

W2 Inadequate Faculty Development Programmes (FDPs) including Pedagogical training

W3 R&D and innovation culture is weak

W4 Use of modern Teaching Aids and learning resources are inadequate

W5 Internet facility in the campus needs expansion

W6 Less number of publications by faculty

W7 Needs enough attention to weak students

W8 Insignificant IRG generation and utilization

W9 Emerging areas should be included in the syllabus

W10 Labs should be augmented with latest equipment

W11 Industry Institute interaction needs to be concentrated

W12 No of user licenses for software popularly used is insufficient

W13 Training of students in soft skills inadequate

W14 Lack of employment oriented learning resources and simulation/design software (CAEs)

W15 Institutional automation needs to be introduced

W16 Support staff and technical non-teaching staff needs training

W17 Less entrepreneurship related activities

**OPPORTUNITIES**

O1 Tie up with foreign Universities will enhance the image of the College

02 Additional Courses in PG, PhD and Medical could be started as per state industrial policy

03 Being close to industries in Hyderabad, projects should be obtained

04 Skilled based programmes for community should be offered

05 Encash TEQIP III participation opportunity.

06 Use industry for offering tailor made continuing education programmes

07 Obtain sponsored research and consultancy from industry and generate revenue

08 Training hub for industries (CEP)

#### CHALLENGES

C1 Mushrooming growth of engineering colleges in the city will increase competition in attracting good faculty and students.

C2 Foreign universities intrusion in the technical education sector

C3 Lack of continuous electricity supply

C4 Non availability of highly qualified faculty

C5 Economic recession

C6 Infrastructure development - creation of toll bridge might affect student admission

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in">https://sriindu.ac.in</a>
Upload any additional information	<a href="#">View File</a>

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

### Roles and Responsibilities of Principal:

- To promote the comprehensive development of the institution as the Head of the Institution.
- To recruit the Teaching and Non-teaching staff based on the requirements of the departments. 3. To review salary fixation norms as and when required; keeping in mind, the practices in the colleges around.
- To fix salaries, increments, etc., to Teaching and Non-Teaching staff.
- To depute teaching and technical staff for refresher courses, higher studies and arranging for suitable training in the campus.
- To conduct HOD's meeting at regular intervals to know the state of affairs - both academic and non-academic.
- To Plan for campus placements through training and placement officer.
- To review results
- To instruct the Hostel Authorities about the rules to be followed while permitting the students to go outside, including their native places.
- To take enough precautions so that, the teaching staff cannot leave the services in the middle of the semester/year.
- To go round the class rooms to ensure that the class work is being conducted effectively.
- To go through the letters found, if any in the suggestion box and act on them, if required.
- To conduct Governing Body and Academic Council Meetings.
- To get the annual budget sanctioned for conducting various events in the campus, keeping in mind the number of events desirable per year as per NBA/NAAC guidelines.
- To decide the requirements of furniture, lab equipment, staff, additional space, etc., and enlightening the management about the requirement and getting the budget sanctioned.
- To conduct Fresher's day, College day, Republic day, Independence Day and other functions.
- To get the budget sanctioned for books and journals.
- Attesting the academic registers and dairies maintained by teaching staff.
- To instruct the teaching staff through a schedule to conduct annual stock verification of lab equipment's.
- To monitor the activities of the examination section (JNTU as well as Autonomous)
- To promote the brand building of the Institution by adopting new technologies.

- To promote the comprehensive development of the institution as the Head of the Institution.
- To recruit the Teaching and Non-teaching staff based on the requirements of the departments. 3. To review salary fixation norms as and when required; keeping in mind, the practices in the colleges around.
- To fix salaries, increments, etc., to Teaching and Non-Teaching staff.
- To depute teaching and technical staff for refresher courses, higher studies and arranging for suitable training in the campus.
- To conduct HOD's meeting at regular intervals to know the state of affairs - both academic and non-academic.
- To Plan for campus placements through training and placement officer.
- To review results
- To instruct the Hostel Authorities about the rules to be followed while permitting the students to go outside, including their native places.
- To take enough precautions so that, the teaching staff cannot leave the services in the middle of the semester/year.
- To go round the class rooms to ensure that the class work is being conducted effectively.
- To go through the letters found, if any in the suggestion box and act on them, if required.
- To conduct Governing Body and Academic Council Meetings.
- To get the annual budget sanctioned for conducting various events in the campus, keeping in mind the number of events desirable per year as per NBA/NAAC guidelines.
- To decide the requirements of furniture, lab equipment, staff, additional space, etc., and enlightening the management about the requirement and getting the budget sanctioned.
- To conduct Fresher's day, College day, Republic day, Independence Day and other functions.
- To get the budget sanctioned for books and journals.
- Attesting the academic registers and dairies maintained by teaching staff.
- To instruct the teaching staff through a schedule to conduct annual stock verification of lab equipment's.
- To monitor the activities of the examination section (JNTU as well as Autonomous)
- To promote the brand building of the Institution by adopting new technologies.

**Objective:** To ensure mutual respect and freedom for everyone and be role models to student community.



REPORTING FOR DUTIES ON TIME 1. College working hours are, normally from 9.30 a.m. to 4 p.m. However, those who have academic, administrative, examination or any other such work shall follow the 9 a.m to 5.15 p.m or 10 a.m to 6.15 p.m timing or any other timing as directed by HOD/Principal/Chairman /Administrator. 2. A six day working schedule from Monday to Saturday is followed except second and fourth Saturdays. Classes are scheduled from 9.30 am to 4.10 p.m. 3. All members of the staff shall be at their workplace (offices, classrooms, Labs, staff room etc.) at least 5 minutes before their reporting time. 4. Anyone coming late / leaving early for more than 60 minutes on 2 occasions in a month may be allowed by Hod/Principal/Chairman /Administrator. 5. Anyone needing to go out of the College premises during working hours (except lunch break) shall seek necessary permission from HOD/Principal/Chairman /Administrator and register his/her absence (i.e. OUT and IN timing Register kept at gate). 6. Staff members shall compulsorily wear College ID while in the College premises. 7. Staff members shall submit their investment details to the Account Section before 7th January each year in the prescribed form to enable them to deduct the tax at source, failing which Income Tax shall be deducted as per rules. 8. Faculty shall ensure that discipline is maintained in the classroom, labs and college premises. In case of serious matters of indiscipline, the same shall be reported to the HOD/ Principal on standard Discipline Report 9. Staff members shall not use mobile phones during their instructional hours. However, they may use them in their cabins/rooms. 10. All members of staff are expected to present themselves in decent attire. Clothes like sleeveless tops, T-shirts etc. are not permitted. Earrings, pony tails/long hair, bangles etc. are not permitted for gents. 11. Faculty and staff shall communicate to each other and with students only in English.. 12. Staff members may arrange meeting of any kind with permission/request to HOD/Principal/Management only.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://sriindu.ac.in/aqar-2020-21/criteria-6/#">https://sriindu.ac.in/aqar-2020-21/criteria-6/#</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/aqar-2020-21/criteria-6/">https://sriindu.ac.in/aqar-2020-21/criteria-6/</a>

### 6.2.3 - Implementation of e-governance in

A. All of the above

**areas of operation: Administration Finance  
and Accounts Student Admission and Support  
Examination**

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

#### Welfare schemes for TEACHING

- Maternity leaves/Medical Leaves as per the norms.
- Paid leave for curriculum course work who are perusing Ph.D.
- TA and DA provisions for faculty development programs.
- EPF and Group Insurance are provided.
- Fee concession for Faculty children.
- Two Bank ATMs (Andhra Bank, HDFC) are provided in the Campus

#### Welfare schemes for NON-TEACHING

- EPF and Group Insurance are provided.
- Fee concession for Non - Teaching children.
- Two Bank ATMs (Andhra Bank, HDFC) are provided in the Campus
- Subsidized Transportation

#### Welfare schemes for Students

- Management Scholarships.
- Gold Medals to Academic Toppers
- Incentives for Paper Publications/Presentations
- Financial support for attending external events

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/6.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/6.3.1-Upload-any-additional-information.pdf</a>

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

114

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

78

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

3774

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

INTERNAL AUDIT CONSOLIDATED REPORT

To

The Finance Committee

SICET,

SHERGUDA, IBP - 501510

INTERNALAUDITREPORT

Period covered for Audit from 01-10-2020 to 31-03-2021

\*\*\*\*

Internal Audit was planned and performed to obtain responsible assurance whether accounting process system, its processes and controls operate efficiently and effectively and to see that the information is free from material, misstatements. Internal Audit was carried to assure.

- To verify correctness of accounting procedures and its reporting
- To verify compliance of the policies of institution and its controls implemented
- To verify the compliance with various statutory provisions applicable

Audit has covered verification of system of accounting of those expenses and incomes and others mentioned above and to express opinion on weakness in internal control, risk management and governance high lighting any exceptions and cases of non-compliance and suggest or recommend improvements in the design and operations of control based on internal audit. The following observations have been made during the course of audit.

- Verified the receipts and payments vouchers and bills during the audit period
- Internal control with regards to system access is followed as per the policy and appears satisfactory
- All statutory payments are made well within the due dates and as per the prescribed norms
- Verified the cash balances with the Cash Book and found correct
- Bank Reconciliations are done and matched with the Books of Accounts

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/igac/">https://sriindu.ac.in/igac/</a>

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

1800000

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous)

- Finance has never been a constraint neither in the past nor in the present.

- No developmental activity in the campus has ever been delayed for want of funds.
- The NEW LOYOLA MODEL Educational Society has been extending all the necessary financial support to the institution since its inception.
- Present financial position enables us to take up any developmental activity that is required.

The following documents are attached:-

1. Summary of annual utilization statements as per the Audited Financial Statements
2. Audited Financial Statements
3. Government G.O. for collection of Tuition Fee

Summary of annual utilization statements as per the Audited Financial Statements for AY 2020-21

2020-21

EXPENDITURE

Expenditure on Salaries

224284950

Expenditure on Academic Facilities

38790051

Expenditure on Physical Facilities

90121003

Total Recurring Expenditure(including salaries)

353196004

Expenditure on additions to Fixed Assets (Infrastructure)

24896300

Grand Total:

378092304

INCOME:

Tuition Fee

340755808

All other income

39172490

Total

379928298

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/audit-reports/">https://sriindu.ac.in/audit-reports/</a>

## 6.5 - Internal Quality Assurance System

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

The IQAC Committee includes all stakeholders of the Institute, i.e. students, alumni, all Department and Section Heads also including the Library, Sports, Students Hostel, Examination & Evaluation, co-curricular and extra-curricular activities, members of the

Management and Administration, and members of local community and industry experts.

## Objectives

The Primary aim of IQAC is

- To develop a system for conscious, consistent, and catalytic action to improve the academic and administrative performance of the institution.
- To create a good quality culture
- To channelize the efforts and measures of the institution towards academic excellence.

## Strategies

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.
- Optimization and integration of modern methods of teaching and learning.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.
- The relevance and quality of academic and research programmes.
- The credibility of evaluation procedures.

## Functions

Some of the functions expected of the IQAC are

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution.
- Organization of workshops, seminars on quality-related themes and promotion of quality circles.
- Development of Quality Culture in the institution.
- Dissemination of information on the various quality parameters of higher education.
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes.
- Acting as a nodal agency of the institution for quality-related activities.
- Preparation of the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters.

## Benefits



**IQAC will facilitate / contribute**

- Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement.
- Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices.
- To provide a sound basis for decision making to improve institutional functioning
- Act as a dynamic system for quality changes in HEIs
- To improve internal communication.

**Outcomes of IQAC Activities**

- To improve internal communication.
- Accreditation - NAAC, NBA
- National Ranking - NIRF
- International Ranking
- AICTE Approval for professional courses
- UGC Graded autonomy
- Media Rankings
- MHRD All India Survey for Higher Education
- Swachh Bharat Summer Internship Program
- Swachhta Ranking
- Feedback from stakeholders
- Curriculum for Applied Learning
- Promoting Technology Enhanced Learning - MOOC

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/iqac/">https://sriindu.ac.in/iqac/</a>

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

**PLACEMENT-CELL****Campus Placement Oriented Institution****Striving for 100% Placements**

This is the leading motto of the Training and Placement Facility of SICET. Equipped with trained and expert personnel the facility started functioning in the academic year 2001. The trainers have

more than a decade of experience in understanding the training requirements of undergraduate students and designing program to help students attain career success. Started in response to an emergent need the T&P Facility aims to bridge the gap between the requirements of the corporate houses and the skill sets that the students acquire during college.

The team of Placements cell headed by Mr. R. Venkateswar strives hard and has a decade of extensive experience in placements at different MNC's.

EDC/ IEDC

Vision

To produce successful entrepreneurs imbued with leadership qualities using innovative and ethical business practices to make global impact.

Mission

To create and promote entrepreneurial culture among students by identifying, training and motivating students to become entrepreneurs.

Objectives

- To Organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes
- To encourage better linkages between the Institution, Industries and R&D institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including NGOs and other Voluntary Organizations.
- To catalyze and promote development of S&T based Enterprises and promote employment opportunities.
- To create awareness on entrepreneurship among the students.
- To inculcate entrepreneurial spirit and culture among the Science and Engineering graduates and post graduates.
- To conduct programs in Entrepreneurship enabling skills.
- To conduct skill industrial development training programs with updated technologies.
- To provide need-based consultancy services to industries.
- To act as an institutional mechanism for providing various services including information to budding student entrepreneurs.

- To create Entrepreneurial culture in the Parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmes related to women and weaker sections of the society.
- To create greater number of sustainable start-up business with potential for further growth.
- To guide and assist students on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies.

### Functions

- To organize Entrepreneurship Awareness activities, Entrepreneurship Development Programmes and Faculty Development Programmes in the region for the benefit of S&T persons.

To develop and introduce curriculum on Entrepreneurship Development at various levels including degree/diploma courses of the parent institution and other institutes in the region.

- To conduct research work and survey for identifying entrepreneurial opportunities.
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies
- To arrange visits to industries for prospective entrepreneurs
- To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects.
- To act as a Regional Information Centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant databases.
- To provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for Entrepreneurs besides expertise in Intellectual Property rights, Patents search, etc.
- To render advice to sick enterprises and assist the entrepreneurs in rehabilitating them.
- To conduct skill development training programmes leading to self-employments and start-up.

### Strategies

**Long Term Goals**

- Creating Students hub for establishing technology park
- Motivate students to develop their own start-ups
- Develop business incubators
- Create corpus fund to seed ventures

**Short Term Goals**

- To provide a platform for interaction with entrepreneurs
- Collaborating with T-Hub & J-Hub
- Impart entrepreneurial education/skills amongst students through various trainings and exercise
- Arrange vibrant interaction with organizations promoting the cause of entrepreneurship.

link for additional information:<https://sriindu.ac.in/edc-iedc/>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/training-placement-cell">https://sriindu.ac.in/training-placement-cell</a>

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

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

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://sriindu.ac.in/mandatory-disclosure/">https://sriindu.ac.in/mandatory-disclosure/</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

**Awareness Programs A.Y 2020 - 2021**

SNO

List of Programs

1

Awareness Programme on "Elimination of Violence against women"

2

Awareness Programme on " Gender issues in an ageing society"

3

Awareness Programme on "Cervical Cancer"

4

Student Presentations Programme on Gender equality

#### 1. AWARENESS PROGRAMME ON "ELIMINATION OF VIOLENCE AGAINST WOMEN"

Intension of this program conducting by English , H& S dept , SICET is to create Awareness in students for ELIMINATION OF VIOLENCE AGAINST WOMEN IN THE SOCIETY

The United Nations defines violence against women as "any act of gender-based violence that results in, or is likely to result in, physical, sexual, or mental harm or suffering to women, including threats of such acts, coercion or arbitrary deprivation of liberty, whether occurring in public or in private life."

Intimate partner violence refers to behaviour by an intimate partner or ex-partner that causes physical, sexual or psychological harm, including physical aggression, sexual coercion, psychological abuse and controlling behaviours.

Sexual violence is "any sexual act, attempt to obtain a sexual act, or other act directed against a person's sexuality using coercion, by any person regardless of their relationship to the victim, in any setting. It includes rape, defined as the physically forced or otherwise coerced penetration of the vulva or anus with a penis, other body part or object, attempted rape, unwanted sexual touching and other non-contact forms".

Conducted program which is attended by 100 students with chief guest and Principal, HOD's of various departments became success and gave lot of awareness to students. chief guest and others dignities addressed students. Students also participated very actively and presented some posters and ppts

## 2. AWARENESS PROGRAMME ON " GENDER ISSUES IN AN AGEING SOCIETY"

Intension of this program conducting by English , H& S dept , SICET is to create Awareness in students for " GENDER ISSUES IN AN AGEING SOCIETY"

Many aspects of our ageing society are deeply gendered. The number of older women is substantially larger than the number of older men. Women are also more likely than men to live the latter part of their life without a spouse. Relatedly, they are more likely than men to be involved in caring for other ill or disabled older family members. This article examines how the combination of gender differences in life expectancy, marriage, care roles, workforce participation and current policy settings combine to produce gender inequality in old age. It identifies policy measures to redress this imbalance.

Conducted program which is attended by 100 students with chief guest and Principal, HOD's of various departments became success and gave lot of awareness to students. chief guest and others dignities addressed students. Students also participated very actively and

presented some posters and ppts

### 3. AWARENESS PROGRAMME ON "CERVICAL CANCER"

Intension of this program conducting by English, H& S dept, SICET is to create Awareness in students for "CERVICAL CANCER"

A malignant tumour of the cervix, the lowermost part of the uterus. A malignant tumour of the lower-most part of the uterus (womb) that can be prevented by PAP smear screening and a HPV vaccine.

Symptoms include bleeding in between periods and after sexual intercourse. Foul smelling white discharge and low back pain or lower abdominal pain may also occur. In some cases there may be no symptoms. Treatments include surgery, radiation and chemotherapy.

Conducted program which is attended by 100 students with chief guest and Principal, HOD's of various departments became success and gave lot of awareness to students. chief guest and others dignities addressed students. Students also participated very actively and presented some posters and ppts.

### 4. STUDENT PRESENTATIONS PROGRAMME ON GENDER EQUALITY

Intension of this program conducting by English, H& S dept, SICET is to create Awareness in students for "GENDER EQUALITY"

Girls are denied schooling, a childhood, dreams, an identity just because they are girls. Join the generation that is working to make the world equal and violence-free. Become An E-Volunteer. Be A Part of Team Change. Breakthrough.

Conducted program which is attended by 100 students with chief guest and Principal, HOD's of various departments became success and gave lot of awareness to students. 25 students gave their paper presentations on various issues of gender equality.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/6.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/6.3.1-Upload-any-additional-information.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

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

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Sri Indu College of engineering & Technology has designed methods for the management of waste generated in the campus using the basic waste management strategy of Reduce, Reuse and Recycle i.e., Reduce the amount of waste generated, Reuse everything to its maximum after proper segregation and cleaning and keeping things which can be Recycled aside and handed over to appropriate agencies. The waste generated in the campus includes liquid waste and solid waste- both of biodegradable and non-biodegradable nature & chemical waste. No classified hazardous waste is generated in the campus. The environmental policy of the institute is to achieve zero discharge and complete utilization of waste with well-designed strategies to make campus clean, hygienic and healthy.

The waste generated is classified into the following types:

#### 1. Solid waste Management

Solid waste includes both biodegradable and non-biodegradable components. The non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Biodegradable waste includes food waste, vegetable peels, leaves etc.

'Use and throw' items like plastic cups, plates etc. used in the college canteen are replaced by reusable items steel glasses and plates. Glass, paper and metal waste is sold for recyclers.

Food waste and non-biodegradable waste are collected in separate bins. Biodegradable waste is disposed off in four dumping yards specially earmarked for the purpose.

#### 2. Liquid waste Management



Liquid waste that is generated in the institute falls into three following categories.

1. Septic tank effluents from various sanitary blocks, water used for washing and cleaning of utensils etc. from canteen
2. Wastewater from laboratories using chemicals
3. Wastewater from RO plant

As the college is located in rural un-sewered area, waste water generated from the sanitary facilities is disposed off into septic tanks located at different places in the campus and their effluents combined with canteen waste water is used for gardening, watering trees etc. The excess wastewater will be directed into natural drain passing near by the college campus.

Waste water generated from the laboratories is very small in quantity; hence they are handled along with septic sewage.

RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees etc.

The future vision of the college is to establish full-fledged sewage treatment plant for sewage treatment and recycling the same fully within the campus, thus achieving the goal of zero discharge campus.

### 3. E-waste Management

E-waste or electronic waste is created when an electronic product is discarded after the end of its useful life. E-waste mainly includes obsolete electronic devices, such as computer systems, servers, monitors, compact discs (CDs), printers, scanners, copiers, calculators, fax machines, battery cells etc. E-waste is disposed off through vendors.

### 4. Waste recycling system

Recycling is the process of converting waste materials into new materials and objects. The recovery of energy from waste materials is often included in this concept. ... Recycling is a key component of modern waste reduction and is the third component of the "Reduce, Reuse, and Recycle" waste hierarchy.

### 5. Hazardous chemicals and radioactive waste management

According to IAEA, the disposal of radioactive waste is defined as the emplacement of waste in an approved specific facility that is

intended to isolate the waste from human and environment and to prevent or limit a release of potentially harmful substances such that human health and the environment are protected. Radiation Facts. Activities that produce or use radioactive material can generate radioactive waste. Radioactive waste is hazardous because it emits radioactive particles, which if not properly managed can be a risk to human health and the environment

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus** **A. Any 4 or all of the above**

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

**7.1.5.1 - The institutional initiatives for greening the campus are as follows:** **A. Any 4 or All of the above**

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

File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>

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

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

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

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

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

**reading materials, screen reading, etc.**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Sri Indu College of engineering & Technology is always at the forefront of inviting diversity, eradicate stereotypes, enhance self-esteem, encourage students to have a voice and demand educational achievement.

To achieve these objectives, courses like Constitution of India, Essence of Indian Traditional Knowledge, three weeks Orientation Program are incorporated as a small step to imbibe and inculcate these traits among the students.

Teachers deliver lectures with an acceptance and appreciation for different ideas, opinions, and learning styles of the students and make an earnest effort to understand the racial and cultural characteristics of students.

Along with curriculum, additional communication and soft skills classes are conducted to make the students from different backgrounds communicate effectively.

Social Protection cell, Grievance Redressal cell and Lady Advisory Committee aims at social protection, ensuring tolerance and harmony, reducing vulnerability, building human capital, empowering women and girls, cultural, regional inclusion.

Industrial visits expose students to the practical challenges and also make the students from different backgrounds adapt to one another to create a tolerance and harmony in the organization.

During national festivals and other events of the college, eminent

personalities are invited to emphasize the importance of tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities

NSS activities of our institution mitigate the socioeconomic diversities and progress them towards leading to a tolerant and harmonious living.

Cultural committee, through various clubs organizes plays, skits, competitions and invited lectures, educates the students and makes them aware of their social responsibilities and understands the implications of their actions. In cultural programs, traditions of various regions are respected.

Students are involved and encouraged to participate in various co-curricular and extracurricular activities to make them mingle with one another and share their opinions and disagreements in a harmonious manner.

The institute provides poor and merit scholarships as financial support and conducts aptitude and general knowledge classes for the interested students to help them for their competitive exams.

Central Library has a facility to issue books from Book Bank to students belonging to SC/ST communities supplied by the social welfare department for

AICTE sanctioned grant-in-aid of Rs.3, 00,000 /- to Dr. N. SADHA SIVAM, under ISTE-AICTE INDUCTION/REFRESHER PROGRAMME for faculty to strengthen the Teaching Learning Process in the emerging areas on MACHINE LEARNING & IOT applications.

Modernization and Removal of Obsolesces (MODROB) sanctioned Rs 14,00,000/- for Cloud Computing and BIG Data Research LAB for initiating Research and developmental skills of Faculties and Students to strengthen their Technological Fitness in lines with the Industrial Scope.

AICTE sanctioned and released an amount of Rs.1, 00,000/- for the year 2020-2021 to Dr.N.C. Sendhil Kumar and E.Parusharamu under SPICES - scheme for promoting interest, creativity and Ethics among students regarding club developmental activities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

India is a vast country with many languages, subcultures, religions and ethnic diversities governed and guided by the Constitution irrespective of caste, religion, race sex.

Sri Indu College of engineering & Technology sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties and responsibilities of citizens which enables them to conduct as a responsible citizen.

The vision of the institute is "To evolve into a center of excellence in Science and Technology through creative and innovative practices in teaching & learning, towards promotion of academic achievement & research excellence to produce globally accepted, competitive and world class professionals who are psychologically strong and emotionally balanced imbued with social consciousness and ethical values."

The institute hoists the flag during national festivals and invites eminent persons to inspire students and staff by informing the qualities of freedom fighters and to emphasize the duties and responsibilities of citizens.

The students are inspired by conducting various programs on culture, traditions, values, duties, responsibilities and competitions are conducted among students for various activities.

The personality development of the citizen in the aspects intellectual, mental, physical and spiritual is a rich heritage of our composite culture and is a panacea for all social ills. As an initiative of this, the institute conducts yoga, dance and music classes.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and every one should obey the conduct rules.

The college curriculum is framed with mandatory courses like Professional ethics and human values, Constitution of India, Essence of Indian Traditional Knowledge, three weeks Orientation Program as a small step to inculcate constitutional obligations among the students.

Guest lectures are arranged by eminent personalities to deliver lectures on ethics, values, duties and responsibilities and on saving environment.

The institute organized awareness program on "Traffic rules and regulations" by Pioneer Automobiles and traffic DSP is invited to give guidelines to students on road safety and to emphasize their responsibility of following rules.

Ethical Values, rights, duties and responsibilities of citizens are some of the topics that are enlisted in Elocution, Debates or in Communication lab activities.

NSS activities of our institution has the affinity for Philanthropic initiatives which include donation of time or resources to government, charities and organizations at local, national levels to help victims during natural disasters.

The institute conducted awareness programs and rallies on ban on plastics, cleanliness, Swachh Bharat etc. involving students.

On Orientation day and fresher's day, reputed persons from police department and Eminent Speakers from various fields are invited to speak about the duties and responsibilities of citizens and consequences of ragging.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

**A. All of the above**

**organizes professional ethics programmes for students, teachers, administrators and other staff Annual awareness programmes on the Code of Conduct are organized**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The institute aims to inculcate values and nationalism in the students by celebrating the national festivals and birth anniversaries of great Indian personalities in the college campus every year. The celebrations include flag-hoisting, Project Exhibitions, Poster Presentations, Walks, Essay Writing, and Elocution. Eminent personalities are invited to motivate staff and students by their inspirational speeches on those days.

List of programmes

S.No

Event Name

Event date

1

International Yoga Day

21-06-2021

2

Independence Day & Republic Day



15-08-2020 & 26-01-2021

3

Teacher's Day

05-09-2020

4

Engineer's Day

15-09-2020

5

Mahatma Gandhi Jayanthi

02-10-2020

6

National Voters Day

25-01-2021

7

National Unity Day

31-10-2020

8

Constitution Day

26-11-2020

9

National Mathematics Day

22-12-2020

10

### National Youth Day

12-01-2021

11

### International Women's Day

08-03-2021

12

### Youth Skill Day

10-07-2021 to 15-07-2021

### Republic Day and Independence Day:

Every year the Institution celebrates Republic Day and Independence Day hoisting the national flag by Chief Guest of the Programme and presents medals and certificates to the NCC cadets for their best performance. Students and staff salutes the flag and then sang the National Anthem.

### Gandhi Jayanthi:

Gandhi Jayanthi is celebrated in memory of the Father of the Nation, who devoted his whole life preaching Truth and following Ahimsa. The College organized mass pledge in accordance with the Prime Ministers' urge for 'Swachh Bharat Abhiyaan'.

### Teachers Day :

The Institution celebrates Teacher's Day commemorating the birthday of Dr. Sarvepalli RadhaKrishnan, a great teacher. On that day the Institution felicitates eminent personalities from the educational field.

### Youth Day:

National Youth Day is celebrated on 12th January on the college campus with the aim of motivating the youth through the way of life and ideas of Swami Vivekananda to generate a positive attitude towards the people to provide them with every knowledge about how to behave in a proper way in the society.

**Engineer's day :**

The organization celebrates Engineer's Day on 15th September to mark the birth anniversary of Sir Mokshagundam Visvesvaraya by project exhibitions. Different project models are developed and exhibited by the students.

**National Unity Day :**

National Unity day is celebrated on 31st October, the birth anniversary of Sardar Valla Bhai Patel. All students and staff take part in the Run for Unity followed by the National Unity pledge.

**International Women's Day:**

Women's Committee organizes Women's Day on 8th March for the girl students and lady staff members in the college and conducts various events and competitions.

**National Voters Day:**

National Voters Day is celebrated every year on 25th January to spread awareness about the necessity of voting and to encourage young generation towards the voting rights.

**International Yoga Day:**

International Yoga day is celebrated on 21st June every year in the campus. The sessions include orientation on Yoga, its mental and physical benefits and actual performance of some yoga asanas.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.2 - Best Practices**

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

**INTERNAL QUALITY ASSURANCE CELL (IQAC)**

## BEST PRACTICES

### FEW INSTITUTIONAL BEST PRACTICES

#### 1. VIRTUAL CLASSROOM SUPPORTS AND VIDEO CONFERENCING USING ZOOM MEETING

##### Objective:

- The main objective is to increase the quality of Teaching - Learning Processing by incorporating ICT modes like, online classes and webinars.
- Zoom Meeting and Google Classroom that aims to simplify creating virtual classroom, interacting and distributing the materials in a paperless way.
- This practice is to share needy resources between teachers and students.

##### The Context:

- Virtual Classroom supports and video conferencing using zoom meeting impacts to increase the students learning.
- Teachers can schedule the task dynamically and have the option to attach files to the assignment which students can view, edit, or get an individual copy.
- Students can create their own study materials, Assignment reports and their innovations effectively.
- Teachers have the option to monitor the progress of each student
- It allow the students to review the classes, assignments and other tasks for detailed understanding.
  - Time Management, Evaluation, Assessment Report generation and remedial process become very easy with these types of ICT modes.

##### Evidence of Success:

- The method helped all students for referring of syllabus, topics covered, important questions in the theory exam, previous year's question papers etc.

- Students can access it from their home or where ever and whenever they are free.
- Progress will be monitored timely.

Challenging Issues:

- Uploading resources are the main challenges
- Internet connectivity

2. DIGITAL POSTER PRESENTATION BY STUDENTS

Objective:

- To cultivate out of box thinking, such as inter-disciplinary thinking, synthesizing knowledge of different disciplines and to cope with complexity among students.
- To ensure the knowledge acquiring among the students community.
- To make them understand the emerging concepts from known concepts.
- To stimulate in-depth learning of the concepts and understanding of various topics.

The Context:

- This event is to provide an opportunity for the students to share their knowledge with the peer group members.
- The digital poster is prepared in advance with desired technical framework to share the knowledge on inter-disciplinary fields.
- This activity will lead to encourage the students to participate in symposia, technical presentation.
- Digital transformation refers to the use of digital technology to better serve the stake holders.
- Managing the activities of the institution in a technology-enabled way will ensure effective functioning of the institution.
- Electronic data management provides ready and relevant information to stake holders for decision making. For any educational institute, academic activity is the major decision making component and proper maintenance & process of this data leads to success of the institute.
- In this direction, the college has a well-established system

to standardize and automate various processes across all the departments to ensure availability and transparency of data.

**The Practice:**

- The schedule is prepared and given to the faculty members to prepare and present the acquired
- This presentation is recorded for review and template for the other participants.

**Evidence of Success:**

- Outcome of this practice enables the students to
- Participate in technical presentation
  
- Conferences
- Project Expo
- Participate in skill oriented competitions

**Challenging Issues:**

Resources are the main challenges for participation in the competition.

- For success of such practices require attitude and willingness without which it is difficult to motivate students which is the target audience of the Institute.
- Degree of motivation required in the minds of the students can result in success of such practices.

### 3. CAREER GUIDANCE TRAINING

**Title of the Practice**

We offer career guidance on all aspects of career planning, job opportunities and options of post-graduate studies for students to help them choose the right career path based on their interests and capabilities. The Institute works towards enhancing the individual and institutional culture to better turn out graduating students with appropriate attitude, capability and temperament to serve the needs of an ever-changing and dynamic needs of the community.

**Objectives of the Practice**

The practice of continuous and improved career guidance serves to achieve the following objectives,

To broadly explore various career options. The practice helps the students to think of various forms of careers that can be taken up by them after completing the graduation

To enable students to select appropriate higher education program after completing the undergraduate program

To identify and facilitate the students (with a desire to explore entrepreneurship) in making them aware of the necessary resources (Process, Technology and Enterprises) needed to explore entrepreneurship as a career path.

To impart oral and written communication skills and knowledge essential to successfully navigate the placement process.

To provide a platform for gaining knowledge on various aspects relating to civil services examinations along with Interaction with some already successful candidates.

#### Evidence of Success

1. The number of students attending the career guidance programs willingly has increased over the years.
2. The retention rate of graduates in their employed organizations is better than before.
3. Alumni feedback indicates that the students who have undergone life skills training programs are really helpful in balancing their work and life.
4. Star-up activities are initiated by incubation center where the students are facilitated in putting ideas into practice
5. The students have progressively gained confidence in managing the placement interviews better.
6. The success rate of students in getting placed (who opt for placements) have improved continuously and even good during downturn years.
7. A few of the students have become successful in selecting and getting through civil services examinations.
8. Some students have become successful entrepreneurs also.

#### 4. HANDOUT SYSTEM

Handout system is introduced in all the departments. All the pre-requisites are preparing well in advance and shared to the students on day one class for effective progress of the academic semester (in .pdf).

This practice will be ensured by the academic audit cell.

Objective:

1. To strengthen the teaching learning process
2. To enhance the quality of Teaching
3. To increase the students' involvement
4. To ensure the faculty readiness
5. To improve the overall performance of the students.

#### 5. INTERNAL ACADEMIC AUDIT SYSTEM

Purpose:

To promote self-reflection/self-improvement measures among all departments being audited.

To conduct quality checks on different activities undertaken in all departments/ Students activity of the institution to meet expected outcomes.

To promote adoption of best practices and innovative methods for quality teaching-learning process.

The Following Areas will be covered:

Functioning of classes

Students' Academic Performance (Mid Exam)

Students Attendance/ Regularity

Faculty Cooperation/Involvement

Syllabus coverage as per course plan



Use of ICT enabled teaching & Digital courses

Maintenance of Course File/TFPR with updation

Syllabus coverage of practical courses

Corrective and Preventive Action

Innovation and Best Practices for T-L Process

Files Management / Periodical Updation

Special Effort

Slow Learner Support

Periodical Attendance Upload

Workshop/seminar attended

Support for students co-curricular and extra-curricular activities

Criteria wise NAAC progress

Lab Verification

EVIDENCE OF SUCCESS

PLACEMENT DETAILS COLLEGE WISE

Academic Year

No. of Students Eligible

No. Students Placed

No. of Placements

% of students Placed

% of Placements

2020-21

983

685

832

69.68%

84.6%

File Description	Documents
Best practices in the Institutional website	<a href="https://sriindu.ac.in/wp-content/uploads/2020/10/best-practice.pdf">https://sriindu.ac.in/wp-content/uploads/2020/10/best-practice.pdf</a>
Any other relevant information	<a href="https://sriindu.ac.in/wp-content/uploads/2020/10/best-practice.pdf">https://sriindu.ac.in/wp-content/uploads/2020/10/best-practice.pdf</a>

### 7.3 - Institutional Distinctiveness

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

#### Institutional Distinctiveness

Our vision is to be a premier institution in engineering and technology and management with competency, values and social consciousness.

Sri Indu College of Engineering and Technology is consistently motivating, support platform for students to exhibit their skills knowledge in various competitive Technical Events. Our institute has arranged various technical events and awareness programs to increase the competency level.

High quality of the academic excellence covers way for the desired outcomes of conceptual learning and technical competency among the students. This is achieved through curriculum design in tune with the global requirement blended with innovative teaching – learning methods. Motivating and supporting the students into various technical programs and activities, guest lectures and workshops through technical associations and forums namely ISTE, IETE, CSI, IEEE enables them to develop their technical competency to work towards their career aspirations and opportunities and to achieve their desired academic and career goals.

Students are educated on courses offered through MOOCS (NPTEL NOC, Coursera, Spoken Tutorial, etc.,) each of the semesters in tune with the courses offered through the semester. The institute also acknowledges the academic excellence of the students through scholarships, cash awards and Gold Medals during College Annual Day. Innovation and Design: The institute's vision to empower the budding women engineers towards innovation and design is visualized through their active participation in national level competitions like Hackathon, paper presentations, Project expos. The students are mentored and guided by the faculty in working competitively to stand at the national level in various technical events. SICET IIC, R&D Cell, EDC Cell, S-HUB, P-HUB conducts various workshops, seminars, guest lectures and contests to enhance the potential of the students towards innovation and design. Various technical contests and competitions are conducted by department technical associations to challenge the technical competency of the students.

The SICET NSS team takes up initiatives in collaboration with government agencies and NGOs to built up social responsibility among the students by arranging blood donation camps, tree plantation, women empowerment, skill developments, voters awareness programs, Clean Campus, Eco friendly activities etc.,

The vision of the institute is "To develop integrated manpower with right attitude, possessing knowledge and skills, required to make an honourable living and contribute to the socioeconomic development and welfare of the society".

In addition to preparing the students with core competencies to face the global challenges, believing that "skills are of less value in the absence of appropriate value systems", the institute strives in making students adopt right attitude, understand and contribute to the socio-economic development & welfare of the society. The institute is contributing to the development of the nation by capacity and character building of the students. The institute takes lead in serving the society and in inculcating those values in the minds of young generations and imbibing in them, the required qualities to make an honorable living in the society.

The institution also donates funds in order to fulfil its role of social responsibility and inspires the students to follow the same in their lives.

- Contributed Rs.6,00,000 lakhs to the Commissioner of Police, Rachakonda Police Station, Hyderabad for C.C. TV & Cameras

provision in the surroundings..

- Contributed to the welfare of the victims of natural disasters in association with students and faculty.
- Offers "POOR & MERIT Scholarships" to help the students in pursuing graduation. They are, in turn, requested to help the poor, in future.

Location Advantage, Quality residential Hostel for girls and Holistic development through Clubs:

Sri Indu College of Engineering and Technology was established by New Loyola Model Educational Society - 1971, Vanasthalipuram, Hyderabad under the chairmanship of Sri. R. Venkat Rao. The institution is situated with an extent of 54 acres on the Nagarjuna Sagar highway at a distance of 15KM from L B Nagar, Hyderabad, Telangana . The college is recognized under 2(f) & 12(B) of UGC act 1956, Accredited by NBA and NAAC, approved by the AICTE, New Delhi and permanently affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana.

Our website: <http://www.sicet.ac.in/>

Location Advantage

Sri Indu College of Engineering and Technology is surrounded by several villages and the ambience is set in a completely rural background with serene atmosphere. Many students are coming from nearby villages such as Sheriguda, Patelguda, Mangalpally etc. Most of the students prefer to attend the college on foot and by bicycle. Due to these factors the institute is free from pollution and doesn't get exposed to contamination. With these aspects students will get benefited not only financially but also health point of view. By possessing the above special features, the institution maintains its distinctiveness. The students of this institute do not get disturbed since the campus is away from buzzing city life. The students do not have any distraction and so naturally concentrate their studies thoroughly. Moreover, education facilities get decentralized if the institutes are established in different locations. Thus the institution is blessed to be close with the nature. By staying away from the metropolitan environment, students will focus on studies rather than other avocations. Thus those who come from nearby places will have the advantage of low cost maintenance, and also they can save time. Though the institute is on the high way, it is thus attached to rural area. The institute caters the needs and demands of students with regarding the transportation both for faculty and students with bus services

covering from different areas covering the length and breathe of the city like Dilsukhnagar, Mehdipatnam, Kukatpally, Alwal, Ghatkesar etc. to the Institute. The buses are safe with well trained drivers appointed by the college authorities. The buses also equipped with FirstAid facility. These buses are secured, comfortable and affordable.

#### Residential Accommodation for Girls

Quality Residential Hostel for Girls: The institute provides Residential Hostel exclusively for the girls. It caters homely hygienic food with delicious multi cuisine items with south Indian and north Indian delicacies. This hostel is fully equipped with modernized amenities. The student will have the advantage of attending for the study hours so that they can clarify their doubts. The institute charges reasonable fee and they are provided with complete security consisting of CC cameras. The hostel also provides First Aid service, mineral water and gives utmost importance to cleanliness. Students are taken by the dedicated wardens and supporting staff. The grievances of the hostellers are addressed immediately and there will also be visiting hours for the parents and guardians in a stipulated time. The hostel is Wi-Fi enabled with power backup facility. The hostel also provides the lift facility, hot water and TV. Students are allowed to go outside provided they must take prior permission from the warden concerned and they are expected to return to the hostel before the schedule time. To discourage the ragging in the hostel, the accommodation rooms are provided separately for both seniors and juniors. Strict action would be initiated if any student indulges in indiscipline and no student is expected to bring objectionable items to the hostel.

#### Students Clubs

##### Practice Hub (P-Hub)

##### SRI INDU PRACTISEHUB ACHIVEMENTS IN GMRIT, SRIKAKULAM TECH FEST (STEPCONE2K19)

Recently we have been participated in GMRIT College-Srikakulam and we have won 5 awards and awarded which64,000prize money.

We have actively participated in major International events and secured respective positions:-

- 1st prize in Project design contest
- 1st prize in paper presentation(EEE Domain)

- Young Innovation award
- Silver medal prize for best paper presentation in all Departmental Domains
- 2nd prize for Drone Racing

**NSS activities:**

The institute, through NSS unit and blood donors club, organized various activities to help the society and to inculcate the service motto in the students.

**Some of the activities:**

- Conducted number of Blood donation camps and medical camps.
- Provided services to the victims of natural calamities.
- Participated in Plantation programs organized by the college or the government.
- Conducted awareness programs on "Swachh Bharat Mission" theme & rally on swachh Bharat, no plastics, cashless transactions etc.
- Distributed books to school children
- Rendered services at Sheriguda and surrounded villages

**Literary and Cultural Committee:**

Helping hands, a student initiated club of Literary and Cultural Committee organized many activities like distribution of fruits, sweets etc. to blind and poor people.

**Departments and institute activities:**

- The institute organized project exhibitions in the campus and invited students from various schools to visit the exhibitions. The students as technical volunteers actively involved in explaining the concepts.
- The departments organized awareness programs on energy conservation and the use of technology in nearby villages and conducted power point presentations to explain the concepts.

## Part B

### CURRICULAR ASPECTS

#### 1.1 - Curriculum Design and Development

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

The Institute has the systematic procedure for development, revision and implementation of curriculum of all the departments. The Primary objective of the institute is to create Techno-Managerial power for the global needs. The curriculum is designed carefully by addressing the recent technologies and the opportunities existing in regional and global level with all necessary fundamentals.

#### Factors for Curriculum Design:

The Curriculum is designed to ensure that the students have the required domain knowledge, skills and attitude. The factors considered for design of curriculum are: (i)The Program Specific Outcomes of professional bodies, (ii)Syllabus of various reputed Indian and International Universities (iii)Syllabi of various competitive exams like GATE, IES, etc, (iv)Suggestions by industry experts and alumni, (v)Model curriculum prescribed by AICTE Implementation of Outcome Based Education (OBE) in the Curriculum:

- The initial phase for ensuring academic quality is the design of the curriculum, in particular, the types of courses, the number of electives, and the curricular structure, with complete details of the course title and course contents as per the regulations.
- The next phase, the Course Outcomes (COs) for every course is mapped with the Program Outcomes (POs) of NBA and the Program Specific Outcomes (PSOs) of the program.
- An effective implementation of this Outcomes Based Education (OBE) ensures that our graduating engineers have all the 12 POs defined by NBA, and hence can compete on a global platform, and have expected global attributes. Specific to every program, we have 3-5 Program Educational Objectives (PEOs) that are measured through the performance of the alumni

The Institute keenly observes the attainments of PEO, PO and PSO for the respective programs which intern relates to Vision and Mission of the institution and Department as well.

#### Process for Curriculum Design:

The initial version of the curriculum is prepared by having the above design criteria, through discussions with stakeholders. The proposed curriculum is then discussed in departments and is put forth to BOS (Board of Studies) where the experts from industry, academia, Alumni in addition to senior faculty members. The curriculum is then placed for approval during the Academic Council (AC).

The initial version of the curriculum is prepared by having the above design criteria, through discussions with stakeholders. The proposed curriculum is then discussed in departments and is put forth to BOS (Board of Studies) where the experts from industry, academia, Alumni in addition to senior faculty members. The curriculum is then placed for approval during the Academic Council (AC).

The academic autonomy of the Institution provides the opportunity to frequently revise the curriculum based on needs and suggestions from various stake holders. In last five years the syllabus of UG programmes was revised in 2012, 2014, 2016, 2018 and 2020 and for PG in 2016, 2018 & 2020. Since the institution is situated in the rural area, revision of the curriculum focuses mainly on introducing new courses with multiple facets for improving the soft skills, general aptitude and technical aptitude.

The students are made mandatory to upgrade their knowledge by undergoing MOOCS courses through NPTEL & Course Era. Further the Internship made compulsory for all the students and as a result the student can upgrade the knowledge base in diversified fields. In addition to the curriculum, student's skills are upgraded by conducting various value added courses and become industry ready.



File Description	Documents
Upload additional information, if any	<a href="#">View File</a>
Link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/1.1.1-Upload-additional-information-if-any.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/1.1.1-Upload-additional-information-if-any.pdf</a>

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

15

File Description	Documents
Minutes of relevant Academic Council/BOS meeting	<a href="#">View File</a>
Details of syllabus revision during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

17

File Description	Documents
Curriculum / Syllabus of such courses	<a href="#">View File</a>
Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses	<a href="#">View File</a>
MoUs with relevant organizations for these courses, if any	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**1.2 - Academic Flexibility****1.2.1 - Number of new courses introduced across all programmes offered during the year**

5

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format (Data Template)	<a href="#">View File</a>

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

15

File Description	Documents
Minutes of relevant Academic Council/BoS meetings	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
List of Add on /Certificate programs (Data Template)	<a href="#">View File</a>

### 1.3 - Curriculum Enrichment

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

In order to integrate the cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics, The College has imbibed different types of courses in the curriculum, some enhance professional competencies while others aim to inculcate general competencies like social values, human values, environment sensitivity etc., thereby leading to the holistic development of students.

The courses on Ethics, Human Values, Human Resources & Organizational Behaviour and Community Outreach (HVCO) through NSS and NCC, Environmental Studies are embedded in the curriculum of all programmes.

#### 1. Gender Sensitivity

Gender sensitivity and gender sensitization is accomplished through amalgamation of theory and practice. There are many platforms for hands-on experiences related to gender sensitivity which enable students to interface with real life situations such as field work, community outreach, and gender sensitization

activities under Women Advisory Committee (WAC).

The WAC (Women Advisory Committee) was constituted and has been functioning in formal sense since 2002. It is reconstituted as WAC & ICC (Women Advisory Committee and Internal Complaints Committee) from 2017. The cell aims to enable Women faculty and girl students to explore their imminent potential in all aspects, providing a congenial working environment for them.

The events such as Quiz, Miss-Ethnic, Role-Play and Elocution Competitions on Women Empowerment and Great Women Personalities are conducted. The programme on "Gender Sensitization and Social Responsibility" was conducted. Around 10 programmes like "Awareness on Sexual Harassment at Work Place", "Theme: Laws related to Women", "Cervical Cancer Awareness", "An Orientation on Behavior and Discipline of Girl Students", "Violence against women-Safeguards-awareness of women laws" were conducted in last five years.

## 2. Human Values and Professional Ethics

A course of one credit on human values "Professional Ethics and Human Values" is offered as Subject / open elective to all the students to take at least once during the programme of study. In view of Social development activities like working in NGOs, organizing blood donation camps, health check-up camps, hygiene and health workshops, environment awareness camps, river cleanliness drive, workshops on social issues, public health, gender issues etc. All the activities of are monitored by faculty in-charge at each institution/campus.

As an integral part of student engagement in social activities during their programme of study, college also mandates all the students to enroll as NSS/NCC Volunteers. It aims at inculcating values, ethics and socially responsible qualities. Students organize street plays, awareness campaigns, debates etc. Human values activities by students are being conducted since inception.

## 3. Environment Science

A course of 3-4 credits is included in all UG programmes. In order to sensitize students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, industry visits and field excursions were organized for students of all programmes. Environment Day,

Earth Day, Water Day are celebrated every year, where students actively participate. Workshops and seminars on various aspects of environment sustainability are organized periodically.

File Description	Documents
Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values and Professional Ethics in the curriculum	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

27

File Description	Documents
List of value-added courses	<a href="#">View File</a>
Brochure or any other document relating to value-added courses	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

11190

File Description	Documents
List of students enrolled	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1938

File Description	Documents
List of programmes and number of students undertaking field projects / internships / student projects	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

1.4 - Feedback System	
<b>1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers 3) Employers and 4) Alumni</b>	<b>A. All 4 of the above</b>
File Description	Documents
Provide the URL for stakeholders' feedback report	<a href="https://sriindu.ac.in/agar-2020-2021/">https://sriindu.ac.in/agar-2020-2021/</a>
Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>1.4.2 - The feedback system of the Institution comprises the following</b>	<b>A. Feedback collected, analysed and action taken made available on the website</b>
File Description	Documents
Provide URL for stakeholders' feedback report	<a href="https://sriindu.ac.in/agar-2020-2021/">https://sriindu.ac.in/agar-2020-2021/</a>
Any additional information	<a href="#">View File</a>
<b>TEACHING-LEARNING AND EVALUATION</b>	
<b>2.1 - Student Enrollment and Profile</b>	
<b>2.1.1 - Enrolment of Students</b>	
<b>2.1.1.1 - Number of students admitted (year-wise) during the year</b>	
2020-21 - 1132, 2019-20 - 1066, 2018-19 - 1076, 2017-18 - 1065, 2016-17 - 1135	
File Description	Documents
Any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>
<b>2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year (exclusive of supernumerary seats)</b>	

2020-21 - 965, 2019-20 - 737, 2018-19 - 745, 2017-18 - 857 ,  
2016-17 - 859

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of seats filled against seats reserved (Data Template)	<a href="#">View File</a>

## 2.2 - Catering to Student Diversity

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

The institution has well-planned multi-level strategies that are implemented from time to time to address the issues of diversity in students' learning levels. Initial cues of the students' learning abilities are obtained from their performance in the qualifying examination, entrance examination and the induction training program conducted immediately after the admission. Since then, the students are trained by the respective faculty members during their course work, catering to their needs and putting conscious effort to remove their difficulties.

The actual stratification of students into slow, average and advanced learners is based on their performance in the I series of internal examinations and a continuous follow-up taken up thereafter till the course completion by the concerted efforts of teaching faculty, course coordinator and Head of the department.

- Special remedial classes are arranged for the slow learners before or beyond the regular class schedule on specific days for each course and individual attention is paid for improving the students' level of learning, problem solving and presentation.
- Simultaneously, the needs of the average, progressive and advanced learners are taken care of by the concerned faculty through assignments, seminars, and more importantly peer-group discussions. Peer group learning is always found to yield good results as all the members are benefited. The advanced learners will derive satisfaction and get motivated for further in depth learning while the slow and progressive, average learners get their doubts clarified with the lucid, hesitance-free academic discussions.
- Slow learners are further assisted through individualized counseling by the resident faculty in Educational

Psychology of the institution and the regular counseling sessions by the class in charges. Most of the students' problems resolved by these efforts and if felt necessary, the parents are called in for additional help to their ward.

Slow learners are given special attention to improve their performance through one or more of the following:

- The College has been conducting a study on incremental Academic growth of different categories of students from their performance at the examinations.
- The soft and communication skills are given special emphasis for the students from rural Background to improve these skills and thereby bring them at par with regular learners.
- Academic Performance of the students from disadvantaged sections of society, differently abled, slow learners, economically weaker sections etc.. is spotted by the teachers during their lectures in classrooms.
- Remedial classes are held for these students after college hours (based on result analysis)
- Providing study material ( If required)

To support the advanced learners, college conducts /encourages

Advanced learners are continuously encouraged to strive for higher goals by providing them additional inputs for better career planning and growth like:

- Encouraging the students to participate in seminars, Workshops and Conferences.
- Special training to motivate students to present papers in seminars / conferences.
- Offering special coaching for GATE, GRE, TOFEL / IELTS and IES exams.
- Encouraging them to participate in science expos in order to design and build working models in order to give shape to their inherent ideas.

Providing opportunities to develop their creativity by organizing intercollegiate as well as national level cultural, literary, and technical and sports Competitions.

It is quite often noted that the slow and average learners become more motivated and start performing well in academics after

participation in the technical, sport and cultural activities. The feel of 'recognition and appreciation' of their efforts and skills put them in a good stead.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.2.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.2.1-Upload-any-additional-information.pdf</a>

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

Year	Number of Students	Number of Teachers
01/06/2020	4339	250

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

### 2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used for enhancing learning experiences:

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

1. Design/development of solutions: Students attempt to develop solutions for complex engineering problems and design system components/processes that meet the specified needs of real-time cases through group analysis, brainstorming etc.
2. Mind Maps for creativity: Teachers create a central node on a Mind Map and provide students the freedom to expand and develop novel ideas.
3. Flipped Classes, blended learning and model making methods are introduced for selected topics to enhance participative



learning.

4. Students are encouraged and presently made mandatory to take (Massive Open Online Courses) MOOCs , NPTEL, Course Era offered by premier institutions of the country. They include online lectures, demonstrations and interaction through skype sessions.
5. Project works involving latest technologies and use of advanced soft-wares like ANEKA 5.0 Cloud Computing, Hardware with IAAS Open Stach, MATLAB, CAD/CAM, are encouraged.
6. Participation in professional societal activities of IEEE, ISTE, ACM, CSI, IETE etc. are currently mandatory.
7. Proficiency in soft and communication skills through lab sessions.
8. GTP / CRT Training Classes and Company specific training classes.

#### Industry interaction and summer training

1. Industrial / field visits, Practical training / internship at Industry and/or renowned institutions like TCS, Infosys, BSNL, CITD, Power Stations and Plants, HMT etc. are mandatory at present.
2. Industry projects and collaborations are undertaken to enrich students with pre-employment training.
3. Periodical Guest lectures on topics relevant to employment skills by personnel from respective organizations / industry.

#### Experiential learning

1. Practical courses (laboratory) including virtual labs are made compulsory in the curriculum.
2. Technical know - how regarding maintenance and repairing activities of various lab equipment.
3. Different learning methods viz. problem-based, case-based, project-based, inquiry based, computation-based, co-operative (work- or community-based) are implemented wherever feasible.
4. Students are encouraged to take up innovative projects and mini or Major projects.
5. Organization of exhibitions and open houses projecting senior students' achievements on regular basis are a source of motivation for younger students of the college.

6. Conducting investigations for solving complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
7. Studio performances are practised to facilitate learners understand the deficiencies, leading to improvement in further endeavours. These sessions remove fear, tension, and deterring emotions.

Problem solving methodologies adopted are

1. Giving assignments and quizzes at the end of instruction of each unit.
2. Case Study Analysis and Discussion.
3. Product Design and development.

All academic activities are aimed at elevating the students' knowledge, skills and build confidence in them.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.3.1-Upload-any-additional-information.pdf</a>

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

The SICET Faculty members are practicing effective content delivery by using ICT tools in the class room for better understanding and reinforcement of the concepts and problem-solving is also adopted. ICT tools complement the traditional teaching-learning methods, and the institute is highly interested in providing innovative methods for enriching the learning experience. The institution has the needed resources which include wide availability of computers in engineering departments and library, high speed internet access and general ICT knowhow among the students and the faculty. The faculty are trained for the efficient use of tools through training sessions at the institute and/or faculty development programmes. Teaching/Learning methodologies include the use of ICT tools for illustrations and special lectures, field study, case-studies,

project-based-methods, experimental methods, flipped class room sessions etc.

The conventional lecture method facilitates the teacher to interpret, explain and revise the content of a topic, only for better understanding of the subject by the learners. At the end of instruction of each unit, the students are given specific assignment which enriches their learning. To enhance the effectiveness, lectures are presented as 'learning dialogues' including short intermissions facilitating the students to recapitulate the acquired knowledge by way of answering a few questions or a brief peer group discussion or a think-pair-share activity or any other relevant interactive session. Thus, the blended mode of learning which combines direct tutor-taught interaction with the online learning is largely implemented.

ICT components are embedded in the course contents of all relevant engineering disciplines which include free / commercial software used for computation / simulation such as the use of MATLAB for solving linear or differential equations and statistical analysis of experimental results in project works. ICT for course delivery includes power point presentation, video conferencing or educational websites. MOODLE on our college website is a mandatory ICT tool for learning process and resource management, and it also enables monitoring of students' learning process through online quizzes, submission of online assignments etc. It helps our students in blended learning, flipped classroom and other e-learning projects.

ICT enabled Teaching-Learning Process is supported with Regular Practical Sessions, access to Digital Library, Online Courses (MOOCS, NPTEL etc.), online journals, Online tests, Use of LCD projectors for seminars and workshops, productive use of educational videos, and accessibility of non-print material for students of different disciplines. Communication skills training facility is enriched with ICT tools to make the students acquire proficiency in listening, speaking, reading and writing skills.

The case study and the project-based learning methods, which are participatory, discussion/demonstration based ways of learning, enable students gain the skills in critical thinking, communication, and group dynamics and reflect appropriate integration of direct and online interaction of the participating members. As engineering courses are of quantitative nature, embedded with step by step solving of innumerable problems, hands-on sessions in the labs and internships at work places, faculty

and students find ICT tools indispensable.

File Description	Documents
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="https://sriindu.ac.in/videos-photos-of-ict/">https://sriindu.ac.in/videos-photos-of-ict/</a>
Upload any additional information	<a href="#">View File</a>

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

#### 2.3.3.1 - Number of mentors

259

File Description	Documents
Upload year-wise number of students enrolled and full-time teachers on roll	<a href="#">View File</a>
Circulars with regard to assigning mentors to mentees	<a href="#">View File</a>

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

#### 1. Academic calendar

The IQAC collects the plan of action from Department and Section heads and puts in the Academic Committee that prepares a well-planned Academic calendar. It is printed and displayed in the notice boards, and kept in the college website. The calendar, made available to the students before the commencement of classwork, includes:

- First and last day of instruction, schedules of internal and external exams, preparation holidays for final examinations, and vacation periods.
- Academic calendar is strictly adhered to. However, in case of any unforeseen situations which are beyond the control of the institution, necessary change is made by the authorities and the same is displayed in notice boards and websites.

#### 2. Teaching Plan

Heads of the departments conduct meeting with their respective faculty well in-advance of commencement of the semester course work, and allocate subjects. A unit-wise teaching plan of the course content, spread over the allotted lecture hours, is prepared to ensure a uniform pace of teaching. Course-coverage is monitored by the concerned HOD once in a fortnight and deviations if any, are clarified with the concerned faculty and special class work is planned.

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

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

- Course prerequisites
- Course objectives and outcomes
- Mapping of course outcomes with program outcomes
- Learning resources
- Delivery methodologies - LBD (Learning by Design).
- Assessment methods
- Detailed unit wise lecture plan
- Assignment and tutorial questions
- Model question paper
- Link to the video lectures
- Additional information over and above the curriculum

The copies of the same are maintained in the department and also in the Academic section. The web link for the teaching plan is available at <https://sriindu.ac.in/>. Adherence to the academic plan is followed by the faculty and details are recorded in the Attendance and Evaluation Records hosted on the academic activity portal of the institute. Academic Audit Cell will audit the Academic plans of each faculty and the audit reports are submitted to the Heads of the departments for necessary follow up action.

File Description	Documents
Upload the Academic Calendar and Teaching Plans during the year	<a href="#">View File</a>
<b>2.4 - Teacher Profile and Quality</b>	
<b>2.4.1 - Number of full-time teachers against sanctioned posts during the year</b>	
<b>259</b>	
File Description	Documents
Year-wise full-time teachers and sanctioned posts for the year	<a href="#">View File</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View File</a>
Any additional information	<b>No File Uploaded</b>
<b>2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year</b>	
<b>28</b>	
File Description	Documents
List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teachers for 5 years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
<b>2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experience in the current institution)</b>	
<b>259</b>	
File Description	Documents
List of teachers including their PAN, designation, Department and details of their experience	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 2.5 - Evaluation Process and Reforms

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

File Description	Documents
List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

65

File Description	Documents
Upload the number of complaints and total number of students who appeared for exams during the year	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

1. Sri Indu College of Engineering and Technology had made complete automation of examination processes, which helped in the successful execution of examination processes such as monitoring of examination fee payment, examination schedule, seating arrangement, attendance monitoring, coding and decoding of scripts, marks data entry, producing result processing and result analysis by Examination software tool, BEES thus facilitated result processing with accuracy.

2. Online Website broadcasting updated notifications, schedules, events can greatly help various

stakeholders including parents, students etc. has been implemented.

3. Establishment of Student Facilitation Center for online

support.

4. Payment gateway is also available for the payment of various fees online by the students to make the registrations online for various services.

5. Sri Indu College uses the OMR technology for the printing of preprinted bar coded answer booklets thereby avoiding manual coding of answer booklets, scanning the marks slips and processing the results and printing the reports, Semester memos, Provisional Certificates (PC's) and Consolidated marks memos (CMM's).

6. Online collection of Mid marks from all the departments.

7. Online student registrations for End Examination being done through Examination software tool BEES.

8. Student profiles which includes photograph, student name, AADHAR number, Contact number, Parent name and contact number, email id of student, branch, course, receipt numbers are being maintained by BEES software.

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

10. OMR and Barcode technology on cover page of answer sheet is used for all the faculties.

11. QR code being used in marks memos for security reasons and to avoid any tampering.

12. Digitization of OMR part-1 in which evaluator has awarded marks by using Scanner and ScandAllPro software is used for converting OMR's to images for further result processing.

13. Sending SMS to students informing about Examination dates, exam fee payment dates,

attendance updates, results has facilitated students as well as parents.

14. Sri Indu College has successfully implemented the curriculum as per the guidelines of the UGC/AICTE.



15. This Institute has made available the detailed scheme of instructions, examination pattern and syllabus in a book form for the students.

16. Sri Indu College of Engineering and Technology(Autonomous) adopts Centralized Continuous Internal Evaluation (CIE) System to assess all aspects of a student's development on a continual basis throughout the year.

17. In order to provide more academic flexibility for the students, the Choice Based Credit System (CBCS) has been introduced for UG and PG programmes. Grading System is being implemented in the evaluation and assessment of students in place of percentage of marks.

18. Board of Studies members consisting of one professor appointed by the university, one senior Faculty member from our college and other faculty members meeting will be held to discuss the reforms and discrepancies in the syllabus during Board meeting.

19. Orientation on Evaluation Process: An initiative has been taken to create awareness among student community at the beginning of semester through orientation programme.

20. Evaluation procedures being explained to students and regulations being printed in the form of a book and distributed.

21. Academic calendar mentioning the dates of Mid and End Examinations being prepared and distributed to the students, display in notice boards and also updating in the College website.

22. Sri Indu College of Engineering and Technology Strictly adhere to Academic calendar.

23. Tutorial meetings being conducted to create awareness on amendments in the evaluation process.

24. For fair conduct of examination, picking of room numbers through a draw system for

Invigilators have been successfully planned and implemented.

25. Creation of Question bank for setting mid examinations.

26. The Question paper setting as per BLOOMS Taxonomy has been following. Question paper is being thoroughly scrutinized for maintaining uniformity of coverage of syllabus and mapping of BT levels and Course Outcomes (CO)s among all the units. Sending paper setting requests through confidential mail maintained by the Dean.

27. Result analysis which is generated in the autonomous Annex is utilized by the teaching faculty after declaration of every semester examination results, where pass percentage is calculated and monitored by the principal and necessary feedback is given to the concerned faculty members.

28. Sri Indu College monitors the performance of the students and reports are being sent to parents after declaration of each semester results.

29. Parents/guardians are advised to take remedial measures to improve the performance of their wards.

30. Remedial Classes are being conducted for the slow learners, more absented students, sports students etc.,

31. The External Examinations for both theory and practical subjects is of 3 hours. The students with 75% attendance are only eligible to appear for the End Examinations, however students with an attendance of 65% -75% are condonable under various conditions.

32. A key to Examination question papers are prepared and provided to the paper evaluator during evaluation process.

33. Supplementary Examinations will be conducted as per the Academic calendar for both U.G. and P.G. Courses for the students who failed in 1 or more subjects.

34. Provision for Challenge evaluation system has been introduced.

35. Grievances of the students are addressed in the form of Re-counting and Revaluation, as the student applies for recounting/re-evaluation a standard procedure is adopted and clears the grievances from time to time.

36. Various reforms at administrative level has been implemented to ensure speedy processing of examination steps, complaints,

correspondences, issue of various certificates.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/aqar-2020-21/criteria-2/">https://sriindu.ac.in/aqar-2020-21/criteria-2/</a>

## 2.6 - Student Performance and Learning Outcomes

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

In strict compliance with the objectives of Outcome Based Education (OBE), the Program Outcomes (POs), Program Specific Outcomes (PSOs) and Course Outcomes (COs) are framed by the department offering the concerned program after rigorous consultation with all faculty and the stakeholders. After attainment of consensus, the same are widely propagated and publicized through various means such as display and/or communication specified hereunder.

- Website
- Curriculum /regulations books
- Class rooms
- Department Notice Boards
- Laboratories
- Student Induction Programs
- Meetings/ Interactions with employers
- Parent meet
- Faculty meetings
- Alumni meetings
- Professional Body meetings
- Library

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

Program specific outcomes (PSOs) are the specific skill requirements and accomplishments to be fulfilled by the students at micro level and by the end of the program. The programme coordinators prepare the PSOs, usually two to four in number, in

consultation with course coordinators. The BOS, including Head of the Department and subject experts, of the individual departments will discuss the same and approve it after endorsement by the Principal.

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

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

The POs/PSOs of the programme are published through electronic media at individual Department site located on the college website <https://sriindu.ac.in/> The COs of the courses are also published through electronic media at the Department site located on the college website: <https://sriindu.ac.in/>. In all the interactions with the students, awareness on POs, PSOs and COs is consciously promoted.

File Description	Documents
Upload COs for all courses (exemplars from the Glossary)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.1-Upload-any-additional-information.pdf</a>

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

#### ASSESSMENT PROCESS

Assessment Process for COAttainment:

For the evaluation and assessment of CO's and PO's, rubrics are used. The rubrics considered here are given below:

(i)CO Assessment Rubrics:

Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course. Internal assessment contributes 30% and university assessment contributes 70% to the total attainment of a CO.

(ii)CO Assessment Tools:

The various assessment tools used to evaluate COs and the frequency with which the assessment processes are carried out are listed in table.

In each course, the level of attainment of each CO is compared with the predefined targets, if is not the course coordinator takes necessary steps for the improvement to reach the target. With the help of CO against PO/PSO mapping, the PO/PSO attainment is calculated by the programme coordinator.

Table : Mapping of assessment tools to POs/PSOs with frequency

Mode of

Assessment Description Evaluation of Course Outcomes Related Frequency

Assessmen

t

Tool POs/PSOs of

assessment

Theory

Direct

Internal Two written examinations The questions in the internal PO 1 to PO 12 Two per

Examinations are conducted and its average examinations and assignment sheets are Semester

marks are considered. mapped against COs of respective

course. The questions for two internal

examinations and Assignments are

framed in such a way to cover all course

outcomes.

Direct

Assignments Two assignments are given PO 1 to PO 12 Continuous

for each course for The final attainment for each CO under

continuous assessment. direct assessment is calculated by taking

Average marks are fro

average of the CO attainments m

Considered.

Internal Examinations and Assignments.

Direct

Day to day The day to day evaluation is The final attainment for each CO is PO 1 to PO 12 Continuous

evaluation considered. calculated by taking average of the %

Direct

Internal Internal examination is evaluatio PO 1 to PO 12 One per

attainment from day to day n

Practical conducted in lab course. Semester

and Internal Lab Examination.

Examination

Direct

Industry To test student's concepts in Two Internal project reviews are PO 1 to PO 12 One project

review in

Oriented design, creative thinking and conducted and average of these two VII

Mini-Project independent analysis. Two review assessments are considered . Semester

project reviews are

Conducted

Comprehensiv

Direct

e To assess the student's The assessment is carried out by HoD PO 1 to PO 12 VIII

Viva Voice technical and analytical skills and three senior faculty members along Semester of

Examination in the domain of electrical With student's overall academic every B.Tech

and electronics engineering performance. Program

and also communication

skills.

Direct

Major Project To test student's concepts in Continuous assessment is carried by the PO 1 to PO 12 Three

design, creative thinking and Project review committee. First review project

independent analysis. Three emphasizes on Literature survey and reviews in

Final

project reviews are conducted Semister.



problem identification, second review on

Design methodology and the third  
review on validation of the model and  
documentation.

The external examiner assessment is  
considered as another assessment tool  
for project work.

Final CO attainment is calculated from  
these two assessments.

Indirect

Alumni

This survey gives the opinion

At the end of the programme

PO 1 to PO 12

At the end of

Survey

of the student on the

Alumni survey

is collected from

Alumni an

each course

attainment of course

Considered for the PO attainment under

Indirect assessment.

outcomes.

Indirect

Graduate Exit

This survey gives the opinion

At the end of the programme,

PO 1 to PO 12

At the end

of

Survey

of the graduate on the

graduate exit survey is collected from

the program

attainment of Programme

the graduates and considered for the PO

outcomes.

Attainment

unde

r

indirect

assessment.

(iii) Quality/Relevance of Assessment Process: Theory:

Internal Mid Tests: Internal tests serve to encourage students to keep up with course content covered in class. Two written examinations are conducted and its average marks are considered. For theory subjects, during a semester there shall be 2 mid-term examinations. Each mid-term examination consists of two essay paper and two assignment. The essay paper shall be for 25 marks each with a total duration of 1 hour 30 minutes. The essay paper shall contain 5 one marks and 4 x 5 marks. While the first mid-term examination shall be conducted on 1 to 2.5 units of the syllabus, the second mid-term examination shall be conducted on 2.5 to 5 units. Five (5) marks are allocated for Assignments (as specified by the subject teacher concerned). The first Assignment should be submitted

before the conduct of the first mid-examination, and the second Assignment should be submitted before the conduct of the second mid-examination. The total marks secured by the student in each mid-term examination are evaluated for 25 marks, and the average of the two mid-term examinations shall be taken as the final marks secured by each candidate. The questions in the internal examinations and assignment sheets are mapped against COs of

respective course. The questions for two internal examinations and Assignments are framed in such a way to cover all Course Outcomes.

The questions are framed in such a way that it should satisfy Bloom's Taxonomy, wherein each question is mapped to the appropriate course outcome of the respective course, which is evaluated based on the set attainment levels by the department.

University examination: These end-semester examinations are of 3-hour duration and cover the entire syllabus of the course. It would generally satisfy all course outcomes for a particular course. The COs are evaluated based on the set attainment levels.

Practical Subjects:

Daily Performance: Lab courses provide students first-hand experience with course concepts and the opportunity to explore methods used in their discipline. All the students are expected to be regular and learn the practical aspects of the subject and develop the necessary skills to become professionals. In order to facilitate interaction among the students and to develop team spirit, the students are expected to carry out experiments in groups. Performance assessment is based on the ability of the student to actively participate in the successful conduct of prescribed practical work and draw appropriate conclusions. The student submits a record of practical work performed in each lab session.

For practical subjects there shall be a continuous evaluation during a semester for 25 sessional marks and 50 end semester examination marks. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned.

University examination: The end semester examination shall be conducted with an external examiner and the laboratory teacher. The external examiner shall be appointed from the clusters of colleges which are decided by the examination branch of the University.

These end-semester examinations are of 3- hour duration and cover the entire syllabus of the course. It would generally satisfy all

course outcomes for a particular course. The COs are evaluated based on the set attainment levels.

**Design/ Drawing:** For the subject having design and/or drawing, (such as Engineering Graphics, Engineering Drawing, Machine Drawing) and Estimation, the distribution shall be 25 marks for internal evaluation (15 marks for day-to-day work and 10 marks for internal tests) and 75 marks for end semester examination. There shall be two internal tests in a Semester and the average of the two shall be considered for the award of marks for internal tests.

**Mini-Project:**

There shall be an industry-oriented Mini-Project, in collaboration with an industry of their specialization, to be taken up during the vacation after III year II Semester examination. However, the mini-project and its report shall be evaluated along with the project work in IV year II Semester. The industry

oriented mini-project shall be submitted in a report form and presented before the committee. It shall be evaluated for 50 marks. The committee consists of an external examiner, head of the department, the supervisor of the mini-project and a senior faculty member of the department. There shall be no internal marks for industry-oriented mini-project.

**Seminar**

There shall be a seminar presentation in IV year II Semester. For the seminar, the student shall collect the information on a specialized topic and prepare a technical report, showing his understanding of the topic, and submit it to the department. It shall be evaluated by the departmental committee consisting of head of the department, seminar supervisor and a senior faculty member. The seminar report shall be evaluated for 50 marks. There shall be no external examination for the seminar. The committee evaluates seminar based on following parameters.

## Assessment Tool

### Internal Assessment

#### Presentation

#### Viva-voce

#### Report

**Presentation:** The content, quality of the presentation and communication skill is assessed by the evaluation committee.

**Viva-voce:** At the end of the presentation, the assessment panel and the student audience ask questions and seek clarifications on specific issues related to the seminar. The effectiveness of the student's response to these queries is assessed.

**Report:** A bona fide report on seminar is submitted at the end of the semester. This report shall include, in addition to the presentation materials, all relevant supplementary materials along with detailed answers to all the questions asked/clarifications sought during presentation. All references must be given toward the end of the report. A students' ability to comprehend and write effective reports and design documentation is assessed by evaluating the report.

#### Comprehensive Viva:

There shall be a Comprehensive Viva-Voce in IV year II semester. The Comprehensive Viva-Voce will be conducted by a Committee consisting of Head of the Department and two Senior Faculty members of the Department. The Comprehensive Viva-Voce is intended to assess the student's understanding of the subjects he studied during the B. Tech. course of study. This is also to see the articulation of what is being learnt by them. The idea is to see that students are able to digest what is being taught in two full year and see their relevance not only in the practical field but also their inter relationship. The Comprehensive Viva-Voce is evaluated for 100 marks by the Committee. There are no internal marks for the Comprehensive Viva-Voce.

#### Major Project:

Major Project is intended to be a challenge to the intellectual and innovative abilities of students. It gives students the opportunity to synthesize and apply the knowledge and analytical skills learned in the different disciplines.

Out of a total of 200 marks for the project work, 50 marks shall be allotted for Internal Evaluation and 150 marks for the End Semester Examination (Viva Voce). The End Semester Examination of the project work shall be conducted by the same committee as appointed for the industry-oriented mini-project. In addition, the

project supervisor shall also be included in the committee. The topics for industry oriented mini project, seminar and project work shall be different from one another. The evaluation of project work shall be made at the end of the IV year. The Internal Evaluation shall be on the basis of two seminars given by each student on the topic of her project. Project will enable student to think innovatively on the development of components, products, processes or technologies in the field of Electronics and Communication. Students are expected to

- Perform an in depth study of the topic assigned in light of the preliminary report prepared in the seventh semester.
- Review and finalize the approach to the problem.
- Prepare a detailed action plan for conducting the investigation, including team work.
- Perform detailed analysis/ modeling/ simulation/ design/ problem solving/ experiment as needed.
- Develop a final product/ process, perform testing, arrive at results & conclusions and suggest future directions.
- Prepare a paper for Conference presentation/ publication, if possible.
- Prepare a report in the standard format for being evaluated by the Internal project Review Committee.

Assessment tools used to evaluate project work are:

Assessment Tool

Evaluator

Internal Assessment

Seminar on project

Internal project Review Committee

External Assessment

Final Report

University

Presentation and Viva - Voce

University

Process for assessing the quality of Projects:

The Internal project Review Committee and the project guide together will analyze the nature of the project and make sure that the work is environment friendly, ensures safety, ethics and cost effective. The projects are classified into different streams and their relevance to PO's and PSO's are identified to ensure its quality.

(iv) Attainment Levels:

Course outcomes of all courses are assessed with the help of above mentioned assessment tools and attainment level is evaluated based on set attainment rubrics as per table. If the average attainment of a particular course for two consecutive years is greater than 80% of the maximum attainment value (i.e. 80% of 3 = 2.4), then for that particular course the current rubrics for attainment must be changed to analyze continuous improvement.

Table. Attainment Levels of COs

Assessment Methods



## Attainment Levels

### Internal Assessment

#### Level 1

60% of students scoring more than 40% marks in internal assessment tools

#### Level 2

70% of students scoring more than 40% marks in internal assessment tools

#### Level 3

75% of students scoring more than 40% marks in internal assessment tools

### University Assessment

#### Level 1

60% of students scoring more than 40% marks in university examination.

#### Level 2

70% of students scoring more than 40% marks in university examination.

#### Level 3

75% of students scoring more than 40% marks in university examination.

Validation of CO-PO mapping

Course Outcome

Course Outcome mapping with Programme Outcome

Setting the CO-PO mapping with Weight-age

Setting CO Measurement through Assessment

Assessment

CO Attainment Table

PO Attainment table

Figure 9.1: The process of CO-PO mapping validation

The process of CO-PO mapping validation is given in figure 9.1 and is explained as below:

Step 1 : Obtain course outcome.

Step 2 : Mapping of course outcome with program outcome.

Step 3 : Setting weightage for CO assessment. Step 4 : CO measurement through assessment.

Step 5 : Obtain CO attainment table through direct and indirect assessment methods.

Step 6 : Obtain PO attainment table through direct and indirect

assessment methods.

#### Assessment and Attainment methods

Assessment is one or more processes which is carried out by the institution, that identify, collect and prepare data to evaluate the achievement of course outcomes and program outcomes.

Attainment is the action or fact of achieving a standard result towards accomplishment of desired goals. Primarily attainment is the standard of academic attainment as observed by test and/or examination result. Assessment methods are categorized into two as direct method and indirect method to assess CO's and PO's. The direct methods display the student's knowledge and skills from their performance in the continuous internal assessment tests, semester examinations and supporting activities such as seminars, assignments, case study, group discussion, online quiz, mini project etc., These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning. The indirect method done through surveys and interviews, it asks the stakeholders to reflect their views on student's learning. The institute assesses opinions or thoughts about graduate's knowledge or skills by different stakeholders.

CO assessment methods are employed

- Direct assessment method and indirect assessment method are considered for 80% and 20% weightages respectively.
- Internal test assessment and end semester examination assessment are considered with the weightage of 20% and 80% respectively for the direct assessment of CO.

#### Procedure for Attainment of Program Outcomes

At the end of the each programme, the PO/PSO assessment is done from the CO attainment of all curriculum components. As per NBA

guidelines, program can appropriately define the attainment level. The attainment level may be set by the particular program or commonly by the institution. The attainment can be made as best the choice by the institution or the program by analyzing the students knowledge. This can be achieved by using different supporting activities. This attainment is mainly for the purpose of making an esteemed engineer with good analytical, practical and theoretical knowledge about the program by attaining the PEO's and PSO's of the program and the institution. For the evaluation and assessment of CO's and PO's, rubrics are used. The rubrics considered here are given below:

Attainment Level 1: 60% of students score more than 40% marks out of the maximum relevant marks. Attainment Level 2: 70% of students score more than 40% marks out of the maximum relevant marks. Attainment Level 3: 75% of students score more than 40% marks out of the maximum relevant marks.

#### Assessment

#### Methods

#### Attainment Levels

#### Internal Assessment

#### Level 1

60% of students scoring more than 40% marks in internal assessment tools

#### Level 2

70% of students scoring more than 40% marks in internal assessment tools

#### Level 3

75% of students scoring more than

**40% marks in internal assessment tools****Assessment****Methods****Attainment Levels****University (External) Assessment****Level 1**

60% of students scoring more than 40% marks in internal assessment tools

**Level 2**

70% of students scoring more than 40% marks in internal assessment tools

**Level 3**

75% of students scoring more than 40% marks in internal assessment tools

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.3.1-2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.3.1-2-Upload-any-additional-information.pdf</a>

**2.6.3 - Pass Percentage of students**

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

940

File Description	Documents
Upload list of Programmes and number of students appear for and passed in the final year examinations	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for the annual report	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.3.1-2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/2.6.3.1-2-Upload-any-additional-information.pdf</a>

**2.7 - Student Satisfaction Survey**

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

<https://sriindu.ac.in/igac/>

**RESEARCH, INNOVATIONS AND EXTENSION****3.1 - Promotion of Research and Facilities**

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

The institute provides all necessary infrastructural facilities and a conducive environment to promote research activity in the campus in all the departments. Faculty are encouraged to apply for various funding agencies and pursue their research. However, the institute is ready to provide seed funding or partial funding based on the merit of proposals submitted by faculty or student. The faculty and students are encouraged to present their ideas / project proposals before the research committee for getting the sanction of seed funding in accordance with institute guidelines. The faculty and students are given freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies and industries. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents. The institute takes care of patent filing process, which is governed by the Research policy of the institute. The institute gives a free hand

to report research results and findings. However, a thorough review is done for all research proposals seeking funding from various funding agencies by consulting the research committee comprising the R& D Coordinator, Head of respective department and subject expert(s) of the department. This committee also monitors the impact of research and consultancy and ensures non-violation of research & consultancy ethics, professional ethics, privacy of the people, human rights, causing problems to health & safety of human beings and damage of the property. Research Centers are established in various departments of the institute with necessary software and computing facilities for carrying out research activities. One Research Center is under pipeline for the recognition under JNTUH.

#### OBJECTIVES

- To boost up the research ability of the institute by encouraging the staff members to publish their research paper in reputed conferences and referred journals.
- To nurture research skills among the faculty and students.
- To be in touch with the industrial needs that results in new or improved products, processes, systems or services that can increase the company's productivity and also for benefit for the common people.
- To nurture creativity towards research among students and faculty.
- Find the budgetary obligations and assets for funding the research.

#### BENEFITS

- To achieve excellence in R&D, Technology Innovation and Business start-ups.
- To promote interdisciplinary culture, ethical conduct of research and compliance among students and teaching community.
- To create foster knowledge and technology transfer by engaging with government agencies, research institutions and industries.
- To produce exceptional scientific results, manage projects and grants, thus enabling an environment by addressing global challenges and encouraging economic progress in the region for the society.

File Description	Documents
Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View File</a>
Provide URL of policy document on promotion of research uploaded on the website	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/Policy-Document-on-Promotion-of-Research.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/Policy-Document-on-Promotion-of-Research.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.1.2 - The institution provides seed money to its teachers for research

#### 3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

18.27

File Description	Documents
Minutes of the relevant bodies of the institution regarding seed money	<a href="#">View File</a>
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized	<a href="#">View File</a>
List of teachers receiving grant and details of grant received	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

6

File Description	Documents
e-copies of the award letters of the teachers	<a href="#">View File</a>
List of teachers and details of their international fellowship(s)	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>



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

18.27

File Description	Documents
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations	<a href="#">View File</a>
List of projects and grant details	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

6

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://assessmentonline.naac.gov.in/storage/app/public/aqar/15884/15884_233_534.pdf">https://assessmentonline.naac.gov.in/storage/app/public/aqar/15884/15884_233_534.pdf</a>
List of research projects during the year	<a href="#">View File</a>

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

7

File Description	Documents
Upload copies of the letter of the university recognizing teachers as research guides	<a href="#">View File</a>
Institutional data in Prescribed format	<a href="#">View File</a>

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

2

File Description	Documents
Supporting document from Funding Agencies	<a href="#">View File</a>
Paste link to funding agencies' website	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/Policy-Document-on-Promotion-of-Research.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/Policy-Document-on-Promotion-of-Research.pdf</a>
Any additional information	<a href="#">View File</a>

### 3.3 - Innovation Ecosystem

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

The Institution provides a conducive environment for promotion of Innovation and Incubation. All required facilities are provided and Guidance is extended to the students. Students are encouraged to actively involve in the application of Technology for societal needs. Necessary support is provided for Documentation, Publication of Research Papers and also for obtaining patents. Awareness meets, workshops, seminars and guest lectures on Entrepreneurship are organized. Students are provided opportunities to directly interact with outstanding entrepreneurs excelling in their field. Product service Training is provided for creating awareness on marketing the products. To produce successful entrepreneurs imbued with leadership qualities using innovative and ethical business practices to make global impact.

The 'Start-up India' program is intended to build a robust ecosystem for nurturing innovation and start-ups which will in turn drive sustainable economic growth and generate large scale employment opportunities in India.

Start-up & Innovation are an entity that develops a business model based on either product innovation or service innovation and makes it scalable, replicable and self-reliant. Innovations have a strong linkage to the world of start-up. Solutions to unsolved problems form the basis for thinkers to innovate. Start-Up & Innovation are the facility established to nurture young (start-up) firms during their initial period. It usually provides affordable space, shared offices and technical services, hand-on management training, marketing support and access to some form of financing.

Sri Indu College of Engineering and Technology (SICET) formed "Start-up & Innovation Cell" with an aim to create an integrated, college and university-based innovation ecosystem to support innovations and ideas of faculty members and young students and provide a conducive place and environment for optimum output of their thoughts and creative ideas.

The Entrepreneurial vision, defined by discovery and risk-taking, is an indispensable part of a nation's capacity to succeed in an ever-changing and fiercely competitive global marketplace. A Start-up & Innovation Cell has been established at our institute to support this vital need of the present times.

The Start-up & Innovation Cell aims to provide a platform for the convenient merger of innovative and entrepreneurial efforts. The idea is to foster and facilitate innovation and entrepreneurship among the faculty and students through mentoring, training and financing. The thrust is on innovation and incubation so as to transform a seemingly simple and novel idea into a marketable product and thus help an innovator of today to become an entrepreneur of tomorrow.

The stakeholders include students and faculty members of SICET, mentors from professional bodies, and entrepreneurs from the local community. The philosophy of the centre is that every idea, howsoever insignificant it might appear, deserves to be considered and examined for the promise it holds.

#### Functions

- To organize Entrepreneurship Awareness activities, Entrepreneurship Development Programmes and Faculty Development Programmes in the region for the benefit of S&T persons.
- To develop and introduce curriculum on Entrepreneurship Development at various levels including degree/diploma courses of the parent institution and other institutes in the region.
- To conduct research work and survey for identifying entrepreneurial opportunities.
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies
- To arrange visits to industries for prospective entrepreneurs

- To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects.
- To act as a Regional Information Centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant databases.
- To provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for Entrepreneurs besides expertise in Intellectual Property rights, Patents search, etc.
- To render advice to sick enterprises and assist the entrepreneurs in rehabilitating them.
- To conduct skill development training programmes leading to self-employments and start-up.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/3.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/3.3.1-Upload-any-additional-information.pdf</a>

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

File Description	Documents
Report of the events	<a href="#">View File</a>
List of workshops/seminars conducted during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.4 - Research Publications and Awards

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

**A. All of the above**

File Description	Documents
Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees, software used for plagiarism check	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

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

2

File Description	Documents
URL to the research page on HEI website	<a href="https://sriindu.ac.in/r-d-cell/">https://sriindu.ac.in/r-d-cell/</a>
List of PhD scholars and details like name of the guide, title of thesis, and year of registration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

185

File Description	Documents
List of research papers by title, author, department, and year of publication	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

11

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/r-d-cell/">https://sriindu.ac.in/r-d-cell/</a>

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

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

47

File Description	Documents
Any additional information	<a href="#">View File</a>
Bibliometrics of the publications during the year	<a href="#">View File</a>

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

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

58

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.5 - Consultancy

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

5.15

File Description	Documents
Audited statements of accounts indicating the revenue generated through consultancy and corporate training	<a href="#">View File</a>
List of consultants and revenue generated by them	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

85000

File Description	Documents
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for undertaking consultancy	<a href="#">View File</a>
List of training programmes, teachers and staff trained for undertaking consultancy	<a href="#">View File</a>
List of facilities and staff available for undertaking consultancy	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 3.6 - Extension Activities

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

Extension Activities aims at enabling our student/volunteers to develop social responsibility and learning by doing. Service attitude is essential for any professional to flourish in his/her job. Our extension activities has multiple dimensions such as National Service Scheme, Red Ribbon Club, Electrol Literacy Club, Road Safety Club, Unnat Bharat Abiyan, Swachh Bharath Abiyanetc. The professional as well as life skill development of engineering graduates is balanced through extension activities. Students go the adopted villages to involve themselves in the field work thereby knowing the real conditions of the villagers.

**Organised Women's Empowerment Programme.****Objectives of NSS**

- Understand the community in which they work
- Understand themselves in relation to their community
- Identify the needs and problems of the community and involve them in problem-solving
- Develop among themselves a sense of social and civic responsibility
- Utilize their knowledge in finding practical solutions to individual and community problems
- Develop competence required for group-living and sharing of responsibilities
- Gain skills in mobilizing community participation
- Acquire leadership qualities and democratic attitudes
- Develop capacity to meet emergencies and natural disasters and
- Practice national integration and social harmony

**Main Activities - Thrust Areas**

- Environment protection
- Blood donation
- Disaster preparedness
- Tree plantation
- Personal health & hygiene
- Mental wellbeing
- National integration & harmony
- Energy saving & promote renewable energy
- Life skills development

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/3.6.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/3.6.1-Upload-any-additional-information.pdf</a>

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

6



File Description	Documents
Number of awards for extension activities in during the year	<a href="#">View File</a>
e-copy of the award letters	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

9

File Description	Documents
Reports of the events organized	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

1055

File Description	Documents
Reports of the events	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

**3.7 - Collaboration**

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

1938

File Description	Documents
Copies of documents highlighting collaboration	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

17

File Description	Documents
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View File</a>
Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## INFRASTRUCTURE AND LEARNING RESOURCES

### 4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, computing equipments, etc.

Total Built-up Area in the institution is 34800 Sq.m. The institute has the excellent infrastructure facilities. Adequate facilities for teaching learning process are available. Laboratories are well established with sophisticated equipment. English language communication skills laboratory and e-learning centers for attending remote courses are available. Central library is with national and international journal subscription and large number of book volumes. Fully furnished seven number seminar halls and one open air theatre with good public addressing system, Wi-Fi and different seating capacities for conducting seminars/workshops/FDP and guest lectures are available. The institution has research centers to cater the needs of research scholars. There are 1190 number of computers available in the institution for the benefit of students and staff. All faculty rooms, administrative offices and department offices are provided with computer systems. Free wifi facility is provided in the campus. All the class rooms and seminar halls are provided with LCDs, Wi-Fi as ICT facility. Generator facility is available for uninterrupted power supply. There are 89class rooms, 78laboratories and 04 drawing halls in the institution.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.1.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.1.1-Upload-any-additional-information.pdf</a>

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

#### Cultural:

College has provided a number of facilities for supporting extracurricular activities related to culture, creativity, arts and recreation.

Two auditoriums (MAIN auditorium with 810m<sup>2</sup> and MINI auditorium with 645 m<sup>2</sup>) with a seating capacity of 1000 and 500 respectively was established for conducting Literary and cultural events. College will encourage students to participate in various college level, state level and national level competitions by providing financial support. On an average Rs.20,00,000/- per year was spent on arrangements. College has established cultural committee (CC) headed by Dean of Student Affairs comprises of a committee including staff and student members. The student members are formed in to a group. The cultural committee (CC) is having different clubs. The committee actively organize different events under different clubs throughout the year. Apart from various cultural events the CC organizes Student-Parent meet, Orientation day celebrations, National level technical, cultural and sports fest and Annual day celebrations every year. YOGA classes were arranged every day at Main Auditorium for the students by yoga teacher.

#### Sports and Games:

#### Sports and Games:

The Physical Education Department of SICET College of engineering has been established in 2002. It took the responsibility not only to provide the necessary infrastructure that helps the students to inculcate good habit of playing games but also to develop the sportsmanship

1. The college had earmarked five acres of land for Outdoor games namely: Cricket, Volley Ball, Basket Ball, Ball Badminton, Throw Ball andTennycoit
2. The college is provided with Indoor games also in an area of nearly 620 Sq.m, which is furnished with Gymnasium and accommodating the indoor games like Table Tennis, Caroms, Chess etc., to horn the skills in the respective games as well as to enhance the physical fitness of the students and faculty.
3. The institution provides indoor game facilities for Table Tennis, Shuttle, and Badminton. Full Time qualified trainers, trains students in caroms, chess, table tennis and students participate in National tournaments.
4. From the inception of the college, the Department is proudly associated in helping to conduct the JNTUHInter Collegiate Tournaments.

File Description	Documents
Geotagged pictures	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.1.2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.1.2-Upload-any-additional-information.pdf</a>

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

102

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View File</a>

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

1289

File Description	Documents
Upload audited utilization statements	<a href="#">View File</a>
Details of Expenditure, excluding salary, during the years	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

## 4.2 - Library as a Learning Resource

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

#### Integrated Library Management System (ILMS)

NewGenLib version 3.0.4 (Release2) is a fully web based Integrated Library Management Software that runs on distributed computers through a network or server is used for acquisition, cataloguing, circulation, procurement of books, serial control modules and Online Public Access Catalog (OPAC). All the library documents are bar-coded and books are issued to users by reading the barcode of the document. It can also run on local area networks without access to the Internet.

NewGenLib is entirely Java based, platform neutral, and uses the following related software technologies in its presentation, web server and database layers. Interface makes it possible that part of the processing works can be done by the client, thus reducing load and memory usage for sessions on the server, and unnecessary network usage.

NewGenLib's adherence to proven MARC standards for the description of serials, and the use of Captions and Patterns for expecting receipts of serial issues, so vital in serials management automation, is quite elaborate, yet quite intuitive for serial managers.

The Library offers computerized Catalogue Search Services for user community through the On-line Public Access Catalogue (OPAC) (<http://192.168.25.117:8080/newgenlibctx/>) which allows access from this service. Search book by author and title, check user's Circulation history (Issues and Returns), Know user's personnel details, library access details and latest arrival of bibliographic details of the books available in the Central Library.

Functional modules:

S. No.

NewGenLib Description

1

Technical Processing (Cataloging )

2

Circulation (Books Issue,Returns) & Renewals

3

Web OPAC

4

Student and Staff Members Entries

5

Dues Collection

6

Students Bar code print

7

View the reports of users

8

Barcode Lables Print

Central Library: GATE Visitor In and Visitor Out

Barcode system facility is available instead of the manual gate register which is made mandatory for check-in and check-out of library users. This application is very easy to analyze the statistics of visitors to the library at entrance counter.

Key features of NGL Counter

1. Single window screen available for Visitor-In and Visitor-Out
2. Simple, User friendly and no training required to use it
3. Rapid Visitor in and Visitor out functions to handle large numbers during peak visitor timings
4. Available facility, to record personal belongings and non library materials at the time of Visitor in.
5. NGL Desktop: New report is now added that gives statistical report of Visitors to the library

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.2.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.2.1-Upload-any-additional-information.pdf</a>

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

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

File Description	Documents
Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

**1208450**

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)	<a href="#">View File</a>

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

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

868

File Description	Documents
Upload details of library usage by teachers and students	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 4.3 - IT Infrastructure

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

##### Revised institution IT Policies & Guidelines

Availability and usage of cutting-edge information Technology (IT) resources and infrastructure of an organization make its product and process qualitative as well as effective. High end IT infrastructures have become most significant resources in technical educational institutions. Realizing the importance of these, SICET took initiative way back in 2001 and established basic network infrastructure in the campus. Over the last 20 years, the active users of the IT amenities as well as the web-based application have amplified many folds.

As of now, the institution has about 1250 network connections spreading over 5 buildings in the campus and expected to reach 1600 connections in near future. There is a well established internet and intranet facilities in the campus. The whole academic campus is now Wi-Fi enabled. The total band width available at SICET is 600 Mbps.

Strong IT management policy and security measures are the necessary and effective steps to align with the Institute



academic objectives and desires. Hence, SICET is proposing to have its own IT Policy that works as guiding principle for using the institute's computing facilities including computer hardware, software, email, information resources, intranet and Internet access facilities, collectively called "Information Technology ". The need of such IT policy is as follows.

- To establish, expand, maintain, secure, and ensure legal and appropriate use of Information technology infrastructure on the campus.
- Strategies and responsibilities for protecting the Availability, Confidentiality, and Integrity of the information possessions that are accessed, created, managed, and/or Controlled by the Institute.

This policy document makes an attempt to put forward some IT policies and course of action that would be relevant in the context of this Institute. Every effort has been made to have a cautious steadiness between security and the ability to conduct the rightful functions by the stake holders. Due to the dynamism in the Information Technology nature, information security in general and therefore policies that govern information security process are also dynamic in nature. They need to be reviewed on a regular basis and modified to reflect changing technology, changing requirements of the IT user community, and operating procedures. The IT policy creates and provides guidelines to help the Institute, departments and individuals who are part of SICET to understand how the policy applies to some of the significant areas and to bring conformance with stated policies. The IT policy lays down direction and provides information about acceptable and prohibited actions or policy violations.

SICET IT policy is applicable to technology administered by:

- The Institute centrally
- The individual departments
- To information services provided by the administration, or by the individual departments
- Individuals of the organization community
- Authorized resident or non-resident visitors on their own hardware connected to the institute network

SICET IT policy is also applicable to the resources administered by:

- The central administrative departments such as Library,

Computer Centers, Laboratories, Offices of the Institute.

- Recognized Associations/Unions/Clubs, hostels and guest houses, or residences wherever the network facility was provided by the Institute..

The major IT infrastructures on which the stated policy applicable are:

- Computing facility
- Network Devices wired/ wireless
- Internet Access
- Official Websites and web applications
- Official Email services
- Data Storage and Access

The Institution adhere to the new dynamics of the market and scales out hardware equipment and always encourages advanced technologies and offers high performance computational facilities to the students and faculty. The institution has always collaborated with esteemed research organizations & industry. It will maintain FTP servers to share and secure the data in R&D & administrative activities. The organization is focusing on IT quality of service maintaining latency of the network connections.

1. The institution internet bandwidth needs to be upgraded to utilize the social networking, enhance the official website and web applications and internal usage for developing the lecture material, video lectures.
2. The institution always procures the high-end performance systems and servers to adhere new dynamics of the market, promoting the faculty and students towards research and development in various fields of technology as and when required.
3. The institution should upgrade to the updated firewall policy & guidelines to control & monitor the network traffic, internet utilization, control over the downloading malware software and control on the content of offensive or in appropriate websites.
4. The organization will consistently offer significance to verifying the system and information and routinely update and renewal of Anti-Virus software.

It may be noted that, all the teaching and non-teaching staff, students, all departments, committees and clubs, authorized visitors or visiting faculty and others who may be granted

permission to use the institute's IT infrastructure, must comply with the guidelines. Violations of IT policy laid down by the institute by any stake holder may even result in disciplinary action against the offender by the authorities. If the matter involves illegal action, law enforcement agencies may become involved.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.3.1-Upload-any-additional-information.pdf</a>

#### 4.3.2 - Student - Computer ratio

Number of Students	Number of Computers
3862	1173

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

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

A. 50 Mbps

File Description	Documents
Details of bandwidth available in the Institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

A. All four of the above

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/aqar-2020-21/criteria-4/">https://sriindu.ac.in/aqar-2020-21/criteria-4/</a>
List of facilities for e-content development (Data Template)	<a href="#">View File</a>

#### 4.4 - Maintenance of Campus Infrastructure

##### 4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, during the year (INR in lakhs)

128911054

File Description	Documents
Audited statements of accounts	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

The Institution has appointed staff for maintaining facilities such as Buildings, Transport, Electrical, Housekeeping, Garden etc. Regular cleaning of College floors, classrooms, laboratories, equipment, and rest rooms are being done by the housekeeping team under the supervision of a floor in-charge. Stock verification and up-keeping of the equipment in all labs and other facilities is done at the end of every year by Lab In-charge and the report is submitted to the Principal through the concerned department of HOD's for further action.

##### MECHANICAL MAINTENANCE

The standard procedure followed for service and maintenance of equipment/machinery as follows

- If the equipment/machinery is to be serviced during the warranty period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in-house or in the supplier premises based on the nature of defect.

- After warrantee period if the equipment/machinery demands service, the technical staff attached to the respective laboratories service the equipment/machinery to the extent possible.
- If not, identify the persons outside the organization who repair the equipment, if necessary contact the supplier of the equipment.
- If no items are required to purchase for repairing the equipment, the equipment is repaired immediately.
- If items are required then send a proposal to the purchase incharge through proper channel (concerned HOD).
- After the items are purchased the equipment will be repaired by the person.
- The remuneration bill (cost of Maintenance) will be sent to the accounts department through proper channel.

#### Maintenance of power house:

Department of electrical engineering deals with power supply and maintenance. Following SOP is followed for uninterrupted power supply in college premises.

- Checking diesel in storage tank daily and Replenishing stock of diesel.
- Checking distilled water level in radiator daily, and if any shortage is found, it is refilled.
- Checking lubricant oil and specific gravity of distilled water of batteries daily.
- Cleaning the Radiator fan belt, generators daily.
- Maintaining load balance in three phases of generators, painting plinths and machines for every one year.
- Registering the number of working hours of each generator.
- Checking earth resistance and watering the earth pits weekly.

#### Laboratory maintenance:

Regular Upkeep and maintenance of equipment as well as repair of equipment is important for proper functioning of any engineering laboratory. As soon as the complaint is received with details, (including Guarantee Period etc.) following procedure is followed.

If the equipment/machinery is to be serviced during the warrantee period, the supplier of the equipment/machinery will be intimated about the repair and it will be serviced either in- house or in

the supplier premises based on the nature of defect. After warranty period if the equipment/machinery demands service, the technical staff attached to the respective laboratories service the equipment/machinery to the extent possible. If repair cannot be done by technicians of institution, then it is repaired by the persons outside the organization. If no items are required to purchase for repairing the equipment, the equipment is repaired immediately. If items are required then a proposal is sent to the purchase incharge through proper channel (concerned HOD). After the items are purchased the equipment will be repaired by the respective person. The remuneration bill (cost of Maintenance) will be sent to the accounts department through proper channel.

#### Civil Maintenance

Maintenance of civil works is needed for getting uninterrupted services which facilitate smooth and efficient functioning of the institution. The maintenance of civil works include

- Maintaining cleanliness and sanitation in the campus.
- Repair of frequently damaging components like window glasses, plumbing components, sanitary ware, floor tiles, doors, classrooms, benches, boards, furniture, faculty rooms etc
- Internal roads maintenance.
- Water supply and over head/underground water tank maintenance.

#### Course of action:

- A request comprising the problem, through HOD and the Principal, has to be received.
- As per the stock availability the problem is attended and resolved
- If any material is required to purchase, to get the approval from the principal for purchase of the same.
- If the cost of the requirement exceeds Rs.10,000/-, approval must be obtained from the management.
- If the work involves more financial support, quotations are invited from the vendors.
- Preparation of the comparative statement and placing purchase order.
- On receiving material, resolving the problem.

PROCUREMENT AND STOCKING OF BOOKS:

- The order list shall be prepared on the basis of suggestions of the faculty
- The list shall be forwarded to the principal for approval who makes any necessary changes, approves it and forwards the same to Library for procurement.
- The books are received by librarian from the supplier. An inspection activity will be carried out by librarian to check quantity, Title, Author, etc, as per the invoice.
- The books received by the librarian are entered in the Accession Register (AR).
- After the completion of Accession, due date slip, numbering shall be pasted on internal Title Page of the Book.
- One copy of each title is kept in REFERENCE SECTION duly stamped as REFERENCE copy.

Repairs and maintenance of Computer / Network (LAN) / Projector / UPS / WiFi:

- Service / repair request is placed through SICET Campus Academic Management System, Software developed in house.
- The request will be processed by Incharge.
- Appropriate personnel will be allotted to take up the service / repair work by the Incharge.
- Service request status can be checked through the same system.

Sports:

- The sports committee conducts timely meetings for the purpose of discussing about budget proposal, conduct of Inter collegiate tournaments for each academic year. The order is placed with prior approval of the purchase committee.
- The sports related materials are issued to the students by maintaining an issue/return register which reflects the utility and demand of the items along with the students interests. Subsequently it facilitates the proposals to be made for the next academic years. Students who are selected for the college teams of various events are provided with uniform to participate in the same. Equipment related to various physical activities and sports are updated on a regular basis. The up keeping of the sports items in an efficient way is done through regular monitoring using required work force. This includes all the sports

facilities like Gym, Cricket ground, Tennis, Volleyball, Basketball courts etc.,

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/4.4.2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/4.4.2-Upload-any-additional-information.pdf</a>

## STUDENT SUPPORT AND PROGRESSION

### 5.1 - Student Support

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

2275

File Description	Documents
Upload self-attested letters with the list of students receiving scholarships	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

120

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Institutional data in prescribed format	<a href="#">View File</a>

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

**A. All of the above**



File Description	Documents
Link to Institutional website	<a href="https://sriindu.ac.in/">https://sriindu.ac.in/</a>
Details of capability development and schemes	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

#### 5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered by the institution during the year

2856

File Description	Documents
Any additional information	<a href="#">View File</a>
Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)	<a href="#">View File</a>

**5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment and ragging: Implementation of guidelines of statutory/regulatory bodies Creating awareness and implementation of policies with zero tolerance Mechanism for submission of online/offline students' grievances Timely redressal of grievances through appropriate committees**

**A. All of the above**

File Description	Documents
Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee	<a href="#">View File</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

**5.2 - Student Progression****5.2.1 - Number of outgoing students who got placement during the year**

843

File Description	Documents
Self-attested list of students placed	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

122

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Details of students who went for higher education	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

163

File Description	Documents
Upload supporting data for students/alumni	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

19

File Description	Documents
e-copies of award letters and certificates	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

SICET has a student council formed with academically strong students as its body. It operates with a sense of responsibility in dealing with the student concerned activities. The Institute also encourages participation of student representatives in various decisions making, academic and administrative committees, this enable them in acquiring better academic environment. Student opinions and suggestions are considered to take measures in view of students' perception. Institute puts efforts for the all-round development of a student. They take part in various professional society chapters like IETE, ISTE, CSI, IAENG, SMAI, SAE, IE & ACM. Also student members are involved in several Institute and Department level committees with active participation. They are explained below.

Internal Quality Assurance Cell (IQAC): Student representatives are nominated for this cell, who participates in the decisions regarding the quality initiatives of the institute. (Web site)

Women's Grievance Committee: The girl students are part of the committee to address issues on women welfare.

Student Grievance Committee: The quality and hygiene of the canteen is monitored by student representatives along with the other nominated faculty members. They visit frequently and collect feedback from peers and also continuously monitor the quality and quantity of the food served.

National Innovation and Startup Policy (NISP): It consists of faculty Coordinators, students and other external stake holders for formulating and implementing the strategic B-plan and innovations. Based on the minutes of the NISP meeting, action is initiated to improve the overall skill development of the students and faculty to meet the needs of industry.

S-Hub: To provides an opportunity to participate in new role. This club provides a valuable experience and cultivates leadership qualities. To identify the innovators/inventors. To

promote the students skills to the level of industry requirement. To create the opportunity for startups and to motivate the students to become an entrepreneur. To prepare the students for industry readiness.

MOOCs Committee:

1. Conduct department wise MOOCs Awareness Programme for better utilization of the online courses.

2. Monitor and maintain the department wise Staff and Students statistics of Enrollments and Course Completions from SWAYAM -NPTEL and other MOOC Courses.

3. To review the Enrollments and Course Completion department wise

4. To encourage and support to the all the students for MOOC-I and MOOC-II and also Credit Transfer.

5. To formulate action plan for the increments of MOOCs enrollments and course completions

Cultural Committee: Students clubs like Literary club, Music club, Creative arts club, Dramatics club, Photography & short film shooting club and Classical dance club are involved in this committee.

Institution's Innovation Council: It consists of Principal, HODs, faculty members, students and other external stake holders for cultivating design thinking, innovation, start up, IPR, entrepreneurship and research & developmental activities. Based on the minutes of the IIC quarterly meeting, action is initiated to improve the overall skill development of the students and faculty to meet the needs of industry.

Class Committee (CC): It consists of HOD, faculty handling the particular section and student representatives in each class. They discuss the conduct of class work, delivery of lecture and overall discipline. Based on the minutes of the CC meeting, action is initiated to improve the academic performance of the class.

NSS is also encouraged in the institute enabling the student to participate in service activities like organizing blood donation, rural health & sanitation and environmental awareness camps in the neighboring areas as a social responsibility.

In addition to the above, the students are involved in organizing Technical fest, Cultural fest and National Level Sports fest. Student members of all professional societies and student clubs actively take part in hosting their respective events.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/5.3.2-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/5.3.2-Upload-any-additional-information.pdf</a>

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

11

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

### 5.4 - Alumni Engagement

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

The Institute has a registered Alumni Association for building strong bond between alumni and present students. The alumni give support to the students through interaction, financial funding, guidance and placement. The Alumni Association of the Institute is called as SICET ALUMNI ASSOCIATION i.e. Sri Indu College of Engineering & Technology Alumni Association. This was registered under the Telangana Societies Registration Act., 2001 with Society No. 1212 of 2021. The office headquarters of SICET ALUMNI ASSOCIATION is in the premises of Sri Indu College of Engineering & Technology, Sheriguda(V), Ibrahimpatnam(M), Ranga Reddy Dist - 501 510, Telangana, India. The mission of the Alumni Association is to foster a mutually beneficial relationship between the Institute and its alumni. Alumni meet is arranged on third Saturday of December of every year.

Objectives of the Alumni association:

- To encourage and promote close relations between the Institution and its alumni and among the alumni themselves.
- To promote and encourage friendly relations between all members of the alumni body, an interest in the affairs and well-being of the Institution.
- To provide and disseminate information regarding their Alma Matter, its graduates, Faculties and students, to the alumni.
- To initiate and develop programs for the benefit of the alumni.
- To assist and supporting the efforts of the Institution in obtaining funds for development.
- To serve as a forum through which alumni may support and advance the pursuit of academic excellence at the Institution.
- To guide and assist alumni who have recently completed their courses to obtain employment and engage in productive pursuits useful to society.
- To organize and co-ordinate reunion activities of the Alumni and let the Alumni acknowledge their gratitude to their Alma Matter.
- To collect, publish and distribute such information as may be useful to the alumni and their Alma Matter.

Activities and Contributions:

- Alumni have donated funds to assist the Poor & Merit students of the Institution.
- Alumni are included as members in the Board of studies of all departments. They are invited for meetings at the college and they interact with their teachers and express their suggestions on curriculum revision.
- Few Alumni gave Guest lecturers to the existing students on some contemporary technological developments and career guiding focuses.

Alumni meets are arranged in December 2019, 2020 and 2021.

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/5.4.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/5.4.1-Upload-any-additional-information.pdf</a>

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

D. 2 Lakhs - 5 Lakhs

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

### GOVERNANCE, LEADERSHIP AND MANAGEMENT

#### 6.1 - Institutional Vision and Leadership

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

##### About NEW LOYOLA Model Educational Society(NLMES)

The NEW LOYOLA Model Educational Society(NLMES) had taken its birth with the social objective of providing educational opportunities to the rural youth who had been migrating to the towns in pursuit of education. The concept gained momentum and NEW LOYOLA Model Educational Society(NLMES) was established and Registered on 23rd August, 1979 under Societies Act XXI of 1860 with the following objectives, incorporated in the memorandum of articles.

1. To establish, aid and maintain educational, cultural and other institutions to impart education, at all stages, for promotion of literature, arts and science and all other subjects for the diffusion of useful knowledge in Andhra Pradesh.
2. To raise necessary funds to maintain educational institutions under its management and administer them.
3. To grant aid to deserving students for promotion of studies.
4. To arrange 'extension lectures' in one or more branches of knowledge.
5. To print and publish journals or magazines with articles

contributing to the growth of knowledge, human understanding and culture.

6. To do all such other things as may be conducive to the development or incidental to attain the above objects.

The strength of the Society is that it is not a religious or charitable or social or a family trust. No individual had a controlling interest and the society did not bequeath large endowments that confer managing right or controlling interest on any group or individual. It is purely an educational society to which numerous people, organizations and individuals have donated, only to contribute to the cause of education than for a personal gain or aggrandizement.

The enthusiasm, spirit of service and the pursuit of objectives have been sustained for the last forty years by a succession of members. Power struggles to get hold of the society, crises of management, interference in the administration and dominance of individuals in the society's affairs were totally absent in its history. General Body Meetings, Most of the Executive Members are unanimously elected. Everyone had the same mission, promoting education, not himself.

Quality of instruction through student-centered teaching, updating the teacher-capability and qualifications, exploiting the student talent, developing personality and citizenship in students are the guiding principles in running the institutions. Seminars, Workshops for teachers/students are regularly held to diffuse knowledge beyond the curriculum.

Financial assistance to the poor and needy students was liberally provided through scholarship endowments.

The educational scenario of the nation has been subjected to swift changes. It may not be an exaggeration to state that every passing day heralds a development, if not an upheaval. In every society, there have been attempts to organize the body of existing knowledge, to perceive the natural and also scientific phenomena not merely with awe and reverence but with inductive and deductive logic, reasoning and experimentation so as to understand various occurrences in an enlightened manner. It is to be noted that technological advancement has always been innovative and explorative. Some men of such mettle who have assimilated the essence of educational philosophy established an educational empire



Sri Indu College of Engineering and Technology is sponsored by the New Loyola Model Education Society, Vanasthalipuram was established in the year 2001. The Society proudly announces that it has firm standing in the field of education for the past 41 Years. The College is located in a serene atmosphere abutting the Hyderabad Nagarjunasagar road, facing main road just 15 Kms from L.B. Nagar. There is a bus facility for every 5 minutes besides college buses.

New Loyola Model Education Society has established many institutions right from KG to PG in the areas of Engineering and non Engineering under the chairmanship of Sri R.Venkat Rao. The College has commitment to impart Quality Education in the field of Engineering. The College offers B.Tech, M.Tech., MBA & MCA courses.

Our Vision is to evolve into a center of excellence in Science and Technology through creative and innovative practices in teaching & learning, towards promotion of academic achievement & research excellence to produce globally accepted, competitive and world class professionals who are psychologically strong and emotionally balanced imbued with social consciousness and ethical values.

New Loyola Model Education Society had been formed in 1979 with a Vision for future to set up and promote such educational Institutions of excellence that would reorient general, technical and professional education with a holistic approach. Assimilating the advances made in various areas of activity and considering the educational needs of the region, many institutions dealing with various academic disciplines have been started.

Expert opinions say that "it is like a modern day Engineering and Technology Gurukul marching towards Global Technology."

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/management/">https://sriindu.ac.in/management/</a>

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

The institute practice decentralization and participative

management.

1. Innovative Practices adopted for more number of placements with better packages in addition to existing mechanism. Various innovative activities are taken up for improving number of placements with high packages in the academic year 2020-21:

- Advanced learner groups: With an aim of inculcating advanced coding, high in communication, improved analytical habits among top students, advanced learner groups are introduced and continuously given the challenges in all aspects of skills required to get into higher-end and blue-chip IT jobs.
- Competitive Coding Labs: Competitive Coding Labs have been introduced in the institute for developing compete skills in students, that helped the students to improvise problem solving skills, getting expertise in programming languages and as well expanding creativity in coding abilities.
- Students were motivated towards design thinking, innovative practices, prototyping of a model through workshops, seminars and guest lectures etc. The Innovation and Incubation Cell (IIC) introduced Innovation day on 15th October 2019 to display the student's innovative ideas in memory of Dr A.P.J Abdul Kalam. The innovative models developed and exhibited at various platforms helped the students in getting good placement.
- The faculty member from each department started assisting training and placement officer through identifying the core industries for the respective departments and succeeded in getting new core companies to the campus for placement drive.

2. COVID-19 Counter Initiatives Safety Security along with excellence in academics and RD became the top priority during the outbreak of COVID 19.

A team was constituted under the supervision of HoD, ECE Department to find the best solutions for completing the pending syllabus in the even semester of the academic year 2020-21 and conduction of internal examinations through online mode using MOODLE to handle the pandemic situation.

- The principal constituted a committee to look after the sanitization and covid-19 preventive actions in the campus effectively under the supervision of the administrative officer.

- The principal constituted a team under the supervision of HoD, ECE department to provide free access to COURSERA MOOCs platform for students and faculty to upgrade their skills during lockdown period succeeded in getting fruitful results.
- Explored on innovative online resources for teaching and learning.
- Facilitated Network, Wi-Fi, Connectivity with adequate Bandwidth to continue academic activities such as online teaching learning, Assessment and Evaluation with Online proctored examination for mid examinations, project reviews and virtual laboratories for Lab based Courses using Googlemeet, Zoom app, WebEx.
- Sanitization of physical infrastructure, classrooms, corridors, washrooms, office areas, distribution of masks, maintenance of hygiene.
- Capacity Building of student and Teachers with Online Education Resources such as coursera, webinars from professors of reputed Institutions
- Robust Mentor Mentee System for Student counseling on Internships and placement activities, Parents Interaction Forum
- Health Safety COVID specific advisories, posters, sign age and instructions are displayed at important places in the campus to bring out awareness and reinforce responsible behavior
- Screening and social distance protocol w.r.t temperature reading and sanitization is followed.

File Description	Documents
Upload strategic plan and deployment documents on the website	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/r-d-cell/">https://sriindu.ac.in/r-d-cell/</a>

## 6.2 - Strategy Development and Deployment

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

### STRATEGIC DEVELOPMENT PROCESS

INSTITUTION VISION To be a premier Institution in Engineering &

Technology and Management with competency, values and social consciousness.

INSTITUTION MISSION IM1 Provide high quality academic programs, training activities and research facilities. IM2 Promote Continuous Industry-Institute interaction for employability, Entrepreneurship, leadership and research aptitude among stakeholders. IM3 Contribute to the economical and technological development of the region, state and nation.

#### STRENGTH

S1 College is rated among top 4 colleges in the region

S2 Good Infrastructure

S3 Well Experienced Faculty

S4 The college has signed MoU with University of Bridgeport, USA for higher studies

S5 Good placement as priority action

S6 Pollution free learning environment - modern day Engineering and Technology GURUKUL

S7 Student discipline is good

S8 Supportive & Cooperative management

S9 Adequately equipped Laboratories - as per current syllabus

S10 NBA Accreditation for three programmes. For other UG and PG programmes application submission is in progress

S11 College has Jawahar Knowledge Centre\*(JKC) - Institute of Electronic Governance(IEG) which helps in placement

S12 Management is financially strong

S13 Good transport facility provided by the college and Govt. as it is located on national highway.

S14 Well-equipped Library

S15 Co-Curricular Activities (Cultural fests and Technical fests)

are organized. Participated by students from all over the country

S16 Employee incentives and salaries are given on time

S17 The college has a regular practice of appointing a faculty member as a Mentor for every Class

S18 Multi-Disciplinary Activities are taken up successfully as many Colleges are under one management

S19 Positive Environment & Freedom for Innovation

S20 Eminent Guest speakers from academia, Industry and Service sector are invited for interaction and exposure to best practices for the students and faculty

S21 Healthy Competition among different departments

S22 Good Result in the University. College continuously produces rank holders and high percentage graduates

S23 Consistently good performance in competitive examinations

S24 Good Understanding & Coordination among management/Staff & Faculty

S25 College has reward system for high performing students.

S26 System of faculty appraisal by students exists

S27 Close monitoring of student performance and system of communicating regularly with parents

**WEAKNESS:**

W1 Additional number of faculty with Ph.D. for research & consultancy not available

W2 Inadequate Faculty Development Programmes (FDPs) including Pedagogical training

W3 R&D and innovation culture is weak

W4 Use of modern Teaching Aids and learning resources are inadequate

W5 Internet facility in the campus needs expansion

W6 Less number of publications by faculty

W7 Needs enough attention to weak students

W8 Insignificant IRG generation and utilization

W9 Emerging areas should be included in the syllabus

W10 Labs should be augmented with latest equipment

W11 Industry Institute interaction needs to be concentrated

W12 No of user licenses for software popularly used is insufficient

W13 Training of students in soft skills inadequate

W14 Lack of employment oriented learning resources and simulation/design software (CAEs)

W15 Institutional automation needs to be introduced

W16 Support staff and technical non-teaching staff needs training

W17 Less entrepreneurship related activities

#### OPPORTUNITIES

O1 Tie up with foreign Universities will enhance the image of the College

O2 Additional Courses in PG, PhD and Medical could be started as per state industrial policy

O3 Being close to industries in Hyderabad, projects should be obtained

O4 Skilled based programmes for community should be offered

O5 Encash TEQIP III participation opportunity.

O6 Use industry for offering tailor made continuing education programmes

07 Obtain sponsored research and consultancy from industry and generate revenue

08 Training hub for industries (CEP)

#### CHALLENGES

C1 Mushrooming growth of engineering colleges in the city will increase competition in attracting good faculty and students.

C2 Foreign universities intrusion in the technical education sector

C3 Lack of continuous electricity supply

C4 Non availability of highly qualified faculty

C5 Economic recession

C6 Infrastructure development - creation of toll bridge might affect student admission

File Description	Documents
Strategic Plan and deployment documents on the website	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in">https://sriindu.ac.in</a>
Upload any additional information	<a href="#">View File</a>

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

#### Roles and Responsibilities of Principal:

- To promote the comprehensive development of the institution as the Head of the Institution.
- To recruit the Teaching and Non-teaching staff based on the requirements of the departments. 3. To review salary fixation norms as and when required; keeping in mind, the practices in the colleges around.
- To fix salaries, increments, etc., to Teaching and Non-Teaching staff.
- To depute teaching and technical staff for refresher courses, higher studies and arranging for suitable training

in the campus.

- To conduct HOD's meeting at regular intervals to know the state of affairs - both academic and non-academic.
- To Plan for campus placements through training and placement officer.
- To review results
- To instruct the Hostel Authorities about the rules to be followed while permitting the students to go outside, including their native places.
- To take enough precautions so that, the teaching staff cannot leave the services in the middle of the semester/year.
- To go round the class rooms to ensure that the class work is being conducted effectively.
- To go through the letters found, if any in the suggestion box and act on them, if required.
- To conduct Governing Body and Academic Council Meetings.
- To get the annual budget sanctioned for conducting various events in the campus, keeping in mind the number of events desirable per year as per NBA/NAAC guidelines.
- To decide the requirements of furniture, lab equipment, staff, additional space, etc., and enlightening the management about the requirement and getting the budget sanctioned.
- To conduct Fresher's day, College day, Republic day, Independence Day and other functions.
- To get the budget sanctioned for books and journals.
- Attesting the academic registers and dairies maintained by teaching staff.
- To instruct the teaching staff through a schedule to conduct annual stock verification of lab equipment's.
- To monitor the activities of the examination section (JNTU as well as Autonomous)
- To promote the brand building of the Institution by adopting new technologies.
  
- To promote the comprehensive development of the institution as the Head of the Institution.
- To recruit the Teaching and Non-teaching staff based on the requirements of the departments. 3. To review salary fixation norms as and when required; keeping in mind, the practices in the colleges around.
- To fix salaries, increments, etc., to Teaching and Non-Teaching staff.
- To depute teaching and technical staff for refresher courses, higher studies and arranging for suitable training



in the campus.

- To conduct HOD's meeting at regular intervals to know the state of affairs - both academic and non-academic.
- To Plan for campus placements through training and placement officer.
- To review results
- To instruct the Hostel Authorities about the rules to be followed while permitting the students to go outside, including their native places.
- To take enough precautions so that, the teaching staff cannot leave the services in the middle of the semester/year.
- To go round the class rooms to ensure that the class work is being conducted effectively.
- To go through the letters found, if any in the suggestion box and act on them, if required.
- To conduct Governing Body and Academic Council Meetings.
- To get the annual budget sanctioned for conducting various events in the campus, keeping in mind the number of events desirable per year as per NBA/NAAC guidelines.
- To decide the requirements of furniture, lab equipment, staff, additional space, etc., and enlightening the management about the requirement and getting the budget sanctioned.
- To conduct Fresher's day, College day, Republic day, Independence Day and other functions.
- To get the budget sanctioned for books and journals.
- Attesting the academic registers and dairies maintained by teaching staff.
- To instruct the teaching staff through a schedule to conduct annual stock verification of lab equipment's.
- To monitor the activities of the examination section (JNTU as well as Autonomous)
- To promote the brand building of the Institution by adopting new technologies.

**Objective:** To ensure mutual respect and freedom for everyone and be role models to student community.

**REPORTING FOR DUTIES ON TIME** 1. College working hours are, normally from 9.30 a.m. to 4 p.m. However, those who have academic, administrative, examination or any other such work shall follow the 9 a.m to 5.15 p.m or 10 a.m to 6.15 p.m timing or any other timing as directed by HOD/Principal/Chairman /Administrator. 2. A six day working schedule from Monday to Saturday is followed except second and fourth Saturdays. Classes

are scheduled from 9.30 am to 4.10 p.m. 3. All members of the staff shall be at their workplace (offices, classrooms, Labs, staff room etc.) at least 5 minutes before their reporting time. 4. Anyone coming late / leaving early for more than 60 minutes on 2 occasions in a month may be allowed by Hod/Principal/Chairman /Administrator. 5. Anyone needing to go out of the College premises during working hours (except lunch break) shall seek necessary permission from HOD/Principal/Chairman /Administrator and register his/her absence (i.e. OUT and IN timing Register kept at gate). 6. Staff members shall compulsorily wear College ID while in the College premises. 7. Staff members shall submit their investment details to the Account Section before 7th January each year in the prescribed form to enable them to deduct the tax at source, failing which Income Tax shall be deducted as per rules. 8. Faculty shall ensure that discipline is maintained in the classroom, labs and college premises. In case of serious matters of indiscipline, the same shall be reported to the HOD/Principal on standard Discipline Report 9. Staff members shall not use mobile phones during their instructional hours. However, they may use them in their cabins/rooms. 10. All members of staff are expected to present themselves in decent attire. Clothes like sleeveless tops, T-shirts etc. are not permitted. Earrings, pony tails/long hair, bangles etc. are not permitted for gents. 11. Faculty and staff shall communicate to each other and with students only in English.. 12. Staff members may arrange meeting of any kind with permission/request to HOD/Principal/Management only.

File Description	Documents
Paste link to Organogram on the institution webpage	<a href="https://sriindu.ac.in/aqar-2020-21/criteria-6/#">https://sriindu.ac.in/aqar-2020-21/criteria-6/#</a>
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/aqar-2020-21/criteria-6/">https://sriindu.ac.in/aqar-2020-21/criteria-6/</a>

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

A. All of the above

File Description	Documents
ERP (Enterprise Resource Planning) Documen	<a href="#">View File</a>
Screen shots of user interfaces	<a href="#">View File</a>
Details of implementation of e-governance in areas of operation	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

### 6.3 - Faculty Empowerment Strategies

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

#### Welfare schemes for TEACHING

- Maternity leaves/Medical Leaves as per the norms.
- Paid leave for curriculum course work who are perusing Ph.D.
- TA and DA provisions for faculty development programs.
- EPF and Group Insurance are provided.
- Fee concession for Faculty children.
- Two Bank ATMs (Andhra Bank, HDFC) are provided in the Campus

#### Welfare schemes for NON-TEACHING

- EPF and Group Insurance are provided.
- Fee concession for Non - Teaching children.
- Two Bank ATMs (Andhra Bank, HDFC) are provided in the Campus
- Subsidized Transportation

#### Welfare schemes for Students

- Management Scholarships.
- Gold Medals to Academic Toppers
- Incentives for Paper Publications/Presentations
- Financial support for attending external events

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/6.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/6.3.1-Upload-any-additional-information.pdf</a>

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

**114**

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)	<a href="#">View File</a>

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

**78**

File Description	Documents
Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

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

**3774**

File Description	Documents
Summary of the IQAC report	<a href="#">View File</a>
Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## 6.4 - Financial Management and Resource Mobilization

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

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

(AUTONOMOUS)

INTERNAL AUDIT CONSOLIDATED REPORT

To

The Finance Committee

SICET,

SHERGUDA, IBP - 501510

INTERNALAUDITREPORT

Period covered for Audit from 01-10-2020 to 31-03-2021

\*\*\*\*

Internal Audit was planned and per formed to obtain responsible assurance whether accounting process system, its processes and controls operate efficiently and effectively and to see that the information is free from material, misstatements .Internal Audit was carried to assure.

- To verify correctness of accounting procedures and its reporting
- To verify compliance of the policies of institution and its controls implemented
- To verify the compliance with various statutory provisions applicable

Audit has covered verification of system of accounting of those expenses and incomes and others mentioned above and to express opinion on weakness in internal control, risk management and governance high lighting any exceptions and cases of non-compliance and suggest or recommend improvements in the design and operations of control based on internal audit. The following observations have been made during the course of audit.

- Verified the receipts and payments vouchers and bills during the audit period
- Internal control with regards to system access is followed as per the policy and appears satisfactory
- All statutory payments are made well within the due dates and as per the prescribed norms
- Verified the cash balances with the Cash Book and found correct
- Bank Reconciliations are done and matched with the Books of Accounts

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/igac/">https://sriindu.ac.in/igac/</a>

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

1800000

File Description	Documents
Annual statements of accounts	<a href="#">View File</a>
Details of funds / grants received from non-government bodies, individuals, philanthropists during the year	<a href="#">View File</a>
Any additional information	<a href="#">View File</a>

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

SRI INDU COLLEGE OF ENGINEERING & TECHNOLOGY (Autonomous)

- Finance has never been a constraint neither in the past nor in the present.

- No developmental activity in the campus has ever been delayed for want of funds.
- The NEW LOYOLA MODEL Educational Society has been extending all the necessary financial support to the institution since its inception.
- Present financial position enables us to take up any developmental activity that is required.

The following documents are attached:-

1. Summary of annual utilization statements as per the Audited Financial Statements
2. Audited Financial Statements
3. Government G.O. for collection of Tuition Fee

Summary of annual utilization statements as per the Audited Financial Statements for AY 2020-21

2020-21

EXPENDITURE

Expenditure on Salaries

224284950

Expenditure on Academic Facilities

38790051

Expenditure on Physical Facilities

90121003

Total Recurring Expenditure(including salaries)

353196004

Expenditure on additions to Fixed Assets (Infrastructure)

24896300

**Grand Total:**

378092304

**INCOME:****Tuition Fee**

340755808

**All other income**

39172490

**Total**

379928298

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/audit-reports/">https://sriindu.ac.in/audit-reports/</a>

## 6.5 - Internal Quality Assurance System

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

The IQAC Committee includes all stakeholders of the Institute, i.e. students, alumni, all Department and Section Heads also including the Library, Sports, Students Hostel, Examination & Evaluation, co-curricular and extra-curricular activities,



members of the Management and Administration, and members of local community and industry experts.

### Objectives

The Primary aim of IQAC is

- To develop a system for conscious, consistent, and catalytic action to improve the academic and administrative performance of the institution.
- To create a good quality culture
- To channelize the efforts and measures of the institution towards academic excellence.

### Strategies

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks.
- Optimization and integration of modern methods of teaching and learning.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.
- The relevance and quality of academic and research programmes.
- The credibility of evaluation procedures.

### Functions

Some of the functions expected of the IQAC are

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution.
- Organization of workshops, seminars on quality-related themes and promotion of quality circles.
- Development of Quality Culture in the institution.
- Dissemination of information on the various quality parameters of higher education.
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes.
- Acting as a nodal agency of the institution for quality-related activities.
- Preparation of the Annual Quality Assurance Report (AQAR) to be submitted to NAAC based on the quality parameters.

**Benefits****IQAC will facilitate / contribute**

- Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement.
- Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices.
- To provide a sound basis for decision making to improve institutional functioning
- Act as a dynamic system for quality changes in HEIs
- To improve internal communication.

**Outcomes of IQAC Activities**

- To improve internal communication.
- Accreditation - NAAC, NBA
- National Ranking - NIRF
- International Ranking
- AICTE Approval for professional courses
- UGC Graded autonomy
- Media Rankings
- MHRD All India Survey for Higher Education
- Swachh Bharat Summer Internship Program
- Swachhta Ranking
- Feedback from stakeholders
- Curriculum for Applied Learning
- Promoting Technology Enhanced Learning - MOOC

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/iqac/">https://sriindu.ac.in/iqac/</a>

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

**PLACEMENT-CELL**

**Campus Placement Oriented Institution**

**Striving for 100% Placements**

This is the leading motto of the Training and Placement Facility of SICET. Equipped with trained and expert personnel the facility started functioning in the academic year 2001. The trainers have more than a decade of experience in understanding the training requirements of undergraduate students and designing program to help students attain career success. Started in response to an emergent need the T&P Facility aims to bridge the gap between the requirements of the corporate houses and the skill sets that the students acquire during college.

The team of Placements cell headed by Mr. R. Venkateswar strives hard and has a decade of extensive experience in placements at different MNC's.

EDC/ IEDC

#### Vision

To produce successful entrepreneurs imbued with leadership qualities using innovative and ethical business practices to make global impact.

#### Mission

To create and promote entrepreneurial culture among students by identifying, training and motivating students to become entrepreneurs.

#### Objectives

- To Organize Entrepreneurship Awareness Camps, Entrepreneurship Development Programmes
- To encourage better linkages between the Institution, Industries and R&D institutions in the region and other related organizations engaged in promoting Small & Medium Enterprises (SMEs) including NGOs and other Voluntary Organizations.
- To catalyze and promote development of S&T based Enterprises and promote employment opportunities.
- To create awareness on entrepreneurship among the students.
- To inculcate entrepreneurial spirit and culture among the Science and Engineering graduates and post graduates.
- To conduct programs in Entrepreneurship enabling skills.
- To conduct skill industrial development training programs with updated technologies.
- To provide need-based consultancy services to industries.

- To act as an institutional mechanism for providing various services including information to budding student entrepreneurs.
- To create Entrepreneurial culture in the Parent Institution and other institutions in the region and to promote the objectives of NSTEDB, including programmes related to women and weaker sections of the society.
- To create greater number of sustainable start-up business with potential for further growth.
- To guide and assist students on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies.

#### Functions

- To organize Entrepreneurship Awareness activities, Entrepreneurship Development Programmes and Faculty Development Programmes in the region for the benefit of S&T persons.

To develop and introduce curriculum on Entrepreneurship Development at various levels including degree/diploma courses of the parent institution and other institutes in the region.

- To conduct research work and survey for identifying entrepreneurial opportunities.
- To guide and assist prospective entrepreneurs on various aspects such as preparing project reports, obtaining project approvals, loans and facilities from agencies of support systems and information on various technologies
- To arrange visits to industries for prospective entrepreneurs
- To extend necessary guidance and escort services to the trainees in obtaining approval and execution of their projects.
- To act as a Regional Information Centre on business opportunities, processes, technologies, market, etc. by creating and maintaining relevant databases.
- To provide testing, calibration, quality assurance, design, tool room, pilot plant and other facilities for Entrepreneurs besides expertise in Intellectual Property rights, Patents search, etc.
- To render advice to sick enterprises and assist the entrepreneurs in rehabilitating them.
- To conduct skill development training programmes leading to

self-employments and start-up.

### Strategies

#### Long Term Goals

- Creating Students hub for establishing technology park
- Motivate students to develop their own start-ups
- Develop business incubators
- Create corpus fund to seed ventures

#### Short Term Goals

- To provide a platform for interaction with entrepreneurs
- Collaborating with T-Hub & J-Hub
- Impart entrepreneurial education/skills amongst students through various trainings and exercise
- Arrange vibrant interaction with organizations promoting the cause of entrepreneurship.

link for additional information:<https://sriindu.ac.in/edc-iedc/>

File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional information	<a href="https://sriindu.ac.in/training-placement-cell">https://sriindu.ac.in/training-placement-cell</a>

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

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

File Description	Documents
Paste the web link of annual reports of the Institution	<a href="https://sriindu.ac.in/mandatory-disclosure/">https://sriindu.ac.in/mandatory-disclosure/</a>
Upload e-copies of accreditations and certification	<a href="#">View File</a>
Upload details of quality assurance initiatives of the institution	<a href="#">View File</a>
Upload any additional information	<a href="#">View File</a>

## INSTITUTIONAL VALUES AND BEST PRACTICES

### 7.1 - Institutional Values and Social Responsibilities

#### 7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

##### Awareness Programs A.Y 2020 - 2021

SNO

##### List of Programs

1

Awareness Programme on "Elimination of Violence against women"

2

Awareness Programme on " Gender issues in an ageing society"

3

Awareness Programme on "Cervical Cancer"

4

##### Student Presentations Programme on Gender equality

1. AWARENESS PROGRAMME ON "ELIMINATION OF VIOLENCE AGAINST WOMEN"

Intension of this program conducting by English , H& S dept , SICET is to create Awareness in students for ELIMINATION OF

## VIOLENCE AGAINST WOMEN IN THE SOCIETY

The United Nations defines violence against women as "any act of gender-based violence that results in, or is likely to result in, physical, sexual, or mental harm or suffering to women, including threats of such acts, coercion or arbitrary deprivation of liberty, whether occurring in public or in private life."

Intimate partner violence refers to behaviour by an intimate partner or ex-partner that causes physical, sexual or psychological harm, including physical aggression, sexual coercion, psychological abuse and controlling behaviours.

Sexual violence is "any sexual act, attempt to obtain a sexual act, or other act directed against a person's sexuality using coercion, by any person regardless of their relationship to the victim, in any setting. It includes rape, defined as the physically forced or otherwise coerced penetration of the vulva or anus with a penis, other body part or object, attempted rape, unwanted sexual touching and other non-contact forms".

Conducted program which is attended by 100 students with chief guest and Principal, HOD's of various departments became success and gave lot of awareness to students. chief guest and others dignities addressed students. Students also participated very actively and presented some posters and ppts

## 2. AWARENESS PROGRAMME ON " GENDER ISSUES IN AN AGEING SOCIETY"

Intension of this program conducting by English , H& S dept , SICET is to create Awareness in students for " GENDER ISSUES IN AN AGEING SOCIETY"

Many aspects of our ageing society are deeply gendered. The number of older women is substantially larger than the number of older men. Women are also more likely than men to live the latter part of their life without a spouse. Relatedly, they are more likely than men to be involved in caring for other ill or disabled older family members. This article examines how the combination of gender differences in life expectancy, marriage, care roles, workforce participation and current policy settings combine to produce gender inequality in old age. It identifies policy measures to redress this imbalance.

Conducted program which is attended by 100 students with chief guest and Principal, HOD's of various departments became success

and gave lot of awareness to students. chief guest and others dignities addressed students. Students also participated very actively and presented some posters and ppts

### 3. AWARENESS PROGRAMME ON "CERVICAL CANCER"

Intension of this program conducting by English, H& S dept, SICET is to create Awareness in students for "CERVICAL CANCER"

A malignant tumour of the cervix, the lowermost part of the uterus. A malignant tumour of the lower-most part of the uterus (womb) that can be prevented by PAP smear screening and a HPV vaccine.

Symptoms include bleeding in between periods and after sexual intercourse. Foul smelling white discharge and low back pain or lower abdominal pain may also occur. In some cases there may be no symptoms. Treatments include surgery, radiation and chemotherapy.

Conducted program which is attended by 100 students with chief guest and Principal, HOD's of various departments became success and gave lot of awareness to students. chief guest and others dignities addressed students. Students also participated very actively and presented some posters and ppts.

### 4. STUDENT PRESENTATIONS PROGRAMME ON GENDER EQUALITY

Intension of this program conducting by English, H& S dept, SICET is to create Awareness in students for "GENDER EQUALITY"

Girls are denied schooling, a childhood, dreams, an identity just because they are girls. Join the generation that is working to make the world equal and violence-free. Become An E-Volunteer. Be A Part of Team Change. Breakthrough.

Conducted program which is attended by 100 students with chief guest and Principal, HOD's of various departments became success and gave lot of awareness to students. 25 students gave their paper presentations on various issues of gender equality.



File Description	Documents
Upload any additional information	<a href="#">View File</a>
Paste link for additional Information	<a href="https://sriindu.ac.in/wp-content/uploads/2021/12/6.3.1-Upload-any-additional-information.pdf">https://sriindu.ac.in/wp-content/uploads/2021/12/6.3.1-Upload-any-additional-information.pdf</a>

**7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas plant Wheeling to the Grid Sensor-based energy conservation Use of LED bulbs/ power-efficient equipment**

A. Any 4 or All of the above

File Description	Documents
Geotagged Photographs	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Sri Indu College of engineering & Technology has designed methods for the management of waste generated in the campus using the basic waste management strategy of Reduce, Reuse and Recycle i.e., Reduce the amount of waste generated, Reuse everything to its maximum after proper segregation and cleaning and keeping things which can be Recycled aside and handed over to appropriate agencies. The waste generated in the campus includes liquid waste and solid waste- both of biodegradable and non-biodegradable nature & chemical waste. No classified hazardous waste is generated in the campus. The environmental policy of the institute is to achieve zero discharge and complete utilization of waste with well-designed strategies to make campus clean, hygienic and healthy.

The waste generated is classified into the following types:

#### 1. Solid waste Management

Solid waste includes both biodegradable and non-biodegradable components. The non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Biodegradable waste includes food waste, vegetable peels, leaves etc.

'Use and throw' items like plastic cups, plates etc. used in the college canteen are replaced by reusable items steel glasses and plates. Glass, paper and metal waste is sold for recyclers.

Food waste and non-biodegradable waste are collected in separate bins. Biodegradable waste is disposed off in four dumping yards specially earmarked for the purpose.

## 2. Liquid waste Management

Liquid waste that is generated in the institute falls into three following categories.

1. Septic tank effluents from various sanitary blocks, water used for washing and cleaning of utensils etc. from canteen
2. Wastewater from laboratories using chemicals
3. Wastewater from RO plant

As the college is located in rural un-sewered area, waste water generated from the sanitary facilities is disposed off into septic tanks located at different places in the campus and their effluents combined with canteen waste water is used for gardening, watering trees etc. The excess wastewater will be directed into natural drain passing near by the college campus.

Waste water generated from the laboratories is very small in quantity; hence they are handled along with septic sewage.

RO plant wastewater is diluted with canteen wastewater and used for gardening, watering trees etc.

The future vision of the college is to establish full-fledged sewage treatment plant for sewage treatment and recycling the same fully within the campus, thus achieving the goal of zero discharge campus.

## 3. E-waste Management

E-waste or electronic waste is created when an electronic product is discarded after the end of its useful life. E-waste mainly includes obsolete electronic devices, such as computer systems, servers, monitors, compact discs (CDs), printers, scanners, copiers, calculators, fax machines, battery cells etc. E-waste is disposed off through vendors.

## 4. Waste recycling system

Recycling is the process of converting waste materials into new materials and objects. The recovery of energy from waste materials is often included in this concept. ... Recycling is a key component of modern waste reduction and is the third component of the "Reduce, Reuse, and Recycle" waste hierarchy.

#### 5. Hazardous chemicals and radioactive waste management

According to IAEA, the disposal of radioactive waste is defined as the emplacement of waste in an approved specific facility that is intended to isolate the waste from human and environment and to prevent or limit a release of potentially harmful substances such that human health and the environment are protected.

Radiation Facts. Activities that produce or use radioactive material can generate radioactive waste. Radioactive waste is hazardous because it emits radioactive particles, which if not properly managed can be a risk to human health and the environment

File Description	Documents
Relevant documents like agreements/MoUs with Government and other approved agencies	<a href="#">View File</a>
Geotagged photographs of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

A. Any 4 or all of the above

File Description	Documents
Geotagged photographs / videos of the facilities	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

**7.1.5 - Green campus initiatives include**

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

A. Any 4 or All of the above

<ol style="list-style-type: none"> <li><b>1. Restricted entry of automobiles</b></li> <li><b>2. Use of bicycles/ Battery-powered vehicles</b></li> <li><b>3. Pedestrian-friendly pathways</b></li> <li><b>4. Ban on use of plastic</b></li> <li><b>5. Landscaping</b></li> </ol>	
File Description	Documents
Geotagged photos / videos of the facilities	<a href="#">View File</a>
Various policy documents / decisions circulated for implementation	<a href="#">View File</a>
Any other relevant documents	<a href="#">View File</a>
<b>7.1.6 - Quality audits on environment and energy undertaken by the institution</b>	
<p><b>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</b></p> <ol style="list-style-type: none"> <li><b>1. Green audit</b></li> <li><b>2. Energy audit</b></li> <li><b>3. Environment audit</b></li> <li><b>4. Clean and green campus recognitions/awards</b></li> <li><b>5. Beyond the campus environmental promotional activities</b></li> </ol>	<p><b>A. Any 4 or all of the above</b></p>
File Description	Documents
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View File</a>
Certification by the auditing agency	<a href="#">View File</a>
Certificates of the awards received	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>
<p><b>7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and centres</b></p>	<p><b>A. Any 4 or all of the above</b></p>

**Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.**

File Description	Documents
Geotagged photographs / videos of facilities	<a href="#">View File</a>
Policy documents and brochures on the support to be provided	<a href="#">View File</a>
Details of the software procured for providing assistance	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

Sri Indu College of engineering & Technology is always at the forefront of inviting diversity, eradicate stereotypes, enhance self-esteem, encourage students to have a voice and demand educational achievement.

To achieve these objectives, courses like Constitution of India, Essence of Indian Traditional Knowledge, three weeks Orientation Program are incorporated as a small step to imbibe and inculcate these traits among the students.

Teachers deliver lectures with an acceptance and appreciation for different ideas, opinions, and learning styles of the students and make an earnest effort to understand the racial and cultural characteristics of students.

Along with curriculum, additional communication and soft skills classes are conducted to make the students from different backgrounds communicate effectively.

Social Protection cell, Grievance Redressal cell and Lady

Advisory Committee aims at social protection, ensuring tolerance and harmony, reducing vulnerability, building human capital, empowering women and girls, cultural, regional inclusion.

Industrial visits expose students to the practical challenges and also make the students from different backgrounds adapt to one another to create a tolerance and harmony in the organization.

During national festivals and other events of the college, eminent personalities are invited to emphasize the importance of tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities

NSS activities of our institution mitigate the socioeconomic diversities and progress them towards leading to a tolerant and harmonious living.

Cultural committee, through various clubs organizes plays, skits, competitions and invited lectures, educates the students and makes them aware of their social responsibilities and understands the implications of their actions. In cultural programs, traditions of various regions are respected.

Students are involved and encouraged to participate in various co-curricular and extracurricular activities to make them mingle with one another and share their opinions and disagreements in a harmonious manner.

The institute provides poor and merit scholarships as financial support and conducts aptitude and general knowledge classes for the interested students to help them for their competitive exams.

Central Library has a facility to issue books from Book Bank to students belonging to SC/ST communities supplied by the social welfare department for

AICTE sanctioned grant-in-aid of Rs.3, 00,000 /- to Dr. N. SADHA SIVAM, under ISTE-AICTE INDUCTION/REFRESHER PROGRAMME for faculty to strengthen the Teaching Learning Process in the emerging areas on MACHINE LEARNING & IOT applications.

Modernization and Removal of Obsolesces (MODROB) sanctioned Rs 14,00,000/- for Cloud Computing and BIG Data Research LAB for initiating Research and developmental skills of Faculties and Students to strengthen their Technological Fitness in lines with the Industrial Scope.

AICTE sanctioned and released an amount of Rs.1, 00,000/- for the year 2020-2021 to Dr.N.C. Sendhil Kumar and E.Parusharamu under SPICES - scheme for promoting interest, creativity and Ethics among students regarding club developmental activities.

File Description	Documents
Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View File</a>

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

India is a vast country with many languages, subcultures, religions and ethnic diversities governed and guided by the Constitution irrespective of caste, religion, race sex.

Sri Indu College of engineering & Technology sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties and responsibilities of citizens which enables them to conduct as a responsible citizen.

The vision of the institute is "To evolve into a center of excellence in Science and Technology through creative and innovative practices in teaching & learning, towards promotion of academic achievement & research excellence to produce globally accepted, competitive and world class professionals who are psychologically strong and emotionally balanced imbued with social consciousness and ethical values."

The institute hoists the flag during national festivals and invites eminent persons to inspire students and staff by informing the qualities of freedom fighters and to emphasize the duties and responsibilities of citizens.

The students are inspired by conducting various programs on culture, traditions, values, duties, responsibilities and competitions are conducted among students for various activities.

The personality development of the citizen in the aspects intellectual, mental, physical and spiritual is a rich heritage of our composite culture and is a panacea for all social ills. As an initiative of this, the institute conducts yoga, dance and

music classes.

The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and every one should obey the conduct rules.

The college curriculum is framed with mandatory courses like Professional ethics and human values, Constitution of India, Essence of Indian Traditional Knowledge, three weeks Orientation Program as a small step to inculcate constitutional obligations among the students.

Guest lectures are arranged by eminent personalities to deliver lectures on ethics, values, duties and responsibilities and on saving environment.

The institute organized awareness program on "Traffic rules and regulations" by Pioneer Automobiles and traffic DSP is invited to give guidelines to students on road safety and to emphasize their responsibility of following rules.

Ethical Values, rights, duties and responsibilities of citizens are some of the topics that are enlisted in Elocution, Debates or in Communication lab activities.

NSS activities of our institution has the affinity for Philanthropic initiatives which include donation of time or resources to government, charities and organizations at local, national levels to help victims during natural disasters.

The institute conducted awareness programs and rallies on ban on plastics, cleanliness, Swachh Bharat etc. involving students.

On Orientation day and fresher's day, reputed persons from police department and Eminent Speakers from various fields are invited to speak about the duties and responsibilities of citizens and consequences of ragging.

File Description	Documents
Details of activities that inculcate values necessary to transform students into responsible citizens	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>



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

**A. All of the above**

File Description	Documents
Code of Ethics - policy document	<a href="#">View File</a>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programmes, etc. in support of the claims	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

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

The institute aims to inculcate values and nationalism in the students by celebrating the national festivals and birth anniversaries of great Indian personalities in the college campus every year. The celebrations include flag-hoisting, Project Exhibitions, Poster Presentations, Walks, Essay Writing, and Elocution. Eminent personalities are invited to motivate staff and students by their inspirational speeches on those days.

List of programmes

S.No

Event Name

Event date

1

**International Yoga Day**

21-06-2021

2

**Independence Day & Republic Day**

15-08-2020 & 26-01-2021

3

**Teacher's Day**

05-09-2020

4

**Engineer's Day**

15-09-2020

5

**Mahatma Gandhi Jayanthi**

02-10-2020

6

**National Voters Day**

25-01-2021

7

**National Unity Day**

31-10-2020

8

**Constitution Day**

26-11-2020

9

National Mathematics Day

22-12-2020

10

National Youth Day

12-01-2021

11

International Women's Day

08-03-2021

12

Youth Skill Day

10-07-2021 to 15-07-2021

Republic Day and Independence Day:

Every year the Institution celebrates Republic Day and Independence Day hoisting the national flag by Chief Guest of the Programme and presents medals and certificates to the NCC cadets for their best performance. Students and staff salutes the flag and then sang the National Anthem.

Gandhi Jayanthi:

Gandhi Jayanthi is celebrated in memory of the Father of the Nation, who devoted his whole life preaching Truth and following Ahimsa. The College organized mass pledge in accordance with the Prime Ministers' urge for 'Swachh Bharat Abhiyaan'.

Teachers Day :

The Institution celebrates Teacher's Day commemorating the birthday of Dr. Sarvepalli RadhaKrishnan, a great teacher. On that day the Institution felicitates eminent personalities from the educational field.

**Youth Day:**

National Youth Day is celebrated on 12th January on the college campus with the aim of motivating the youth through the way of life and ideas of Swami Vivekananda to generate a positive attitude towards the people to provide them with every knowledge about how to behave in a proper way in the society.

**Engineer's day :**

The organization celebrates Engineer's Day on 15th September to mark the birth anniversary of Sir Mokshagundam Visvesvaraya by project exhibitions. Different project models are developed and exhibited by the students.

**National Unity Day :**

National Unity day is celebrated on 31st October, the birth anniversary of Sardar Valla Bhai Patel. All students and staff take part in the Run for Unity followed by the National Unity pledge.

**International Women's Day:**

Women's Committee organizes Women's Day on 8th March for the girl students and lady staff members in the college and conducts various events and competitions.

**National Voters Day:**

National Voters Day is celebrated every year on 25th January to spread awareness about the necessity of voting and to encourage young generation towards the voting rights.

**International Yoga Day:**

International Yoga day is celebrated on 21st June every year in the campus. The sessions include orientation on Yoga, its mental and physical benefits and actual performance of some yoga asanas.

File Description	Documents
Annual report of the celebrations and commemorative events for during the year	<a href="#">View File</a>
Geotagged photographs of some of the events	<a href="#">View File</a>
Any other relevant information	<a href="#">View File</a>

## 7.2 - Best Practices

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

### INTERNAL QUALITY ASSURANCE CELL (IQAC)

#### BEST PRACTICES

#### FEW INSTITUTIONAL BEST PRACTICES

#### 1. VIRTUAL CLASSROOM SUPPORTS AND VIDEO CONFERENCING USING ZOOM MEETING

##### Objective:

- The main objective is to increase the quality of Teaching - Learning Processing by incorporating ICT modes like, online classes and webinars.
- Zoom Meeting and Google Classroom that aims to simplify creating virtual classroom, interacting and distributing the materials in a paperless way.
- This practice is to share needy resources between teachers and students.

##### The Context:

- Virtual Classroom supports and video conferencing using zoom meeting impacts to increase the students learning.
- Teachers can schedule the task dynamically and have the option to attach files to the assignment which students can view, edit, or get an individual copy.
- Students can create their own study materials, Assignment

reports and their innovations effectively.

- Teachers have the option to monitor the progress of each student
- It allow the students to review the classes, assignments and other tasks for detailed understanding.
  - Time Management, Evaluation, Assessment Report generation and remedial process become very easy with these types of ICT modes.

Evidence of Success:

- The method helped all students for referring of syllabus, topics covered, important questions in the theory exam, previous year's question papers etc.
- Students can access it from their home or where ever and whenever they are free.
- Progress will be monitored timely.

Challenging Issues:

- Uploading resources are the main challenges
- Internet connectivity

## 2. DIGITAL POSTER PRESENTATION BY STUDENTS

Objective:

- To cultivate out of box thinking, such as inter-disciplinary thinking, synthesizing knowledge of different disciplines and to cope with complexity among students.
- To ensure the knowledge acquiring among the students community.
- To make them understand the emerging concepts from known concepts.
- To stimulate in-depth learning of the concepts and understanding of various topics.

The Context:

- This event is to provide an opportunity for the students to share their knowledge with the peer group members.
- The digital poster is prepared in advance with desired technical framework to share the knowledge on inter-disciplinary fields.
- This activity will lead to encourage the students to participate in symposia, technical presentation.
- Digital transformation refers to the use of digital technology to better serve the stake holders.
- Managing the activities of the institution in a technology-enabled way will ensure effective functioning of the institution.
- Electronic data management provides ready and relevant information to stake holders for decision making. For any educational institute, academic activity is the major decision making component and proper maintenance & process of this data leads to success of the institute.
- In this direction, the college has a well-established system to standardize and automate various processes across all the departments to ensure availability and transparency of data.

#### The Practice:

- The schedule is prepared and given to the faculty members to prepare and present the acquired
- This presentation is recorded for review and template for the other participants.

#### Evidence of Success:

- Outcome of this practice enables the students to
- Participate in technical presentation
- Conferences
- Project Expo
- Participate in skill oriented competitions

#### Challenging Issues:

Resources are the main challenges for participation in the competition.

- For success of such practices require attitude and willingness without which it is difficult to motivate students which is the target audience of the Institute.

- Degree of motivation required in the minds of the students can result in success of such practices.

### 3. CAREER GUIDANCE TRAINING

#### Title of the Practice

We offer career guidance on all aspects of career planning, job opportunities and options of post-graduate studies for students to help them choose the right career path based on their interests and capabilities. The Institute works towards enhancing the individual and institutional culture to better turn out graduating students with appropriate attitude, capability and temperament to serve the needs of an ever-changing and dynamic needs of the community.

#### Objectives of the Practice

The practice of continuous and improved career guidance serves to achieve the following objectives,

To broadly explore various career options. The practice helps the students to think of various forms of careers that can be taken up by them after completing the graduation

To enable students to select appropriate higher education program after completing the undergraduate program

To identify and facilitate the students (with a desire to explore entrepreneurship) in making them aware of the necessary resources (Process, Technology and Enterprises) needed to explore entrepreneurship as a career path.

To impart oral and written communication skills and knowledge essential to successfully navigate the placement process.

To provide a platform for gaining knowledge on various aspects relating to civil services examinations along with Interaction with some already successful candidates.

#### Evidence of Success

1. The number of students attending the career guidance programs willingly has increased over the years.
2. The retention rate of graduates in their employed organizations is better than before.



3. Alumni feedback indicates that the students who have undergone life skills training programs are really helpful in balancing their work and life.
4. Star-up activities are initiated by incubation center where the students are facilitated in putting ideas into practice
5. The students have progressively gained confidence in managing the placement interviews better.
6. The success rate of students in getting placed (who opt for placements) have improved continuously and even good during downturn years.
7. A few of the students have become successful in selecting and getting through civil services examinations.
8. Some students have become successful entrepreneurs also.

#### 4. HANDOUT SYSTEM

Handout system is introduced in all the departments. All the pre-requisites are preparing well in advance and shared to the students on day one class for effective progress of the academic semester (in .pdf).

This practice will be ensured by the academic audit cell.

Objective:

1. To strengthen the teaching learning process
2. To enhance the quality of Teaching
3. To increase the students' involvement
4. To ensure the faculty readiness
5. To improve the overall performance of the students.

#### 5. INTERNAL ACADEMIC AUDIT SYSTEM

Purpose:

To promote self-reflection/self-improvement measures among all departments being audited.

To conduct quality checks on different activities undertaken in all departments/ Students activity of the institution to meet expected outcomes.

To promote adoption of best practices and innovative methods for quality teaching-learning process.

The Following Areas will be covered:

Functioning of classes

Students' Academic Performance (Mid Exam)

Students Attendance/ Regularity

Faculty Cooperation/Involvement

Syllabus coverage as per course plan

Use of ICT enabled teaching & Digital courses

Maintenance of Course File/TFPR with updation

Syllabus coverage of practical courses

Corrective and Preventive Action

Innovation and Best Practices for T-L Process

Files Management / Periodical Updation

Special Effort

Slow Learner Support

Periodical Attendance Upload

Workshop/seminar attended

Support for students co-curricular and extra-curricular activities

Criteria wise NAAC progress

**Lab Verification**

**EVIDENCE OF SUCCESS**

**PLACEMENT DETAILS COLLEGE WISE**

**Academic Year**

**No. of Students Eligible**

**No. Students Placed**

**No. of Placements**

**% of students Placed**

**% of Placements**

2020-21

983

685

832

69.68%

84.6%

File Description	Documents
Best practices in the Institutional website	<a href="https://sriindu.ac.in/wp-content/uploads/2020/10/best-practice.pdf">https://sriindu.ac.in/wp-content/uploads/2020/10/best-practice.pdf</a>
Any other relevant information	<a href="https://sriindu.ac.in/wp-content/uploads/2020/10/best-practice.pdf">https://sriindu.ac.in/wp-content/uploads/2020/10/best-practice.pdf</a>

**7.3 - Institutional Distinctiveness**

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

## Institutional Distinctiveness

Our vision is to be a premier institution in engineering and technology and management with competency, values and social consciousness.

Sri Indu College of Engineering and Technology is consistently motivating, support platform for students to exhibit their skills knowledge in various competitive Technical Events. Our institute has arranged various technical events and awareness programs to increase the competency level.

High quality of the academic excellence covers way for the desired outcomes of conceptual learning and technical competency among the students. This is achieved through curriculum design in tune with the global requirement blended with innovative teaching - learning methods. Motivating and supporting the students into various technical programs and activities, guest lectures and workshops through technical associations and forums namely ISTE, IETE, CSI, IEEE enables them to develop their technical competency to work towards their career aspirations and opportunities and to achieve their desired academic and career goals.

Students are educated on courses offered through MOOCS (NPTEL, NOC, Coursera, Spoken Tutorial, etc.,) each of the semesters in tune with the courses offered through the semester. The institute also acknowledges the academic excellence of the students through scholarships, cash awards and Gold Medals during College Annual Day. Innovation and Design: The institute's vision to empower the budding women engineers towards innovation and design is visualized through their active participation in national level competitions like Hackathon, paper presentations, Project expos. The students are mentored and guided by the faculty in working competitively to stand at the national level in various technical events. SICET IIC, R&D Cell, EDC Cell, S-HUB, P-HUB conducts various workshops, seminars, guest lectures and contests to enhance the potential of the students towards innovation and design. Various technical contests and competitions are conducted by department technical associations to challenge the technical competency of the students.

The SICET NSS team takes up initiatives in collaboration with government agencies and NGOs to built up social responsibility among the students by arranging blood donation camps, tree

plantation, women empowerment, skill developments, voters awareness programs, Clean Campus, Eco friendly activities etc.,

The vision of the institute is "To develop integrated manpower with right attitude, possessing knowledge and skills, required to make an honourable living and contribute to the socioeconomic development and welfare of the society".

In addition to preparing the students with core competencies to face the global challenges, believing that "skills are of less value in the absence of appropriate value systems", the institute strives in making students adopt right attitude, understand and contribute to the socio-economic development & welfare of the society. The institute is contributing to the development of the nation by capacity and character building of the students. The institute takes lead in serving the society and in inculcating those values in the minds of young generations and imbibing in them, the required qualities to make an honorable living in the society.

The institution also donates funds in order to fulfil its role of social responsibility and inspires the students to follow the same in their lives.

- Contributed Rs.6,00,000 lakhs to the Commissioner of Police, Rachakonda Police Station, Hyderabad for C.C. TV & Cameras provision in the surroundings..
- Contributed to the welfare of the victims of natural disasters in association with students and faculty.
- Offers "POOR & MERIT Scholarships" to help the students in pursuing graduation. They are, in turn, requested to help the poor, in future.

Location Advantage, Quality residential Hostel for girls and Holistic development through Clubs:

Sri Indu College of Engineering and Technology was established by New Loyola Model Educational Society - 1971, Vanasthalipuram, Hyderabad under the chairmanship of Sri. R. Venkat Rao. The institution is situated with an extent of 54 acres on the Nagarjuna Sagar highway at a distance of 15KM from L B Nagar, Hyderabad, Telangana . The college is recognized under 2(f) & 12(B) of UGC act 1956, Accredited by NBA and NAAC, approved by the AICTE, New Delhi and permanently affiliated to Jawaharlal Nehru Technological University, Hyderabad, Telangana.

Our website: <http://www.sicet.ac.in/>

### Location Advantage

Sri Indu College of Engineering and Technology is surrounded by several villages and the ambience is set in a completely rural background with serene atmosphere. Many students are coming from nearby villages such as Sheriguda, Patelguda, Mangalpally etc. Most of the students prefer to attend the college on foot and by bicycle. Due to these factors the institute is free from pollution and doesn't get exposed to contamination. With these aspects students will get benefited not only financially but also health point of view. By possessing the above special features, the institution maintains its distinctiveness. The students of this institute do not get disturbed since the campus is away from buzzing city life. The students do not have any distraction and so naturally concentrate their studies thoroughly. Moreover, education facilities get decentralized if the institutes are established in different locations. Thus the institution is blessed to be close with the nature. By staying away from the metropolitan environment, students will focus on studies rather than other avocations. Thus those who come from nearby places will have the advantage of low cost maintenance, and also they can save time. Though the institute is on the high way, it is thus attached to rural area. The institute caters the needs and demands of students with regarding the transportation both for faculty and students with bus services covering from different areas covering the length and breathe of the city like Dilsukhnagar, Mehdipatnam, Kukatpally, Alwal, Ghatkesar etc. to the Institute. The buses are safe with well trained drivers appointed by the college authorities. The buses also equipped with FirstAid facility. These buses are secured, comfortable and affordable.

### Residential Accommodation for Girls

Quality Residential Hostel for Girls: The institute provides Residential Hostel exclusively for the girls. It caters homely hygienic food with delicious multi cuisine items with south Indian and north Indian delicacies. This hostel is fully equipped with modernized amenities. The student will have the advantage of attending for the study hours so that they can clarify their doubts. The institute charges reasonable fee and they are provided with complete security consisting of CC cameras. The hostel also provides First Aid service, mineral water and gives utmost importance to cleanliness. Students are taken by the

dedicated wardens and supporting staff. The grievances of the hostellers are addressed immediately and there will also be visiting hours for the parents and guardians in a stipulated time. The hostel is Wi-Fi enabled with power backup facility. The hostel also provides the lift facility, hot water and TV. Students are allowed to go outside provided they must take prior permission from the warden concerned and they are expected to return to the hostel before the schedule time. To discourage the ragging in the hostel, the accommodation rooms are provided separately for both seniors and juniors. Strict action would be initiated if any student indulges in indiscipline and no student is expected to bring objectionable items to the hostel.

#### Students Clubs

#### Practice Hub (P-Hub)

#### SRI INDU PRACTISEHUB ACHIVEMENTS IN GMRIT, SRIKAKULAM TECH FEST (STEPCONE2K19)

Recently we have been participated in GMRIT College-Srikakulam and we have won 5 awards and awarded which 64,000 prize money.

We have actively participated in major International events and secured respective positions:-

- 1st prize in Project design contest
- 1st prize in paper presentation (EEE Domain)
- Young Innovation award
- Silver medal prize for best paper presentation in all Departmental Domains
- 2nd prize for Drone Racing

#### NSS activities:

The institute, through NSS unit and blood donors club, organized various activities to help the society and to inculcate the service motto in the students.

#### Some of the activities:

- Conducted number of Blood donation camps and medical camps.
- Provided services to the victims of natural calamities.
- Participated in Plantation programs organized by the college or the government.
- Conducted awareness programs on "Swachh Bharat Mission"

theme & rally on swachh Bharat, no plastics, cashless transactions etc.

- Distributed books to school children
- Rendered services at Sheriguda and surrounded villages

#### Literary and Cultural Committee:

Helping hands, a student initiated club of Literary and Cultural Committee organized many activities like distribution of fruits, sweets etc. to blind and poor people.

#### Departments and institute activities:

- The institute organized project exhibitions in the campus and invited students from various schools to visit the exhibitions. The students as technical volunteers actively involved in explaining the concepts.
- The departments organized awareness programs on energy conservation and the use of technology in nearby villages and conducted power point presentations to explain the concepts.

File Description	Documents
Appropriate link in the institutional website	<a href="https://sriindu.ac.in/wp-content/uploads/2020/10/institutional-distinctiveness.pdf">https://sriindu.ac.in/wp-content/uploads/2020/10/institutional-distinctiveness.pdf</a>
Any other relevant information	<a href="#">View File</a>

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

SRI INDU COLLEGE OF ENGINEERING AND TECHNOLOGY

INTERNAL QUALITY ASSURANCE CELL (IQAC)

PLAN OF ACTION FOR THE ACADEMIC YEAR 2021-2022

S. No

Plan of Action for the Academic Year 2021-2022

1

To Strengthen the campus facilities and support system

2



To Enhance the output in Research and Consultancy

3

To submit SAR & Compliances Report for NBA Accreditation for all eligible programs

4

To strengthen the collective activities towards NAAC Accreditation as part of regular Teaching-Learning process

5

To Development of new Curriculum

6

To Foster Creativity and innovation

7

To Introduce multidisciplinary courses and projects

8

To Improve Teaching-Learning process

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

STRATEGIC PLAN FOR THE ACADEMIC YEAR 2021-2022

STRATEGIC PRIORITIES

- Academic program development and improvement.
- Attractive teaching and learning environment.
- Enhancing students' Progression.
- Faculty Self-Appraisal
- Improve research production and impact

Academic program development and improvement

Activities

Measures/Target

End Exam Pass %age

>85%

Industry based Training

2

Society activities

3

Club Activities

2

Talent Clubs

2

NBA Process

Jan 2022

Alumni Association

October, 2021

Academic Audit

Monthly twice

Advisory Committee Meeting

1

Institutional Membership

3

Centre of Excellence (CoE)

1

Attractive teaching and learning environment

**Activities**

**Measures/Target**

FDP

2

**Workshop/Seminar**

4

**AV Based Approach**

Subject wise

**ICT Based T-L Method**

Subject wise

**Model Based Teaching**

Subject wise

**Poster Presentation/ Chart work**

Subject wise

**Quiz/MCQ**

Subject wise

**Mini Project Expo**

Subject wise

**Technical Paper Presentation**

Subject wise

**Modern Tool Description**

Subject wise

**Crosswords**

Subject wise

Idea Contest

Subject wise

Tech Talk

Subject wise

Work together

Subject wise

Role Play

Subject wise

Project Based Learning

Subject wise

Enhancing students' Progression

Activities

Measures/Target

Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )

80%

Participation in Workshops/Seminars

75%

Participation in Industrial Training

70%

Participation in National Level Hackathon/Ideathon/ Codevita/  
Projects Contest

50%

**Participation in Technical Paper presentation/ Conferences**

30%

**Participation in Career Enhancement Schemes**

70%

**Faculty Self-Appraisal**

**Activities**

**Measures/Target**

**Course Content Preparation**

100%

**Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )**

100%

**Participation in Workshops/Seminars**

100%

**Participation in Industrial Training**

60%

**Participation in Technical Paper presentation/ Conferences**

90%

**Improve research production and impact**

**Activities**

**Measures/Target**

**No. of Publications**

75

No. of Patent

15

No. of Products

5

Consultancy Work

1

Sponsored Research

1

Project Proposals Submission

15

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

STRATEGIC PLAN FOR THE ACADEMIC YEAR 2021-2022

AFORETHOUGHT DEPARTMENTAL VISION - 21-22:

The following approaches and plan of actions are to be focused, promoted and implemented for the students and faculty members for their academic, research and placement enrichment for the academic year 2021-2022.

- Academic Program Enrichment and Improvement
- Adaption of Qualitative Teaching and Learning Surroundings
- Steady State Up liftment of Student's Progression.
- Faculties Academic Self Analysis for Multidimensional Growth.
- Strengthening of Research Scenario and Specific Footprint Outcomes

ACADEMIC PROGRAM ENRICHMENT AND IMPROVEMENT:

Activities

Measures/

Target

Mid Exams and End Exam Pass Percentage

>90%

Academic Promotional Activities for Faculties

2

Industrial Visits and Implant Training for Students

2

Apply for funding Agencies by Faculties

2

Sponsored Funded Projects for Students

4

Prototype based Technical Events for Students (with in Dept.)

2

Socio-Techno activities

3

Talent Association forum

2

NBA Process

Jan 2022

Alumni Association Activity

October, 2021

Academic Evaluational Meet

Monthly twice

Advisory Committee Meeting

1

Professional Society Membership

4

Multidisciplinary Competency Centre (MCC)

1

ADAPTION OF QUALITATIVE TEACHING AND LEARNING SURROUNDINGS:

Activities

Measures/

Target

FDP

2

Guest Lectures

2

Workshop/Seminar

4

ICT Based T-L Method

Subject wise

Model Based Teaching

Subject wise

Poster Presentation/ Chart work

Subject wise

Technical Quiz/MCQ

Subject wise



Mini Project Expo

Subject wise

Technical Paper Presentation

Subject wise

Modern Tool Description

Subject wise

Crosswords

Subject wise

Idea Contest

Subject wise

Tech Talk

Subject wise

Work Together

Subject wise

Role Play

Subject wise

Project Based Learning

Subject wise

STEADY STATE UPLIFTMENT OF STUDENT'S PROGRESSION

Activities

Measures/

Target

Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )

80%

Participation in Workshops/Seminars

75%

Participation in Industrial Visits and implant Training

70%

Participation in National Level Hackathon/Ideathon/ Codevita/  
Projects Contest

50%

Participation in Technical Paper presentation/ Conferences

30%

Participation in Career Enhancement Schemes

70%

Faculty Self-Appraisal

Activities

Measures/

Target

Course Content Preparation

100%

Technical Publications

100%

Patent Proposals

90%

Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )

100%

Participation in Workshops/Seminars

100%

Participation in Industrial Training

60%

Participation in Technical Paper presentation/ Conferences

90%

STRENGTHENING OF RESEARCH SCENARIO AND SPECIFIC FOOTPRINT  
OUTCOMES:

Activities

Measures/

Target

No. of Publications

40

No. of Patent

10

No. of Project Hardware model

4

Consultancy Work

1

Sponsored Research

1

Project Proposals Submission

10

DEPARTMENT OF MECHANICAL ENGINEERING

STRATEGIC PLAN

FOR THE ACADEMIC YEAR 2021-2022

STRATEGIC PLANS

- Academic program development and improvement.
- Attractive teaching and learning environment.
- Enhancing students' Progression.
- Faculty Self-Appraisal
- Improve research production and impact
- Lecture
- Small group discussions
- Computer assisted instructions
- Video Tape presentation
- Role play
- Case studies
- Simulation
- Seminars
- Workshops
- Demonstration
- Skill practice
- Tutorials
- Self study
- Project making
- Assignment
- Text book
- Industrial visits

Academic program development and improvement

Activities

Measures/Target

End Exam Pass %age

>80%

Industry based Training

2

Society activities

3

Club Activities

2

Talent Clubs

2

NBA Process

Jan 2022

Alumni Association

October, 2021

Academic Audit

Monthly twice

Advisory Committee Meeting

1

Institutional Membership

3

Centre of Excellence (CoE)

1

Attractive teaching and learning environment

Activities

Measures/Target

FDP

2

Workshop/Seminar

3

AV Based Approach

Subject wise

ICT Based T-L Method

Subject wise

Model Based Teaching

Subject wise

Poster Presentation/ Chart work

Subject wise

Quiz/MCQ

Subject wise

Mini Project Expo

Subject wise

Technical Paper Presentation

Subject wise

Modern Tool Description

Subject wise

Crosswords

Subject wise

Idea Contest

Subject wise

Tech Talk

Subject wise

Work together

Subject wise

Role Play

Subject wise

Project Based Learning

Subject wise

Enhancing students' Progression

Activities

Measures/Target

Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )

80%

Participation in Workshops/Seminars

75%

Participation in Industrial Training

70%

Participation in National Level Hackathon/Ideathon/ Codevita/  
Projects Contest

50%

Participation in Technical Paper presentation/ Conferences

30%

Participation in Career Enhancement Schemes

70%

**Faculty Self-Appraisal**

**Activities**

**Measures/Target**

**Course Content Preparation**

100%

**Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )**

100%

**Participation in Workshops/Seminars**

100%

**Participation in Industrial Training**

60%

**Participation in Technical Paper presentation/ Conferences**

90%

**Improve research production and impact**

**Activities**

**Measures/Target**

**No. of Publications**

60

**No. of Patent**

10

**No. of Products**

8



**Consultancy Work**

1

**Sponsored Research**

1

**Project Proposals Submission**

5

**DEPARTMENT OF INFORMATION AND TCHNOLOGY**

**STRATEGIC PLAN FOR THE ACADEMIC YEAR 2021-2022**

**STRATEGIC PRIORITIES**

**1. Faculty - Student Research Activity**

**Activities**

**Measures/Target**

**No. of Publications**

45

**No. of Patent**

5

**No. of Products**

5

**Consultancy Work**

2

**Sponsored Research**

2

**Project Proposals Submission**

20

**2. Academic program development and improvement**

**Activities**

**Measures/Target**

**End Exam Pass %age**

>85%

**Industry based Training**

2/subject wise

**Society activities**

3

**Club Activities**

2

**Talent Clubs**

2

**NBA Process**

Jan 2022

**Alumni Association**

October, 2021

**Academic Audit**

Monthly twice

**Advisory Committee Meeting**

1

**Institutional Membership**

3

**Centre of Excellence (CoE)**

1

**3. Department Action plan for Faculty**

**Activities**

**Measures/Target**

FDP

2

**Workshop/Seminar**

4

**ICT Based T-L Method**

Subject wise

Quiz/MCQ

Subject wise

**Conference Paper Presentation (National/International)**

2

**Journal Publication**

2/Sem

**Guide Student Major Project**

2 batches

#### 4. Faculty Self-Appraisal

##### Activities

##### Measures/Target

##### Course Content Preparation

100%

##### Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )

100%

##### Participation in Workshops/Seminars

100%

##### Participation in Industrial Training

60%

##### Participation in Technical Paper presentation/ Conferences

90%

#### 5. Department Action plan for Student

##### Activities

##### Measures/Target

##### Workshop/Seminar

2

##### Poster Presentation/ Chart work

##### Subject wise

##### Quiz/MCQ

Subject wise

Mini Project Expo

Subject wise

Technical Paper Presentation

Subject wise

Crosswords

Subject wise

Idea Contest

Subject wise

Tech Talk

Subject wise

Work together

Subject wise

Role Play

Subject wise

Project Based Learning

Subject wise

## 6. Enhancing students' Progression

Activities

Measures/Target

Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )

80%

**Participation in Workshops/Seminars**

75%

**Participation in Industrial Training**

70%

**Participation in National Level Hackathon/Ideathon/ Codevita/  
Projects Contest**

50%

**Participation in Technical Paper presentation/ Conferences**

30%

**Participation in Career Enhancement Schemes**

70%

.

**7. Build community connections that enhance the quality of life  
for students**

**Activities**

**Measures/Target**

**Participation in MOOC (NPTEL/Coursera/SWAYAM etc., )**

100%

**Participation in Workshops/Seminars**

100%

**Participation in Industrial Training**

60%

**Participation in Technical Paper presentation/ Conferences**

90%

## STRATEGIC PLAN FOR THE ACADEMIC YEAR 2021-22

### Department of H & S

Strategic plan is an important tool for institution manage itself effectively because it

- Provides a framework for effectiveness and sense of direction.
- Outlines the goals and measurable Targets
- Is useful for guiding day to day actions
- Helps in evaluating progress and changing approaches when moving forward.

### Strategic Goals:

Goal 1: To develop faculty Members to meet emerging academic and employability challenges

Goal 2: To improve the teaching and learning process

Goal 3: Measures to improve the result in the Academics

Goal 4: To develop students in various activities

Goal 1: To develop faculty Members to meet emerging academic and employability challenges

Strategy-1: Encouraging faculty members for completion of the PhD programme and enrolling for post-doctoral studies.

Strategy-2: Enhancing participation in reputed conferences and training programmes.

Strategy-3: Building interdisciplinary/multidisciplinary collaborations.

Strategy-4: Motivating for applying in various MOOCS, awards, fellowships, and incentive schemes.

### METRICS

YEAR 2021-22

Ph.D. Enrolled

6

Conferences

70

Training programs

30

Course content preparation

Subject wise

Publications

10

MOOCS (SWAYAM, NPTEL, COURSERA, UDEMY etc.)

80

Goal 2: To improve the teaching and learning process

Strategy-1: Emphasizing Assessment of Student Learning Outcomes

Strategy-2: Use ICT (Information and communication technologies) tools, software applications and digital resources effectively.

Strategy -3: Use various teaching methodologies like Video lectures, Quiz, presentations, seminars, Role play, Group discussions, Handouts, DIY (Do it yourself).

METRICS

YEAR 2021-22

Handouts

Based on subject

Video lectures

Based on subject



Quiz

Based on subject

Presentations

Based on subject

Seminars

Based on subject

Role play

Based on subject

Group discussions

Based on subject

DIY

Based on subject

Workshops

3

Goal 3: Measures to improve the result in the Academics

Strategy 1: Identifying difficulties in subject.

Strategy 2: Use the feedback loop concept.

Strategy 3: Regular self -assessment by teacher & student.

Strategy 4: Arranging Virtual classes by resource persons

METRICS

YEAR 2021-22

Guest Lectures

6

Self -Assessment Teacher

Based on subject

Self -Assessment Student

Based on subject

Remedial instructions

Subject wise

Assignment

Subject wise

Goal 4: To develop students in various activities

Strategy 1: To encourage students in innovative thinking

Strategy 2: To encourage in Active learning (MOOCS, web references, References books etc.)

Strategy 3: To prompt students with feedback during learning process.

Strategy 4: To become self-directed learners, students must learn to monitor and adjust their approaches to learning.

Strategy 5: Students can work together as a team to share the views and ideas to improve skills by forming student groups.

METRICS

YEAR 2021-22

Participation in workshops/Events

100%

Participation in MOOCS/NPTEL/COURSERA

100%

**Feedback during learning**

100%

**Student groups to improve skills in learning**

100%

NAAC