YEARLY STATUS REPORT - 2022-2023

Part A

Data of the Institution

1.Name of the Institution

SANT LONGOWAL INSTITUTE OFENGINEERING AND TECHNOLOGY,LONGOWAL

- Name of the Head of the institution

  Prof. Mani Kant Paswan

- Designation

  Director

- Does the institution function from its own campus?

  Yes

- Phone no./Alternate phone no.

  1672253100

- Mobile no

  9771300840

- Registered e-mail

  director@sliet.ac.in

- Alternate e-mail address

  deanacad@sliet.ac.in

- City/Town

  Longowal/Sangrur

- State/UT

  Punjab

- Pin Code

  148106

2.Institutional status

- University

  Deemed

- Type of Institution

  Co-education

- Location

  Rural

- Name of the IQAC Co-ordinator/Director **Prof. (Dr.) Kamlesh Prasad**
- Phone no./Alternate phone no **1672253421**
- Mobile **9417741225**
- IQAC e-mail address **iqac@sliet.ac.in**
- Alternate Email address **profkprasad@gmail.com**

3.Website address (Web link of the AQAR (Previous Academic Year) http://iqac.sliet.ac.in/files/2023/04/AQAR.pdf

4.Whether Academic Calendar prepared during the year? **Yes**

- if yes, whether it is uploaded in the Institutional website Web link: http://academic.sliet.ac.in/academic-calendar/

5.Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.35	2012	10/03/2012	09/03/2017
Cycle 2	B+	2.58	2017	30/10/2017	29/10/2022
Cycle 3	A	3.02	2022	14/09/2023	13/09/2028

6.Date of Establishment of IQAC **16/02/2013**

7.Provide the list of Special Status conferred by Central/ State Government-UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/ Department/Faculty	Scheme	Funding agency	Year of award with duration	Amount
NIL	NIL	NIL	NIL	NIL

8.Whether composition of IQAC as per latest NAAC guidelines **Yes**

- Upload latest notification of formation of IQAC — View File

9.No. of IQAC meetings held during the year **03**

- The minutes of IQAC meeting and compliance to the decisions have been **Yes**

uploaded on the institutional website.
(Please upload, minutes of meetings and
action taken report)

- (Please upload, minutes of meetings and
  action taken report)   [View File](#)

**10.Whether IQAC received funding from any
of the funding agency to support its activities
during the year?**   **No**

- If yes, mention the amount   **Not Applicable**

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

**a. Collecting and Evaluation of Self-Appraisal Report for Cycle 3
NAAC accreditation. b. Conduction of Administrative and Academic
Audits c. Regular meetings of Internal Quality Assurance Cell (IQAC)
and Timely submission of Annual Quality Assurance Report (AQAR) to
NAAC d. Awareness about energy saving (Natural light day on Thursday
and No Vehicle Day on Friday) e. Implementation of ERP system for
smooth functioning of Academics, store purchase and Accounts.**

**12.Plan of action chalked out by the IQAC in 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
Arranging of Data as per NAAC format	**All the related activities done in context to AQAR submission**
To Make strenuous efforts for Implementation of NEP-2020	**The members of formed NEP Cell of the institute were allowed to attend various seminars/workshop for its effective implementations. Academic departments were directed to submit various proposals for the start of interdisciplinary and integrated UG-PG program with multi entry-exit options. Institute is also registered for NAD-ABC and the students academic records are being uploaded on the website.**

To increase activities related to environmental awareness	Institute observe Natural light day, and No Vehicle Day on every Thursday and Friday, respectively. Awareness campaigns with Energy audit and Green audit are regularly performed every year. One Mega Watt roof top solar system has been installed in the institute.
To Strengthen ERP System in the Institute	Process of strengthening is the continuously in progress for effective implementations.
Motivation to Faculty/Students for Research and Motivation	Seed money under the research promotion scheme for the newly joined faculty members up to 5 lakhs were awarded from the institute. For better UG/PG research/project outcome institute provides some lumpsum amount to every department. 11 research and 02 consultancy projects were awarded from various Governmental, Non-Governmental agencies and Industries to the faculty members.
Arranging workshops/trainings for faculty and staff of the Institute	Conducted five FDPs across different faculties
Strengthen the activities related to industrial visit, guidance for competitive Examination, personality development, Universal Human Values	To strengthen the activities several industrial visits for the students were arranged by the academic departments, competitive examination cell is established, personality development and workshop on Universal Human Values were arranged.

13. Whether the AQAR was placed before statutory body?

Yes

- Name of the statutory body

Name	Date of meeting(s)
Deans Committee and IQAC	29/04/2024

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

15.Whether institutional data submitted to AISHE

Part A

Data of the Institution

1.Name of the Institution	SANT LONGOWAL INSTITUTE OFENGINEERING AND TECHNOLOGY,LONGOWAL
• Name of the Head of the institution	Prof. Mani Kant Paswan
• Designation	Director
• Does the institution function from its own campus?	Yes
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• Mobile no	9771300840
• Registered e-mail	director@sliet.ac.in
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• State/UT	Punjab
• Pin Code	148106
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• If yes, mention the amount	**Not Applicable**	

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15.Whether institutional data submitted to AISHE

Year	Date of Submission
2022-23	28/02/2024

16.Multidisciplinary / interdisciplinary

Sant Longowal Institute of Engineering and Technology is a Centrally Funded Technical Institution (CFTI), under the Ministry of Education, which was established by the GoI in 1989, in a special category of Technical Education where multiple-entry, multiple-exit system are followed. It was projected that in addition to Certificate, Diploma and Degree programs, Institute will provide non-formal education and training to persons from unorganized sectors and school dropouts to acquire basic technical skill, entrepreneurship and self-employment. Provision for lateral entry was also projected.

http://academic.sliet.ac.in/files/2022/12/Establishment-of-SLIET AICTE-Notification-dt.-20.6.1989.pdf

In order to prepare Institute for NEP implementation, NEP Cell is functioning in the Institute since, January, 2021, as per UGC guidelines, for necessary planning and implementation of NEP-2020.

http://administration.sliet.ac.in/files/2022/12/Annexure-2.pdf
Vision Plan "SLIET-2030":

Major activities of Vision plan are available at the following link:
http://administration.sliet.ac.in/files/2022/12/Annexure-3.pdf
Short Term Activities:

1. Holistic development of the students
2. Restructuring of ICD, setting up of industry sponsored labs, Virtual labs etc.
3. Establishment of Centre of Excellence
4. Grant of University Status (Multi-disciplinary under Category-II)
5. Development of new skill-based programs.
6. Start of New programs
7. Infrastructure development for campus digitalization

17. Academic bank of credits (ABC):

Institute has already registered under ABC vide NAD ID No. NAD003503 and ABC ids of students admitted in 2021 and 2022 batches have been created

18. Skill development:

Institute is running 3 years ICD programs, starting admission from class 10th, with multiple entry and exit option. The objective is to prepare skilled manpower for the industry and self-employment. Recently, institute is in process to restructure ICD program in line with National Skill Qualifications Framework (NSQF), with an emphasis to introduce more practical content and on job training (OJT) for industrial exposure. Institute promoted vocational education through its non-formal programs under Department of Disabilities Studies (DDS), as well as AICTE sponsored skilled programs. To promote value-based education UHV cell is functioning in the Institute since, 2019, in line with AICTE directives.

19. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course)

Though medium of education is English, faculty members deliver in vernacular languages (Hindi, Punjabi) as per the need of the students, such that language should not be a bar in learning. Further as per the appeal of AICTE, the Institute resolved to encourage faculty members to develop learning resources in Hindi and regional languages.

20. Focus on Outcome based education (OBE):Focus on Outcome based education (OBE):

The Institute curriculum was revised in line with AICTE model curriculum 2018, with a focus on OBE. POs and COs are defined for all programs and courses. In June 2021, all the 7 UG programs (BE) are accredited by the NBA for a period of three years.

http://academic.sliet.ac.in/files/2022/04/NBA-Accreditation-

Letter-2021-for-Under-Graduate-Programs-1.pdf

21.Distance education/online education:

Institute gives due importance to the ON-LINE education also. Faculty members developed videos and other online learning resources and uploaded on Institute website. Google Classrooms have been created by all the faculty to facilitate remote learning.

Extended Profile

1.Programme

1.1 Number of programmes offered during the year:	**36**

File Description	Documents
Data Template	View File

1.2 Number of departments offering academic programmes	**11**

2.Student

2.1 Number of students during the year	**3499**

File Description	Documents
Data Template	View File

2.2 Number of outgoing / final year students during the year:	**1127**

File Description	Documents
Data Template	View File

2.3 Number of students appeared in the University examination during the year	**3486**

File Description	Documents
Data Template	View File

2.4	Nil
Number of revaluation applications during the year	

3.Academic

3.1	1360
Number of courses in all Programmes during the year	

File Description	Documents
Data Template	View File

3.2	134
Number of full time teachers during the year	

File Description	Documents
Data Template	View File

3.3	204
Number of sanctioned posts during the year	

File Description	Documents
Data Template	View File

4.Institution

4.1	1801
Number of eligible applications received for admissions to all the Programmes during the year	

File Description	Documents
Data Template	View File

4.2	724
Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year	

File Description	Documents
Data Template	View File

4.3 Total number of classrooms and seminar halls	**102**
4.4 Total number of computers in the campus for academic purpose	**993**
4.5 Total expenditure excluding salary during the year (INR in lakhs)	**3123.07**

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 is reflected in Programme outcomes (POs), Programme Specific Outcomes(PSOs) and Course Outcomes(COs) of the Programmes offered by the University

Sant Longowal Institute of Engineering and Technology has implemented OBE system to make the curriculum relevant to National and Global development needs. The institute is following multi-entry and multi-exit academic structure. To implement OBE system in the institute, training program for the faculty members were conducted. To cater the needs of National requirements, our curriculum was modified as per the guidelines of AICTE based on AICTE model curriculum 2018 and UG programs were modelled for 160 credits. Further Institute is offering Minor and Honors Degree concept to enhance the skills of the students in the desired area. PSOs Defined for each program in the institute take care of Regional and Global needs. Further the COs are defined to take care of POs and their mapping suggests that aspirations in POs are fulfilled through COs.

Based on implementation of OBE in our institute, all UG programs were accredited by NBA in July, 2021.

To serve the global development needs, the institute has incorporated cutting edge technologies as part of curriculum. The subjects like IoT, Machine Learning, Automation, Robotics, EVehicle etc. are now part of our curricula in different branches.

In addition to that, the institute has developed the Specialized centers for Automation and IOT.

File Description	Documents
Upload relevant supporting document	View File

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

10

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.1.3 - Total number of courses having focus on employability/ entrepreneurship/ skill development offered by the University during the year

1.1.3.1 - Number of courses having focus on employability/ entrepreneurship/ skill development during the year

739

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2 - Academic Flexibility

1.2.1 - Number of new courses introduced of the total number of courses across all programs offered during the year

Nil

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.2.2 - Number of Programmes in which Choice Based Credit System (CBCS)/elective course system has been implemented during the year

19

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

1.3 - Curriculum Enrichment

1.3.1 - Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum

The institute lays emphasis to maintain environment and sustainability, gender equality, human values and professional ethics apart from delivering quality education to the students. These crucial components have been incorporated in the course curriculum. Environment & Sustainability and Professional Ethics Institute is committed to meet out the requirements of program outcomes (POs) even to address the needs of environment and professional ethics. The PO7 (Environment and sustainability) and PO8 (Ethics) for UG students are amply covered by our academics and co-curricular activities.

Following courses have been included to inculcate human values and professional ethics, Environment and its related issues, and awareness towards Indian constitution among all the students –

- English Communication and Soft Skills (HSMC-401, HSMC-402),
- Universal Human Values (Code MCUG-501)
- Environmental Studies (MCCH-401) Indian Constitution (MCCH-501).
- English for Research Paper Writing and Professional Communication (ACIE-811),
- Research Methodology and IPR (CCIE-811).
- Constitution of India (ACIE-821).

UHV Cell & Internal Complaints Committee organize Orientation Program from time to time for students on Human Values and Professional Ethics & social security. To Inculcate Environment and Sustainability Concern "No Motor Vehicle Day", and "Natural Light Day" are observed on every Friday and Thursday respectively.

File Description	Documents
Upload relevant supporting document	No File Uploaded

1.3.2 - Number of value-added courses for imparting transferable and life skills offered

during the year

01

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.3 - Total number of students enrolled in the courses under 1.3.2 above

1.3.3.1 - Number of students enrolled in value-added courses imparting transferable and life skills offered during the year

61

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.3.4 - Number of students undertaking field projects / research projects / internships during the year

3499

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

1.4 - Feedback System

1.4.1 - Structured feedback for design and review of syllabus – semester wise / is received from Students Teachers Employers Alumni	• All 4 of the above

File Description	Documents
Upload relevant supporting document	View File

1.4.2 - Feedback processes of the institution may be classified as follows	• Feedback collected, analysed and action taken and feedback available on website

File Description	Documents
Upload relevant supporting document	[View File](#)

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Demand Ratio

2.1.1.1 - Number of seats available during the year

1432

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

2.1.2 - Total number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per applicable reservation policy during the year (Excluding Supernumerary Seats)

2.1.2.1 - Number of actual students admitted from the reserved categories during the year

499

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses the learning levels of the studentsand organises special Programmes for advanced learners and slow learners

There is a set mechanism to assess the learning levels of the students and take measures accordingly.

Faculty members are assigned the responsibility of mentoring and counselling the students through Tutor Guardian Scheme and Student Mentor Scheme. Each class is assigned a Class Counsellor in 1st year of admission, who continues to act till final year. A period is assigned in the Time-Table, once a week.

The semester results are analysed to identify the bright and weak

students. The performance of the students in the class test and internal assessment test are examined to identify the bright and weak students.

Assistance for slow learners:

Subject teachers conduct remedial classes. Repeat/Summer Term facility available to students for slow performing students. Retest of all subjects available to students in all semesters.

Encouragement for Fast Learners:

Students are motivated for attending workshops, seminars, and competitive exams (GATE/IES), arranged by the Institute, encouraged through Project Based Learning, Financial support through evaluation process, encouragement to undergo internship in industries. SLIET Merit scholarship Awards to top 5% students. SLIET Quality Publication Award for additional publications in quality journals, with impact factor above one. Option for branch change after completion of first year of UG program.

File Description	Documents
Upload relevant supporting document	View File
Link For Additional Information	Nil

2.2.2 - Student - Full time teacher ratio during the year

Number of Students	Number of Teachers
3660	171

File Description	Documents
Upload relevant supporting document	View File

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

Institute encourage and provides ample opportunities to the students for experiential learning, participative learning and problem solving methodologies and for enhancing learning

experiences through curricular and co-curricular activities. List of these activities are given below:

A) Curricular activities

1. In-house training (for 1st Year Students)

2. Industrial training (14 Weeks during Summer/Winter vacation)

3. Semester long Internship (For full Semester, in 8th Sem)

4. Major/Minor Projects

B) Extra Academic Activities

1. Extra/Co-curricular activities

2. Educational Tour/ Learning beyond Curriculum (link of budget allocation for tour)

3. Annual Technical Festival techFEST

4. Students Club Activities (around 30 clubs)

5. Participation in Outside Project Contest/Hackathon (Financial support for Projects, TA/DA etc)

6. Funding to Innovative Projects from TEQIP-III/IIC

C) Special lectures/seminars/conferences are organized to encourage and motivate students to become participative agents and not just passive recipients of knowledge.

D) The Institution Innovation Cell (IIC) provides the platform for innovative thinkers to take forward their entrepreneurial ideas.

E) Use of ICT & E-resources by students is encouraged.

F) Participative/Project Based learnings provided through Theme Based Annual Technical Function named as "techFEST". Theme of last "techFEST-2023" was "Technology for Agriculture".

G) Various student clubs of the Institute provide a good platform to the students for performing activities for problem-solving, participative learning and experiential learning.

File Description	Documents
Upload relevant supporting document	[View File](#)

2.3.2 - Teachers use ICT enabled tools including online resources for effective teaching and learning processes during the year

Use of ICT tool is a regular feature of the institute in terms of availability of Smart Class Rooms with interactive boards, Power Point Projectors, use of Online Resources etc. for effective teaching-learning. Faculty members widely use(d) ICT tools to deliver the content to the students through online classes and evaluation process.

Use G-Suite for delivery of lectures and providing the study material, ICT enabled tools from NPTEL, SWAYAM, Videos developed by the faculty and other MOOCS platforms along with 26 Ultra-modern Smart Classrooms, equipped with smart screen, smart podium, audio system and video camera, ICT enabled teaching through

LAN/Wi-Fi Enabled Classrooms, Interactive Smart Boards, Language Lab, Virtual Classroom pay important role towards effective teaching and learning. Institute Library is equipped with necessary E-Books, E-Journals, Open Access Resources and Digital Sections.

Online lecture, expert talks, motivational talks, educational videos, webinars and web references have been arranged to support the teaching-learning process in digital mode.

The Institute has also created sufficient resources to access ICT facilities by the students, such as Central Computing Facility, Internet Connectivity of 1GBPS, Wi-Fi access in all the Hostels.

Students have also been given access to utilize Printers & Scannersin the academic departments.

File Description	Documents
Upload relevant supporting document	[View File](#)

2.3.3 - Ratio of students to mentor for academic and other related issues during the year

2.3.3.1 - Number of mentors

132

File Description	Documents
Upload relevant supporting document	View File

2.4 - Teacher Profile and Quality

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

141

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.2 - Total Number of full time teachers withPh.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. during the year

111

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.3 - Total teaching experience of full time teachers in the same institution during the year

2.4.3.1 - Total experience of full-time teachers

20

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.4.4 - Total number of full time teachers who received awards, recognition, fellowships at State, National, International level from Government/Govt. recognised bodies during the year

7

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

26

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

26

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

2.5.2 - Total number of student complaints/grievances about evaluation against total number appeared in the examinations during the year

Nil

File Description	Documents
Upload relevant supporting document	View File

2.5.3 - IT integration and reforms in the examination procedures and processes (continuous internal assessment and end-semester assessment) have brought in considerable improvement in examination management system of the institution

Institute is using IT for examination procedures and process through its ERP system. The integration of IT into the examination has immensely helped in Assessment Process, Preparation & Declaration of

Result, and Calculation of OBE Parameters. IT tools used by the institute have brought considerable improvement.

1. Faculty is using ONLINE Platform for conducting the quiz.

2. Institute has introduced ERP system for academics and result

preparations.

3. ERP system allows faculty members to calculate OBE Parameters including the Attainment Levels.

4. Integration of IT in the examination includes –

- Online form filling for the examination,
- Approval process,
- Year and Trade wise student data preparation
- Circulation of date sheet,
- Entry and processing of internal assessment and end term
- examination marks by the faculty member
- Generation of final award sheet along with grades
- Preparation and publication of results
- Availability of previous sessional marks in case of RETEST.

5. The parameters for the "Reforms in Examination as per AICTE norms i.e., OBE has been incorporated.

6. Answer sheets pertaining to Minor as well as ESE are shown to students, before declaration of result.

File Description	Documents
Upload relevant supporting document	[View File](#)

2.5.4 - Status of automation of Examination division along with approved Examination Manual	A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

2.6 - Student Performance and Learning Outcomes

2.6.1 - The institution has stated learning outcomes (generic and programme specific)/graduate attributes which are integrated into the assessment process and widely publicized through the website and other documents

The institute is following OBE pattern of education system and developed its Course Outcome (COs) based on the Program Outcome

(POs).

Course Outcomes (COs) have been developed for all the undergraduate and postgraduate programs, duly approved by the respective bodies of the Institute. Every CO is aligned to one or more POs and measured at the end of the course, through CAE and ETE assessments.

Assessments are designed specifically to effectively measure the Cos and contribute to the POs, so that it is mapped to Program Educational Outcomes (PEOs).

All faculty members prepare a Course File with details of the Course Objectives, Course Outcomes, lecture plan, course modules, assessment and teaching tools, reference material, and total numberof teaching hours along with credits at the beginning of the academic year.

COs, POs and PSOs are widely publicized at important places like departmental webpages and Institute website. The first-year students are given an overview of the program and the course outcomes at thestart of the program. On the institution's website, one can find the course descriptions and learning objectives. These are displayed in visible locations like department office, labs, departmental libraryfor the awareness of all stakeholders.

File Description	Documents
Upload relevant supporting document	[View File](#)

2.6.2 - Attainment of Programme outcomes, Programme specific outcomes and course outcomes are evaluated by the institution during the year

The COs of each course have been framed and mapped with corresponding POs. To practice the OBE in the Institute, the attainment of CO is evaluated through Direct and Indirect assessment tools. The result of attainment of CO is used to evaluate the attainment of Program Specific Outcome (PSO) and Programme Outcome (PO).

CO Assessment Processes:

The assessment is carried out through direct and indirect assessment by the respective departments, through Classroom interaction, Seminars/ tutorials, class assignments, and laboratory work, Student's knowledge and skills from their

performance in the CAE, ETE assessments etc. Continuous Assessment Examination (CAE) have four components i.e. Minor-I Examination, Minor-II Examination, Quiz, and Assignments.

Direct Assessment Tools:

The attainment value to be attained, is set as per the percentage of the marks of the questions set to meet the particular CO (Course outcome) in the component.

Indirect Assessment Tools:

Indirect attainment is obtained through various surveys e.g. alumni survey, exit (final year students) survey, parents' feedback, employers' feedback, current student feedback.

PSOs Attainment:

Attainment levels for Cos, evaluation of average PO & PSO score and evaluation of PO & PSO attainment.

File Description	Documents
Upload relevant supporting document	[View File](#)

2.6.3 - Number of students passed during the year

2.6.3.1 - Total number of final year students who passed the university examination during the year

1085

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

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 web link)

http://iqac.sliet.ac.in/student-satisfaction-survey-analysis-report/

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

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

The institute has a Research and Consultancy (R&C) division under the supervision of Dean (R&C). The institute has approved rules and regulations for the award of Ph.D. degree as per UGC/MoE norms, revised in 2018 and updated from time to time.

Recently, institute as targeted "Technology for Agriculture" and "Interdisciplinary Research" as one of the focus areas, with strategic planning.

1. Fellowships for Ph.D. Programme:

The institute offers 118 Nos. of Fellowships from Grant-in-Aid (GIA) to the GATE/NET qualified candidates, 08 fellowship under ADF category sponsored by AICTE.

2, Engagement of Research Assistants for R&D Activities:

There is a provision of the engagement of 30 Research Assistants duly approved by MoE, as per the provisions of Ph.D. rules and regulations of the institute, for enhancing the Research and Development activities.

3. Research/Central Facilities Available in the Institute:

The sophisticated instruments, such as XRD System, FESEM and EDS System, GCMS, Microprocessor Controlled Muffle Furnace (1500 degree centigrade) etc., are added as Central Facility in the institute.

1. Financial Support under CPDA Scheme
2. Financial Support to Research Scholars
3. Research Promotion Grant Scheme for Newly Recruited Faculty
4. Awards for Quality Publications and Externally Funded Projects

File Description	Documents
Upload relevant supporting document	[View File](#)

3.1.2 - The institution provides seed money to its teachers for research (amount INR in Lakhs)

50

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.3 - Number of teachers receiving national/ international fellowship/financial support by various agencies for advanced studies/ research during the year

01

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.4 - Number of JRFs, SRFs, Post-Doctoral Fellows, Research Associates and other research fellows enrolled in the institution during the year

26

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.1.5 - Institution has the following facilities to support research Central Instrumentation Centre Animal House/Green House Museum Media laboratory/Studios Business Lab Research/Statistical Databases Moot court Theatre Art Gallery	A. Any 4 or more of the above

File Description	Documents
Upload relevant supporting document	View File

3.1.6 - Number of departments with UGC-SAP, CAS, DST-FIST, DBT, ICSSR and other recognitions by national and international agencies during the year

05

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2 - Resource Mobilization for Research

3.2.1 - Extramural funding for Research (Grants sponsored by the non-government sources such as industry, corporate houses, international bodies for research projects) endowments, Chairs in the University during the year (INR in Lakhs)

318.044

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.2 - Grants for research projects sponsored by the government agencies during the year (INR in Lakhs)

227.02

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.2.3 - Number of research projects per teacher funded by government and non-government agencies during the year

11

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an eco-system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Following activities demonstrate the existence of ecosystem for

innovations and incubation:

1. Institute Innovation Cell: encourages, stimulates, and nurtures the ideas of young minds that have a great potential to convert their ideas into prototype /product or services.
2. Bee keeping and Honey Processing: Innovation and incubation Centre: Research, production of quantity honey and other beehive products.
3. Centre for Innovation is a facility created in the ME department where students undertake the fabrication work related to various Projects, Competitive events.
4. Centre of Excellence on Microwave and Photonics Technology: to cater the need of innovation and incubation services to academia and industry.
5. Centre of Excellence in Advanced Bioprocesses and Bioenergy: to explore the opportunities to bring sustainability in agricultural practices by developing plant and microbe derived products that reduce the use of chemical fertilizers.
6. An industry linked Centre for Training and Research in Automation is established to provide state-of-the-art tools with learner centric study material, Student Training, etc.
7. Technical Students' Club: Active Student Clubs (Technical) provide a good platform for performing activities for creation and transfer of knowledge.
8. Centre-of-Excellence-Data-Hives: has been established to train students in advanced technologies and create momentum in research.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

11

3.3.2.1 - Total number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development year wise during the year

5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.3.3 - Number of awards / recognitions received for research/innovations by the institution/teachers/research scholars/students during the year

3.3.3.1 - Total number of awards / recognitions received for research/innovations won by institution/teachers/research scholars/students year wise during the year

21

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4 - Research Publications and Awards

3.4.1 - The institution ensures implementation of its stated Code of Ethics for research

3.4.1.1 - The institution has a stated Code of Ethics for research and the implementation of which is ensured through the following 1. **Inclusion of research ethics in the research methodology course work** 2. **Presence of institutional Ethics committees (Animal, chemical, bio-ethics etc)** 3. **Plagiarism check** 4. **Research Advisory Committee**	**A. All of the above**

File Description	Documents
Upload relevant supporting document	View File

3.4.2 - The institution provides incentives to teachers who receive state, national and international recognitions/awards Commendation and monetary incentive at a University function Commendation and medal at a University function Certificate of honor Announcement in the Newsletter /	**A. All of the above**

website

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.3 - Number of Patents published/awarded during the year

3.4.3.1 - Total number of Patents published/awarded year wise during the year

14

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.4 - Number of Ph.D's awarded per teacher during the year

3.4.4.1 - How many Ph.D's are awarded during the year

37

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

402

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.6 - Number of books and chapters in edited volumes published per teacher during the year

3.4.6.1 - Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year

122

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.4.7 - E-content is developed by teachers For e-PG-Pathshala For CEC (Under Graduate) For SWAYAM For other MOOCs platform For NPTEL/NMEICT/any other Government Initiatives For Institutional LMS	D. Any 2 of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

Scopus	Web of Science
http://iqac.sliet.ac.in/academic-identity/	http://iqac.sliet.ac.in/academic-identity/

File Description	Documents
Any additional information	View File
Bibliometrics of the publications during the year	View File

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

Scopus	Web of Science
http://iqac.sliet.ac.in/academic-identity/	http://iqac.sliet.ac.in/academic-identity/

File Description	Documents
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View File
Any additional information	View File

3.5 - Consultancy

3.5.1 - Institution has a policy on consultancy including revenue sharing between the institution and the individual and encourages its faculty to undertake consultancy

SLIET Longowal has been striving hard to encourage Research and Consultancy culture among its faculty, staff and students. Institute has a well-documented, policy to promote consultancy activities for resource generation. The same was amended in July 2020 with the approval of Board of Management (BoM). Research & Consultancy activities are coordinated through Office of Dean (R&C).

Link for Amended Rules and Regulations for Sponsored Research and Consultancy: http://rnc.sliet.ac.in/files/2020/08/Amended-Rules-and-Regulations-for-Sponsored-Reserach-and- Consultancy.pdf

The main objectives of R&C policy are –

- Encourages its faculty to provide knowledge and intellect input which are of interest to industry
- To fetch Industry sponsored projects and knowledge update.
- Resource generation for the institute.
- Establish testing labs/center

Link for Consultancy and research brochure:

http://rnc.sliet.ac.in/files/2020/06/Research-and-Consultancy-Brochure.pdf

Research and Consultancy services are being carried out in several areas, like energy, environment, food and bioprocessing, manufacturing, design, telecommunication, power system, nanotechnology, materials, simulation etc. in all departments of Engineering, Science and Management. The faculty members and research scholars are being encouraged to undertake Consultancy

services to provide technical solutions through expert advice, solving problems, testing, and experimenting etc. and research project activities for the clients from Government/corporate houses, industries etc. with an aim to generate IRG to the Institute and service to society.

File Description	Documents
Upload relevant supporting document	[View File](#)

3.5.2 - Revenue generated from consultancy and corporate training during the year (INR in Lakhs)

3.5.2.1 - Total amount generated from consultancy and corporate training during the year (INR in lakhs)

5.369

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

3.6 - Extension Activities

3.6.1 - Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the year

For the holistic development and sensitization of the students in the neighboring communities a number of extension activities are carried out by the institute. These activities are conducted under

the umbrella of –

Unnat Bharat Abbhiyan

Activities conducted by NCC/NSS Cadets, Happy Club, Electoral

Literacy Club

Social Fest, Awareness Seminars

Activities under Unnat Bharat Abbhiyan: To sensitize students about their social obligation, Institute has adapted eight villages under UBA, the Flagship Program of GoI, namely (i) Bahadurpur, (ii)Duggan, (iii) Shahpur, (iv) Jharron, (v) Loha

Khera, (vi) Mander Kalan, (vii) Kila Bharian. Institute is working for the development of these villages through active involvement of students. Activities such as - Career Counselling and Awareness about Science & Technology, Awareness about Healthy Life Style, Awareness about Swachhta Abhiyan, Social Evils, Water Conservations, Save Environment Awareness about Organic Farming, etc

Social Activities by NSS/NCC and Happy Club: Students are motivated to donate and help needy persons/under privileged persons. NSS/NCC unit of the institute arranges health camps, blood donation camps, Swachatha Abhiyan, literacy drives, social responsibilities awareness camps, national integration, and social harmony etc. In all these activities students involve as volunteers and displaytheir duties and responsibilities towards society.

File Description	Documents
Upload relevant supporting document	View File

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

3.6.2.1 - Total number of awards and recognition received for extension activities from Government / Government recognised bodies during the year

60

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

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

5

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.6.4 - Total number of students participating in extension activities listed at 3.6.3 above during the year

520

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7 - Collaboration

3.7.1 - Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

3.7.1.1 - Total number of Collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students during the year

16

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

3.7.2 - Number of functional MoUs with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the year

12

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc.

The campus is spread over 451 acres of land. The institute is having well-furnished ICT enabled classrooms (26), Seminar Halls (05), other facilitating rooms (06) and state-of-art laboratories (119) as well as excellent computing facilities for nurturing teaching-learning and research.

The Institute faculty uses ICT enabled tools from NPTEL, SWAYAM and other MOOCS platforms along with YouTube videos.

The central facility is equipped with high end sophisticated equipment such as Field Emission Scanning Electron Microscope (FESEM) along with Energy Dispersive Spectrometer (EDS), X-Ray Diffractometer (XRD) System, HPLC system, Supercritical Fluid Extraction System etc.

Institute have a two storied multi-purpose hall (MPH) for conducting the examination and other technical events.

Institute provides uninterrupted access to information and network services with 1GBPS internet bandwidth and over 100 Wi-Fi access points.

The Institute has 1432 Computer systems (993 dedicated for the students, 257 for faculty including 129 laptops, and 182 for office use).
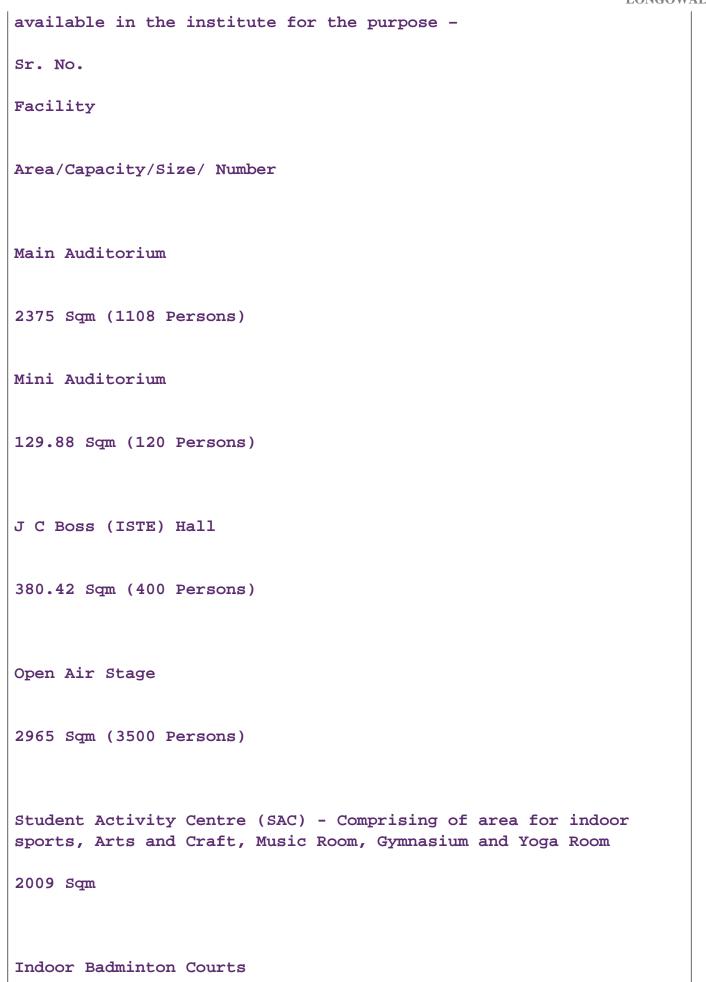
The computational labs have adequate computers, Wi-Fi connectivity etc. to support practical sessions. Institute is having wide verities of the licensed software. The Institute provides access to software languages and platforms such as MATLAB, C++, Adobe Photoshop, LINUX, LabVIEW, Ansys, COMSOL Multiphysics, CHEMCAD, Adobe Photoshop, ANSYS etc.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

Following facilities/support listed and described below are

available in the institute for the purpose –

Sr. No.

Facility

Area/Capacity/Size/ Number

Main Auditorium

2375 Sqm (1108 Persons)

Mini Auditorium

129.88 Sqm (120 Persons)

J C Boss (ISTE) Hall

380.42 Sqm (400 Persons)

Open Air Stage

2965 Sqm (3500 Persons)

Student Activity Centre (SAC) - Comprising of area for indoor sports, Arts and Craft, Music Room, Gymnasium and Yoga Room

2009 Sqm

Indoor Badminton Courts

02 Number (250 Sqm)

Outdoor Sports facilities

14760 Sqm

Gymnasium

01 (SAC) + 03 (Hostels)

Open Gym

08 numbers

Swimming Pool

400 Sqm.

Multipurpose Hall

1442 Sqm (1000 Persons)

Faculty Club

950 Sqm

Community Centre

729 Sqm

http://sliet.ac.in/wp-content/uploads/2022/12/4.1.1-Additional.pdf

Other Highlights-

Department of Sports having SPI (01), PI (01), Sports Coaches (05) Yoga & PT Teacher (01 each for Boys & Girls) Music Teacher (01), Art & Craft Teacher (02) Separate Budget allocation for Sports and Students Activities

File Description	Documents
Upload relevant supporting document	[View File](#)

4.1.3 - Availability of general campus facilities and overall ambience

The institute has an area of 451 acres of land with natural beautyand greenery. The campus of the institute extends picturesque landscape, buildings of various nature & stature and metal road network. Medicinal and non-medicinal plants enhance the SLIET Campus ambience.

The Central Library is equipped with all kinds of modern facilities for its best utilization by the faculty, staff, and students of the institute.

There are two guest houses having total 42 fully air-conditioned rooms. 1 MW Grid Connected Solar Rooftop Power Plant has been installed in the Institute on RESCO mode. Academic Blocks, Administrative Block, other Institute buildings and all hostels are connected through optical fiber to share the resources and exchange the data.

SLIET is a residential campus with ten (10) hostels for boys and four (04) for girls, accommodating about 3400 students, including about 800 girls.

Institute has its own Health Centre having Medical Officers, Homeopathic and Ayurvedic Consultants, Psychological Counsellors, Para Medical Staff, Two (02) Ambulance(s), one with life support

system are available in the institute.

Bank, Telephone Exchange and Shopping Complex, Faculty Club and Community Centre, Water Treatment Plant, 2 Overhead Tank.

File Description	Documents
Upload relevant supporting document	[View File](#)

4.1.4 - Total expenditure excluding salary for infrastructure augmentation during the year (INR in Lakhs)

3123.07

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS) and has digitisation facility

Central Library of the institute has a rich collection of 1,09,215 books that includes technical books, books on literature, general awareness, management, social sciences, and humanities. 982 e-books

have been purchased in the library for the access by the users of the library round the clock.

The book bank facility is being provided to all the ICD and UG students. The Central Library is having the subscription of 16 daily newspapers, 92 national and international magazines & periodicals.

The Central Library is e-Shodh Sindhu consortium member. The library users have access to full text of numerous journals form ASME, Economic and Political Weekly, Elsevier Science Direct, IEEE/IET

Electronic Library, J-STOR, Springer Link. The library users have access to various databases like FSTA, JCCC, J Gate, Web of Science etc, anti plagiarism software(s) URKUND/The NPTEL

video lectures and lectures prepared by the faculty.

Central Library is using ALICE for Window (6.00) Integrated Library management Software.

The library is partially automated, presently the software is being used for creating the database of books. Presently Online Public Access Catalogue (OPAC) facility is available with in the library.

Central Library is Wi-Fi enabled with a seating capacity of 100.

File Description	Documents
Upload relevant supporting document	View File

4.2.2 - Institution has subscription for e-Library resources Library has regular subscription for the following: e – journals e-books e-ShodhSindhu Shodhganga Databases	A. Any 4 or all of the above

File Description	Documents
Upload relevant supporting document	View File

4.2.3 - Annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the year (INR in Lakhs)

198.55

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

4.2.4 - Number of usage of library by teachers and students per day (foot falls and login data for online access)

694

File Description	Documents
Upload relevant supporting document	View File

4.3 - IT Infrastructure

4.3.1 - Number of classrooms and seminar halls with ICT - enabled facilities such as LCD, smart board, Wi-Fi/LAN, audio video recording facilities during the year

102

File Description	Documents
Upload the data template	**No File Uploaded**
Upload relevant supporting document	[View File](#)

4.3.2 - Institution has an IT policy, makes appropriate budgetary provision and updates its IT facilities including Wi-Fi facility

Institution has Administrative Computer Services System (ACSS) Section which looks after the maintenance of Internet Services and Campus-wide Networking.

The following are the IT policies:

To protect the network a Sophos UTM is equipped in the Network for user authentication, Firewall etc.

Internet login is provided to all the users with variable range of usage data like Faculty and staff have unlimited data and students have 1 to 2GB/day. All the users are authorized to change their passwords.

Smooth functioning of Internet, LAN and troubleshooting is a regular process of ACSS Section. Institute is equipped with latest Networking Equipment to access the resources through LAN & Wi- Fi to all the students, faculty & staff. Individual LAN connection has been provided to all faculty and

staff. All Hostels and few locations of departments are having Wi- Fi facilities. Annually a budget is allocated by the Institute for up gradation for IT facilities including Wi-Fi facility. Upgradation of LAN facilities is done as per requirement.

File Description	Documents
Upload relevant supporting document	[View File](#)

4.3.3 - Student - Computer ratio during the year

Number of students	Number of Computers available to students for academic purposes
3433	1164

4.3.4 - Available bandwidth of internet connection in the Institution (Leased line)

- **?1 GBPS**

File Description	Documents
Upload relevant supporting document	[View File](#)

4.3.5 - Institution has the following Facilities for e-content development Media centre Audio visual centre Lecture Capturing System(LCS) Mixing equipment's and softwares for editing

A. All of the above

File Description	Documents
Upload relevant supporting document	[View File](#)
Upload the data template	[View File](#)

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Total expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the year

1480.08

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

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

The Institute has an established system for maintenance and utilization of IT support facilities, computers, classrooms, equipment, and laboratories on the campus. The physical facilities (academic buildings, hostels, residences and other buildings), are maintained by the Estate Office, comprises of Civil (Horticulture, Sanitation and Civil Maintenance) and Electrical Wing. Housekeeping/Sanitation services as well as horticultural

activities are outsourced on an annual contract basis. Estate officer and AE (Electrical) take care of scheduled maintenance in their budgetary provisions and execution. The Institute is also having outsourced security services round the clock.

Maintenance and Utilization of Classroom, Furniture: Sufficient funds are allocated for the repair and maintenance of equipment to all the Departments. A concept of Health Register is introduced on the recommendations of IQAC to monitor the maintenance of lab equipment.

The maintenance of sports equipment, fitness equipment, grounds, and various courts for the Sports Facilities on the Campus are looked after by the Sports Department.

The Library is maintained by staff members headed by the Librarian. A well-stocked library is looked after by a dedicated library staff. The library rules, procedural guidelines, library hours and detailsof all resources are available on the library portal of the Institute website.

File Description	Documents
Upload relevant supporting document	View File

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Total number of students benefited by scholarships and free ships provided by the institution, Government and non-government agencies (NGOs) during the year (other than the students receiving scholarships under the government schemes for reserved categories)

232

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.2 - Total number of students benefited by career counselling and guidance for competitive examinations offered by the Institution during the year

345

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.1.3 - Following Capacity development and skills enhancement initiatives are taken by the institution 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
Upload the data template	View File
Upload relevant supporting document	View File

5.1.4 - The Institution adopts the following for redressal of student grievances including sexual harassment and ragging cases Implementation of guidelines of statutory/regulatory bodies Organisation wide awareness and undertakings on policies with zero tolerance Mechanisms for submission of online/offline students' grievances Timely redressal of the grievances through appropriate committees

- All of the above

File Description	Documents
Upload relevant supporting document	View File

5.2 - Student Progression

5.2.1 - Number of students qualifying in state/ national/ international level examinations during the year (eg:NET/SLET/GATE/GMAT/CAT/ GRE/TOEFL/Civil Services/State government examinations)

5.2.1.1 - 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

28

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.2 - Total number of placement of outgoing students during the year

340

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.2.3 - Number of recently graduated students who have progressed to higher education (previous graduating batch) during the year

49

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3 - Student Participation and Activities

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

14

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

5.3.2 - Presence of Student Council and its activities for institutional development and student welfare

As per Institute's well-structured system of Class Representatives (CRs), Hostel Management Committees, Cultural Committees, Sports Committee, Discipline Committees, Student Placement Representative (SPR)etc. which are managed by students for institutional

development and welfare activities. These systems for students are supported by Faculty Advisors, Warden, Chief wardens, Class

Counselors, Chief Counselor etc. who make connect with students and resolve the issues of students. The major issues if any, are resolved in consultation with Deans and Director. Students do also have due representation in IQAC Cell, Internal Complaints Committee (ICC), different government flagship programs and various other academic and administrative committees of the institute. Even the alumni are part of our Board of Studies, Senate, and Board of Management of the Institute.

File Description	Documents
Upload relevant supporting document	[View File](#)

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

5

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

5.4 - Alumni Engagement

5.4.1 - The Alumni Association/Chapters (registered and functional)contributes significantly to the development of the institution through financial and other support services during the year

The SLIET Alumni Association is registered under Societies Registration Act (XXI of 1860). The primary mission of SAA is to make a connect the Alumni and its Alma Mater along with Students of

SLIET, to get all possible support for their career progression:

- **Distinguished alumni are nominated to various governing bodies of the institute like Board of Management, Senate, Board of Studies and IQAC etc. Apart from these alumni give guest lecturers, guide new students in orientation programs and contribute as industry experts and cooperative partners with the institute. Pre-placement talk hosted by alumni is beneficial to the students for choosing the right career path.**

- Institute has a strong alumni network which is one of the major sources of placement opportunities to the students.
- Conduction of Mock Interview for students is a phenomenal activity by the prestigious alumni as a part of brush up session for placement support.
- The established alumni of this institute benefit us by mentoring the students socially, academically, and professionally in their areas of expertise and thus help students in smooth sailing from academicsto industry
- Many of the alumni are now entrepreneurs and are in touch with their alma mater for nurturing the fresh minds towards start-ups.

File Description	Documents
Upload relevant supporting document	[View File](#)

5.4.2 - Alumni contribution during the year (INR in Lakhs) `C. 3 Lakhs - 4Lakhs`

File Description	Documents
Upload relevant supporting document	[View File](#)

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The institution has a clearly stated vision and mission which are reflected in its academic and administrative governance

Vision

"SLIET shall strive to act as an international podium for the development and transfer of technical competence in academics through formal and non-formal education, entrepreneurship andresearch to meet the changing needs of society"

Mission

1. Formal, flexible, modular, credit based multi-point entry Programmes in engineering and technology in the areas like Rural development, educational planning, etc.

2. Education and Training in modern technology areas

3. Promotion of self-employment among the students

4. Extension services to the industry, working population, passed out students, social organization and institution of research and higher learning

5. Close interface with the industry to conduct research based on manpower requirements leading to integrated educational planning, curriculum development and instructional material preparation in the identified area of science, technology and inter-disciplinary areas

6. Promotion of institute-Institute linkages for sustainable development of academics and research

The overall administration is supervised by the Board of Management which is integrated in a synchronous and flexible manner with Finance Committee, Planning & Monitoring Board, Senate and BOS, as per MoA. They play a significant role in bringing evolutionary reforms for higher learning, better skilling and personality development of students.

File Description	Documents
Upload relevant supporting document	View File

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

The institution has a decentralized and transparent mechanism in management, administration, financial and academic affairs as per MoA and GoI norms and seeks to develop in each member of its

community, the ability and passion to work wisely, creatively, and effectively for the growth of the Institute.

Department Level Committees- Each department has around 20 functional committees involving almost all members of the department

(http://eie.sliet.ac.in/files/2022/08/Deptt.-Committees-26th-July-2022.pdf) reflecting decentralization and participativemanagement.

Institute Level Committees- There are around 30 major committees constituted at the institute level involving most the Faculty and

staff (http://administration.sliet.ac.in/files/2022/12/List-of-Committees-constituted-for-carrying-out- various-institutioalactivities-in-the-Institute.pdf) further enhances the concept of participative management.

Committees such as ACoFAR is constituted to frame policy for Direct Recruitment and CAS promotion of Faculty.

Grievance Advisory Committee (GAC) is constituted as per MoA to resolve the Grievances of the employees internally. Statutory Committees- As per MOA of the institute, following are the statutory committees to run the institute with participation at the highest level-

1. Board of Management (BOM)

2. Finance Committee (FC)

3. Building and Works Committee (BWC)

4. Senate (Academic Council)

5. Planning and Monitoring Board

File Description	Documents
Upload relevant supporting document	[View File](#)

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic plan is effectively deployed

As per the strategic plans the institute is now offering ICD, UG, PG and PhD programs in all the prominent domains to cater the National and Global development needs. All UG programms are accredited by NBA in July, 2021.

The institution prepares its perspective plan from time to time. The salient points of the some of the strategic decisions in last few years are:

- Revision of curriculum
- Strengthening of academic practices
- Modernization of the teaching-learning
- Implementation of the skill development program for students
- Enhancing the number of Centers of Excellence to strengthen

- relations with reputed institutions Promotion of Consultancy.
- Policy for Recruitment.
- Research Promotions (SLIET Quality Publication Awards (SQPA), SLIET Research Project Award (SRPA))
- Merit Promotion (SLIET Merit Scholarship (SMS))
- Strategic planning through WAR ROOM, NEP 2020 Cell and Vision Plan 2030
- Steps for Environment friendly practices.
- Enhance Collaboration with National and international Organizations.
- Improvement in community engagement and outreach programs

The entire plan is being executed in the following way:

- Orientation programs, FDP and Staff Training programs were organized
- Seven nearby villages have been adopted under the 'Unnat Bharat Abhiyaan'
- Digital Transformation of the teaching-learning system and skill development:

- Research initiatives:

    Industry Initiatives

File Description	Documents
Upload relevant supporting document	[View File](#)

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

SLIET is an autonomous body under Ministry of Education, Government of India. The Board of Management is the apex body of the Institute. It is responsible for defining the role, vision and mission of the institute and thereby setting the strategic directions for the desired achievements. The board of management has the responsibility to administer institutional performance. All its decision and

policies are made for the best interest of the institution. Other institutional governance bodies also include

1. Finance Committee,

2. Senate,

3. Building Works committee

4. Planning & Monitoring Board.

The timely meetings of BOM, Finance Committee, Senate and Building works committee points to effective and efficient working style. Further, timely placement of MoM of these bodies on institute website reflects the transparency in working. Further institute appoints Nodal Officers and Committees for statutory and administrative requirements. CVO, RTI cell, IQAC, ICC, IIC, SC-ST & OBC-EWS Cell, Scholarship cell, Anti Ragging Cell, Grievance Advisory Committee etc. are available for providing good working environment to students and employees. For the service conditions of the employees, the Institute follows CCS rules. AICTE norms are adopted for appointment and promotion of the Faculty members.

File Description	Documents
Upload relevant supporting document	[View File](#)

6.2.3 - Institution Implements e-governance in its areas of operations

6.2.3.1 - e-governance is implemented covering following areas of operation 1. Administration 2. Finance and Accounts 3. Student Admission and Support 4. Examination	**A. All of the above**

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

6.3 - Faculty Empowerment Strategies

6.3.1 - The institution has a performance appraisal system, promotional avenues and effective welfare measures for teaching and non-teaching staff

The institute has a well-defined system of performance appraisal of its employees. The self-appraisal proforma for teaching and other staff member is being regularly reviewed to incorporate the changing

needs of the system.

Following are some of the welfare measures for Staff:

1. Casual Leave/Restricted Holiday/Medical Leave/Earned Leave to all the employees as per Government of India (GOI) norms
2. Pay-scales as per AICTE/ GOI norms
3. Gratuity as per GOI norms Group Insurance (GIS)
4. Contributory Provident fund (As per GOI)
5. Medical benefit – A primary health Centre has been set-up in the campus to cater the multifarious needs related to health of the SLIET campus population
6. All the medical expenses are reimbursed as per CGHS rates
7. Bank, Shopping Complex, 8. Community Centre, Faculty club, Guest House, swimming pool,
8. open gymnasium etc.
9. Professional Development Allowance for Professional Growth-Financial support provided to faculty members for participating in National or International Conferences, Workshops, FDPs, professional society membership.
10. CAS of AICTE for Faculty. Career development schemes have been framed by the institute to improve knowledge and professional skills of faculty members.
11. Seed Money for faculty members for initiating a new project work.
12. FDP arranged regularly

File Description	Documents
Upload relevant supporting document	View File

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

41

File Description	Documents
Upload the data template	View File
Upload relevant supporting document	View File

6.3.3 - Number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the year

6

File Description	Documents
Upload the data template	[View File]()
Upload relevant supporting document	[View File]()

6.3.4 - Total number of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the year(Professional Development Programmes, Orientation / Induction Programmes Refresher Course, Short Term Course)

46

File Description	Documents
Upload the data template	[View File]()
Upload relevant supporting document	[View File]()

6.4 - Financial Management and Resource Mobilization

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

Institute mobilizes funds in a planned and systematic manner. The main sources of fund are -

1. Ministry of Education as Grant-in-Aid, and
2. Funds received from IRG e.g. Students Fees & Hostel Fees etc.
3. From externally funded projects such as TEQIP, AICTE, DST, etc
4. Donations, Research & Consultancy, Training programs etc

All transactions are made digitally. The mobilization and utilization of the fund are made in a systematic manner for following main activities –

1. Disbursement of Salary & other benefits to the faculty and staff members,
2. Expenditure towards the cost of infrastructure development and augmentation, regular maintenance of the buildings and other facilities of campus.
3. For updating the academic facility through procurement of new Laboratory equipment and purchasing consumables.
4. Purchase of books, journals, e-journal and e-books for library.

5. Organising academic activities such as seminars/workshops/STTPs for faculties and students,
6. Development of Research & Development facility.
7. To organize student activities such as cultural fest, technical fest, sports etc
8. Recurring expenditures such as electricity, internet, security and other running expenses.
9. Establishing the Centre of Excellence. Training programs for Students

File Description	Documents
Upload relevant supporting document	[View File](#)

6.4.2 - Funds / Grants received from government bodies during the year for development and maintenance of infrastructure (not covered under Criteria III and V) (INR in Lakhs)

1745

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

6.4.3 - Funds / Grants received from non-government bodies, individuals,philanthropists during the year for development and maintenance of infrastructure (not covered under Criteria III and V)(INR in Lakhs)

Nil

File Description	Documents
Upload the data template	[View File](#)
Upload relevant supporting document	[View File](#)

6.4.4 - Institution conducts internal and external financial audits regularly

Being a CFTI, SLIET, Longowal mandatorily follow and conducts both independent external audit (statutory audit) as well as internal audit. Every year, the external audit is conducted in accordance

with Generally Accepted Auditing Principles as prescribed by relevant regulatory authorities. A team of Comptroller & Audit General (CAG) of India, conduct the audit of the Institute.

The audit processes followed in the institute are defined as -

Pre Audit- For all proposal by Internal Audit Cell (IAC). To strengthen the Internal Audit Cell (IAC), institute appointed two audit officers (Retd from AG Office), through Institute of Public Auditors of India (IPAI) since 2020.

Internal Audit- By Chartered Accountant periodically (normally monthly basis)

External Audit- By Comptroller & Auditor General (CAG) of India. Special Audit of Balance Sheet (Once a Year), and Transactional Audit (Once a Year) are conducted by CAG.

The external auditors also review the status of procedural and transactional compliance in all financial transactions of SLIET, Longowal.

The audit reports are placed in the Finance Committee (FC), as well as published in Annual Report of the Institute, for laying the House of Parliament.

File Description	Documents
Upload relevant supporting document	[View File]()

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes by constantly reviewing the teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals

The IQAC at SLIET was constituted on 16th February 2013. Since then, it has been performing the following tasks on a regular basis, with a vision to streamline the quality initiatives of the institution:

1. To develop a system for conscious, consistent, and catalytic action to improve the academic and administrative performance of the institution.

2. Improvement in quality of teaching and research by regular inputs to all concerned based on feedback from stakeholders

3. Providing inputs for best practices prevailing in the institute for efficient resource utilization and better services to students and staff.

4. Providing inputs for Academic and Administrative Audit and analysis of results for improvement in areas found weak.

File Description	Documents
Upload relevant supporting document	View File

6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up action taken Confernces, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and studens Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

A. Any 5 or all of the above

File Description	Documents
Upload the data template	View File
Upload relevant supporting documment	View File

6.5.3 - Incremental improvements made for the preceding during the year with regard to quality (in case of first cycle) Post accreditation quality initiatives(second and subsequent cycles)

The IQAC is dedicated to adopting the learner-centric approach in teaching-learning progression and a periodic review on the methodology is always initiated. Institutional IQAC offers support and guidance to the faculty regarding the current pedagogical trends across the world. To achieve learning outcomes, the IQAC periodically analyses the teaching-learning process and recommends regular development, up- gradation, and addition of the necessary teaching methodology, techniques, and infrastructure.

Based on the inputs from 2nd cycle NAAC Peer Team, Institute has made several efforts to implement the curriculum and syllabus effectively (Include more interdisciplinary subjects), pedagogical change from conventional teaching- learning to modern start-of-the

art smart classroom teaching.

Few specific efforts are listed below-

To Improve Research, Sponsored Project and Consultancy –

1. Framing of policy for Consultancy (rules were framed in 2013)
2. Research Promotions (SLIET Quality Publication Awards (SQPA), SLIET Research Project Award (SRPA))
3. Seed Money and PDA for Project Work
4. Identify thrust Area- Technology for Agriculture
5. Computerization of Activities-

- ERP implemented Grievance redressal Mechanism- Implemented
- Policy for Recruitment (CAS and Direct) through formation of ACoFAR.
- Merit Promotion (SLIET Merit Scholarship (SMS))
- Strategic planning through WAR ROOM, NEP 2020 Cell and Vision Plan 2030
- Implementation of environment friendly policies

File Description	Documents
Upload relevant supporting document	[View File](#)

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

The institute is concerned about gender sensitivity and equity. Various events related with sensitization and creating awareness are organized from time to time. The same are addressed through the following:

Internal Complaint Committee (ICC): The composition of the ICC is as per the norms of UGC, which organize various programs about gender sensitivity and equity from time to time.

Safety and Security: Following are the vital parts of the drive for Safety and Security:

- Representations of female faculty/ staff in Institute administration.

- **Zero tolerance policy for gender discrimination among employees & students.**
- **Female caretakers and Wardens are deployed in Girls' hostels.**
- **Female Security Personnel are deployed at sensitive & isolated locations for safety & security of girl students.**
- **CCTV cameras are installed at in the campus and hostels.**
- **Emergency contact numbers are displayed all through the campus.**
- **Female staff deployed at the Health Centre**
- **Separate female ward and day care facility in Health Centre**
- **Fee Waiver to girls of Economically Weaker Sections**
- **Visiting counsellors who keep in touch with girls and even conduct counselling sessions in the hostels.**
- **Common room is available for boys and girls and students utilize these for common discussions during free classes.**

File Description	Documents
Upload relevant supporting document	[View File](#)
Annual gender sensitization action plan(s)	http://iqac.sliet.ac.in/files/2022/12/7.1. 1-Measures-initiated-by-the-Institution- for-th e-Promotion-of-Gender-Equity-during- the-lastfive-years.pdf
Specific facilities provided for women in terms of: a. Safety and security b. Counseling c. Common rooms d. Daycare Centre e. Any other relevant information	http://iqac.sliet.ac.in/files/2022/12/7.1. 1.pdf

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
Upload relevant supporting document	[View File](#)

7.1.3 - Describe the facilities in the Institution for the management of the following types of

degradable and non-degradable waste (within 200 words) Solid waste management Liquid waste management Biomedical waste management E-waste management Waste recycling system Hazardous chemicals and radioactive waste management

SLIET adopts environment friendly practices and takes necessary actions such as – waste management, waste recycling, energy conservation etc. Proper waste management system with separation of

wet and dry waste exists in the institute.

Solid Waste Management: Each department, hostel, residential complex, shopping complex of SLIET as well as administrative offices collect the waste and dumped in small waste bin located in the department.

In-house production of manure and Vermin-Compost - The tree leaves, plants, grass and other green waste is transported through Institute tractor by the Horticulture workers to the Isolated area in the

campus.

Liquid Waste Management - Liquid waste is managed through an open Oxidation Pond.

Bio-medical Waste Management- Biomedical waste, collected in the Health Centre is handed over to the AUTHORIZED SCRAP MERCHANT in at regular interval.

E-waste Management- E-wastes are generated from departments/laboratories, includes out of order equipment or obsolete items, which are disposed of through Notice Inviting Quotation or E-tender by the Store & Purchase department

Hazardous Chemical Waste Management- SLIET, do not generate hazardous waste and can be classified as conditionally exempted small quantity.

File Description	Documents
Upload relevant supporting document	[View File](#)

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting	A. Any 4 or all of the above

Bore well /Open well recharge Construction of tanks and bunds Waste water recycling Maintenance of water bodies and distribution system in the campus	

File Description	Documents
Upload relevant supporting document	View File

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows: 1. **Restricted entry of automobiles** 2. **Use of bicycles/ Battery-powered vehicles** 3. **Pedestrian-friendly pathways** 4. **Ban on use of plastic** 5. **Landscaping**	**A. Any 4 or All of the above**

File Description	Documents
Upload relevant supporting document	View File

7.1.6 - Quality audits on environment and energy are regularly 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: 1. **Green audit** 2. **Energy audit** 3. **Environment audit** 4. **Clean and green campus recognitions/awards** 5. **Beyond the campus environmental promotional activities**	**A. Any 4 or all of the above**

File Description	Documents
Upload relevant supporting document	View File

7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for	**A. Any 4 or all of the above**

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 reading materials, screen reading, etc.

File Description	Documents
Upload relevant supporting document	[View File]()

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)

Tolerance, integrity, cultural, linguistic, and socio-economic harmony are best achieved through the celebration of festivals, rituals and National days like Swaraswati Puja, Ganesh Puja, Durga Puja, Prakash Parv, Holi, Shivratti, Buddha Purnima, Baisakhi, Rakhi, Janmasthami, Eid al-Fitr, EId ul Zuha, Vijaya Dashmi, Diwali, Guru Nanak Jayanti, Christmas etc. The students and faculty members are consistently motivated towards the cultural and regional heritage of the Nation through the celebration of National Youth Day, Republic Day, Independence Day, Ambedkar Jayanti, Women Day, Matra Bhasha Divas, National Girl Child Day, World Environment Day, National Tree Plantation Day, National Sports Day, Independence Day, Gandhi Jayanti, Rashtriya Ekta Divas, Rashtriya Janjatiya Gaurav Divas etc.

Events like Blood donation camp, Foundation Day are celebrated that integrates students across diverse background towards National harmony and Integrity.

Events like Mock parliament drives, debate competition, extempore presentation, documentary preparation on societal issues nourishes the culture of tolerance and perseverance.

Annual Cultural and Technical Festival (Madhuram and Techfest) are organized every year. A "Universal Human Value Cell" is active in the institute. Ek Bharat Shreshtha Bharat (EBSB) an initiative of AICTE cell is also active in the institute

File Description	Documents
Upload relevant supporting document	[View File](#)

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

Adherence to the Constitutional rights and duties is maintained through several initiatives such inclusion of separate mandatory course through 'Constitution of India' & "Professional Ethics" for

all students in their semester studies.

The Induction cum Orientation Program is planned and organized for the newly admitted students with an objective to sensitize students about –

1. Academic Rules and Regulations

2. Campus Living

3. Hostel System

4. Students Club Activities, Co-curricular activities

5. Group Learning, Team Spirit

6. Training & Placement activities

7. Counselling Systems etc.

Special sessions are also planned on Sports/PT/Yoga/Meditation, Career Counselling, Professional Ethics and Motivation from internal as well as external experts.

Electoral Literacy Club is active in the institute, to arrange awareness on current issues like Electoral Reforms among students and staff.

Students are motivated to donate and help needy persons/under privileged persons. NSS/NCC unit of the institute arranges health camps, blood donation camps, Swachatha Abhiyan, literacy drives, social responsibilities awareness camps, national integration, and social harmony etc.

To sensitize students about their social obligation, Institute has adapted eight villages under UBA, the Flagship Program of GoI, Institute is working for the development of these villages. Blood donation camps are organized in the campus at frequent intervals in which students and faculty members activelyparticipate.

7.1.10 - The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic 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 Code of Conduct are organized	All of the above

File Description	Documents
Upload relevant supporting document	[View File](#)

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

Celebration of Important Events/Festivals:

Institute organizes various National and International commemorative events and festivals, and Flagship Programs of GOI with great vigor and enthusiasm. Republic Day, Independence Day, International Women's Day, World Environment Day, Teacher's Day, International Yoga Day & Samvidhan Divas/ Constitution Day, Swatch Bharat Abhiyan, Fit India Mission are practiced in the institute. Festivals such as Saraswati Puja, Ganesh Puja, Durga Puja, Prakash Parva, Vijya Dashmi, Baisakhi etc. are also celebrated.

Joint parade by boys and girls NCC cadets is the unique feature. International Day of Yoga is celebrated annually on 21st June. Yoga is regularly organized in the campus premises for strengthening physical, mental and spirituality among residents under guidance of trained Yoga and PT Teacher.

Important days related to education such as Teacher's Day, Engineers 'day and National Education Day are celebrated in the Institute. The Institute having students from different states of India, celebrates Traditional Days to promote unity in diversity

every year.

To promote the use of Raj Bhasha Hindi, Raj Bhasha Hindi Samiti play active role, Hindi Divas is celebrated every year on 14th September.

File Description	Documents
Upload relevant supporting document	[View File](#)

7.2 - Best Practices

7.2.1 - Describe one best practice successfully implemented by the Institution as per NAAC format provided in the Manual

Innovative Practices related to Academics-

1. Academic Practice to Carefully Identify Fast and Slow Learners

1. Strategic Planning for Academic Progress

ii) Motivation for Innovative Practices

2. Objectives of the Practice

1. To fetch 10th class students (with pass percentage), in main stream of technical education (ICD Program),

2. Promotion of eligible students to UG (BE) program (through LEET), and

3. Sink/Coordination with students admitted through JEE (Mains)

3. The Context

Students, getting admission, from far off places after 10th class, are not grownup enough, to face the challenges in the field of technical education.

4. The Practice

Identification of different levels of students is a challenging task, and publicly making such discrimination is fraught with dangers. Performance Monitoring through -

1. Class room performance monitoring by the Subject Teachers

2. Progress monitoring by Class Counsellors and Tutor Guardians scheme

5. Evidence of Success

A few success stories enlisted below speaks the same:

http://ct.sliet.ac.in/alumni-portal/

http://cs.sliet.ac.in/alumni/

http://ece.sliet.ac.in/distinguish-alumni/

http://fet.sliet.ac.in/alumni-success-stories/

http://mech.sliet.ac.in/alumni-portal/

6. Problems Encountered and Resources Required

Some of the problems faced by the institute by the students are –

1. It is a challenging task to channelize the energy of students studying at different levels, from different backgrounds.

2. Issues related with equivalency for competitive exams and government jobs/PSU

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)

1. To educate RURAL youth with FINANCIALLY HUMBLE and & EDUCATIONALLY disadvantageous background through Multi-Entry Multi-Exit modular pattern of education.

2. It provides formal education and training to persons from unorganized sectors and school drop-outs to acquire basic technical skill for entrepreneurship and self-employment. Provision for lateral entry is also projected. To provide job opportunities through skill development, entrepreneurship is the main focus of the Institute.

3. As an outcome of restructuring the students are now able to earn engineering degree in 6 years after 10th class (2+1+3), as compared to 7 years (2+2+3) prior to 2014. This facilitated the institute to align their program duration as per the National

Academic Structure, keeping distinctiveness and Vision of the institute i.e. to bring 10th class students with pass percentage in main stream of technical education through skill development.

4. The institute offers multi-entry and multi-exist modular pattern of education, since last three decades, which is in line with the NEP-2020. In order to fulfil national needs and the Punjab being agriculture-based state, SLIET has recently projected "Technology for Agriculture" as its one the main focus area of research.

Institutional Distinctiveness on the Institutional website

http://iqac.sliet.ac.in/files/2022/12/7.3.1-Institutional-Distinctiveness.pdf

7.3.2 - Plan of action for the next academic year
- To put more efforts for Implementation of NEP-2020   - To put efforts to improve the cocurricular and extra-curricular activities.   - Motivation to Faculty/Students for Research and Consultancy   - To arrange more workshops/trainings for faculty and staff of the Institute   - To bring academic and research reforms to further excel