



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1. Name of the Institution

St. Peter's Institute of Higher Education and Research

- Name of the Head of the institution **Dr. P. Dananjanay**
- Designation **Vice Chancellor**
- Does the institution function from its own campus? **Yes**

- Phone no./Alternate phone no. **04426558080**
- Mobile no **9840024189**
- Registered e-mail **registrar@spiher.ac.in**
- Alternate e-mail address **vc@spiher.ac.in**
- City/Town **Tonakela Camp Road, Avadi, Chennai**
- State/UT **Tamilnadu**
- Pin Code **600054**

2. Institutional status

- University **Deemed**

- Type of Institution **Co-education**

- Location **Urban**

- Name of the IQAC Co-ordinator/Director **Dr. R.Rani Hemamalini**
- Phone no./Alternate phone no **9884475450**
- Mobile **7010039893**
- IQAC e-mail address **iqac@spiher.ac.in**
- Alternate Email address **eeehod@spiher.ac.in**

3.Website address (Web link of the AQAR (Previous Academic Year)

<https://spiher.ac.in/wp-content/uploads/2021/11/AQAR-19-20.pdf>

4.Whether Academic Calendar prepared during the year?

- if yes, whether it is uploaded in the Institutional website Web link:

<https://spiher.ac.in/wp-content/uploads/2022/10/Academic-calendar-20-21.pdf>

5.Accreditation Details

| Cycle | Grade | CGPA | Year of Accreditation | Validity from | Validity to |
|----------------|----------|-------------|-----------------------|-------------------|-------------------|
| Cycle 1 | B | 2.53 | 2015 | 16/11/2015 | 15/11/2020 |

6.Date of Establishment of IQAC

27/09/2013

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

4

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

- If yes, mention the amount **10000**

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

*IQAC imparts quality education to the society for their diverse needs and fostering global competence among them by introducing various vocational programmes. *IQAC promotes research culture and faculty empowerment by organizing workshops, seminars and conferences to promote professional development. *To emphasize quality in the department by assigning categorical targets and monitoring periodically semester - wise. *IQAC reconstituted different cells and centers for the institution to improvise/motivate the performance of the faculty. *Industry offered courses through MOUs are imparted by IQAC for the enhanced quality revision of Syllabi and curriculum.

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 |
|---|--|
| Induction Programme for Faculty & Students | <ul style="list-style-type: none"> • IIC Meeting on NEP 2020 was organized by IIC, SPIHER on Oct 31, 2020 • St.Peters Induction Program - 2020 was conducted by SPIHER on Nov 11, 2020 10:30 AM Guest Speaker : Mr. UDAYA SANKAR Lead- South India, NASSCOM Co- Founder, Maatram Foundation, Chennai • ICT program "Get set Go" for all the students was conducted by ICT Academy for SPIHER students on 25th March, 2021 • WEDP Sponsored by EDII Ahmedabad was organized by MBA Department from April 26th to May 25th 2021 • Aspiring Entrepreneurship Program from HDFC Bank supported by ICT ACADEMY for SPIHER students on 12th June, 2021 |
| Research & Development initiatives | <ul style="list-style-type: none"> • Online National Seminar on "RESEARCH SCOPES IN COEVAL STREAMS OF MECHANICAL ENGINEERING" was organized by Mechanical Department on 23rd to 29th November 2020 |
| Outreach Programmes | <ul style="list-style-type: none"> • PUBLIC AWARENESS WORKSHOP on SOLID WASTE MANAGEMENT Supported by Tamil Nadu State Council for Science and Technology (TNSCST) Govt. of Tamil Nadu, Chennai.& National Council for Science & Technology Communication (NCSTC) Govt. of India, New Delhi. (Under Popularization of Science Activities) was organized by Department of Mechanical Engineering on 10th December 2020@Mechanical Engg. Seminar Hall • Resource Persons Dr. A. GNANAMANI M.Sc. Ph.D. Sr. Principal Scientist, Head & Professor - AcSIR, Microbiology |

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|---|---|
| | <p>Lab CSIRCentral Leather Research Institute Adyar, Chennai Mr. R. NAVEENKUMAR M.TechMBA., (Ph.D.) Research Associate, ARMATS Biotek Training & Research Institute, Chennai. • Workshop on Social Entrepreneurship and implementation of business plans by</p> |
| <p>Faculty Development initiatives</p> | <ul style="list-style-type: none"> • The Faculty Development Programme on 'Curriculum, Pedagogy, Evaluation and Research for Higher Education Institutions' was organized by IQAC for all the Teaching Faculty from 28th September to 14th October, 2020 |
| <p>Quality Initiative for Faculty</p> | <ul style="list-style-type: none"> • ONLINE SAFETY FOR WOMEN by MR. RAKSHIT TANDON Director/Co-founder Hackdev Technology Pvt. Ltd, Cyber Security Consultant, IAMAI and Advisory - Cyber Crime Cell (State Police) was organized by Women Empowerment Cell, SPIHER on 6th November 2020 |
| <p>Students capacity Development initiatives</p> | <ul style="list-style-type: none"> • First Ever Online Cultural Fest PASSION 2020, Speakers Mr. Prem John, Musician, Thiru. Snehan, Lyricist was conducted by Departments of CSE & IT on Saturday, 31st October 2020 • "Exponderz 2020" – National level Student's Symposium 2020 was organized by Departments of ECE, BME and EEE on 11th November 2020 • NATIONAL WEBINAR ON Employability Skills, Need of the hour by Dr V. Chandrasekaran, senior operations officer, Indian Airforce was organized by Placement Cell on Nov 27th 2020 • 3i Cell webinar- ESCALATE TO BE INDUSTRY READY was organized |

by Mech dept., on Nov 7, 2020 •
LIVE WEBINAR ON Python Programming by Mr.Dinesh Kumar Technical Mentor, NIIIT Limited, Chennai was organized by CSA Department on 9th Jan 2021 •
Webinar on " How to make the best use of our life" organized by IQAC, SPIHER by Hon. Speaker: Dr. Chinmay Pandya Ji, Pro Vice Chancellor, Dev Sanskriti Vishwa Vidyalaya, Shantikunj, Haridwar on Feb 6, 2021 (Saturday) Time: 07:00 - 08:10 PM (Evening) •
Webinar on "NAVIGATION SCIENCE -DIMENSIONS & APPLICATIONS" by Dr . KANTA PRASAD SHARMA Assistant Professor University Institute of Computing (UIC) Chandigarh University was organized by Chemistry Dept. on February 27 , 2021 at 11.00am •
Webinar on 3AI-AI Analytic association By A.S Mani,General manager, Institutional Relations,,Miles Education private Ltd., was organized by Departments of CSE&IT on 12th April 2021 • Intercollegiate Symposium,

Conferences,workshops

- International e-conference on Recent trends and technologies in soft computing was conducted by Department of Computer Science and Applications on 28th & 29th September 2020. •
- National E-Conference on "SUSTAINABLE CHANGING SCENARIO OF BUSINESS AND ECONOMIC ENVIRONMENT" was conducted by SCHOOL OF COMMERCE, MANAGEMENT STUDIES AND ECONOMICS on 09th NOV, 2020. • ONLINE WORKSHOP ON "CONCRETE DURABILITY & ADMIXTURES" by Mr.G.A.B.Suresh -

AGM-R&D, Ramco Cements, Mineral and Chemical Admixtures by Mr.P.Senthamil Selvan - Manager R&D, Ramco Cements was conducted by Civil Dept., on November 2, 2020 • International Virtual Conference on CHEMICAL AND ENVIRONMENTAL SCIENCES (ICCES-2020) was organized by Chemistry department on November 11-12, 2020 • VIRTUAL GUEST LECTURE ON M- COMMERCE, (New normal consumer shopping Experience, GUEST SPEAKER, DR. T. SHIRLEY DEVAKIRUBAI, Asst. Prof., Department of Commerce, Madras Christian College was organized by DEPARTMENT OF COMMERCE (CORPORATE SECRETARYSHIP AND BANK MANAGEMENT) on November 12th, 2020 • Online Workshop on Standardization of Clash Detection in Bim Speaker Mr.Magendiran.C, Project Engineer CADD INDIA R&D, CHENNAI was organized by Civil Dept., on 23rd March, 2021 • International e-conference on futuristic trends in Mechanical, Materials and Manufacturing, 2021 (ICMMM2021) was organized by Mech Dept. on 10th May 2021 • Seventh International e-Conference on Green Technologies for Power Generation, Communication and Health care (ICGPC 2021) was organized by Dept. Of ECE,EEE & BME on 6th June, 2021

National day Celebrations

- NSS-National Unity Day -Pledge Administering Meeting was organized by NSS, SPIHER on Oct 31, 2020 11:30 AM • Quiz Competition was conducted by MBA Dept to bring awareness on

VIGILANCE AWARENESS WEEK 2020, from 27th OCT - 02nd NOV, 2020 • Debate Competition was conducted by CSA Dept to bring awareness on VIGILANCE AWARENESS WEEK 2020, from 27th OCT - 02nd NOV, 2020 • Quiz Competition was conducted by CSA Dept., in commemoration of NATIONAL UNITY DAY on 2nd November 2020 • Poster Competition was conducted by Commerce Dept., in commemoration of NATIONAL UNITY DAY on 2nd November 2020. • Constitution Day Celebrations was organized by SPIHER on Nov 26, 2020 11:00 AM • Webinar on ROLE OF YOUTH IN SHAPING INDIA'S FUTURE - TEACHING OF SWAMI VIVEKANANDA for the Youth by the Youth DR. Leo Akash Raj Founder of Pretty Lil' Hearts(NGO) Formerly CEO of LeSa Tech Academy Chairman of Kaveez Groups Director of Infinifind MultiEdu Services Pvt Ltd., was organized by Chemistry Dept. on 12th January, 2021 •

Alumni Webinar Series

Alumni Webinar series was organized by Department of Electronics and Communication Engineering from Nov 2nd to Nov 7th , 2020 @ 4pm to 5pm. Alumni Speakers are • Antony Prakash Doin? Ph.D in IIT BOMBAY Education Technolo?y Teachin? Assistantship Batch : 2011-2013 Sayandeep Das Internal Audit.AIG Junior Mana?er Batch : 2011-2015 Nov 4th, 2020 Nov 5th, 2020 Nov 2nd, 2020 • Susmitha Srinivasalu Power Factors, Montreal So?ftware Developer Batch : 2012-2016 Nov 3rd, 2020 • Sayandeep Das Internal Audit.AIG Junior

| | |
|---------------|---|
| | <p>Manager Batch : 2011-2015 Nov 4th, 2020 • S.Vijay Vignesh COMCAST INDIA Sr.Firewall</p> <p>Engineer Batch : 2014-2016 A. Antony Prakash Doin? Ph.D in IIT BOMBAY Education Technolo?y</p> <p>Teachin? Assistantship Batch : 2011-2013, Nov 5th, 2020 • Lakshmi Venkataraman BM India Pvt Ltd. Technical Architect</p> <p>Batch : 2007-2011 Nov 6th, 2020 • Tamizharasi Arulselvan, Ltd</p> <p>Foodcoop Co., Ltd Group Finance</p> <p>Manager Batch : 2011-2015 Nov 7th, 2020 Alumni Webinar series was organized by Department of Physics on November 30th, 2020 @ 10.00 am to 12.00 pm Alumni</p> <p>Speakers are • Mr. E. V. Sidhardhan Research Scholar</p> <p>Department of Physics</p> <p>Pachaiyappa's College Chennai • Mr. R. Balaji, UPSC Aspirant, Vetrii IAS Study Circle, Annanagar West • Ms. G. Naganandhini Executive Officer</p> <p>Ambit IT Park Ambattur</p> <p>Industrial Estate • Mr. V. Ajith kumar TNPSC Aspirant Race Institutions T.Nagar • Ms. G. Monika PGT Teacher Mahalashmi Matric. Hr. Sec. School</p> <p>Paruthipattu Avadi</p> |
| IQAC Meetings | Meetings were conducted once in every three months. |

13.Whether the AQAR was placed before statutory body?

- Name of the statutory body

| Name | Date of meeting(s) |
|---------------------|--------------------|
| Board of Management | 21/12/2022 |

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 | St.Peter's Institute of Higher Education and Research |
| • Name of the Head of the institution | Dr.P. Dananjayan |
| • Designation | Vice Chancellor |
| • Does the institution function from its own campus? | Yes |
| • Phone no./Alternate phone no. | 04426558080 |
| • Mobile no | 9840024189 |
| • Registered e-mail | registrar@spiher.ac.in |
| • Alternate e-mail address | vc@spiher.ac.in |
| • City/Town | Tonakela Camp Road, Avadi, Chennai |
| • State/UT | Tamilnadu |
| • Pin Code | 600054 |

2.Institutional status

| | |
|--|------------------------------|
| • University | Deemed |
| • Type of Institution | Co-education |
| • Location | Urban |
| • Name of the IQAC Co-ordinator/Director | Dr. R.Rani Hemamalini |
| • Phone no./Alternate phone no | 9884475450 |
| • Mobile | 7010039893 |

| | |
|--|---|
| • IQAC e-mail address | iqac@spiher.ac.in |
| • Alternate Email address | eeehod@spiher.ac.in |
| 3. Website address (Web link of the AQAR (Previous Academic Year) | https://spiher.ac.in/wp-content/uploads/2021/11/AQAR-19-20.pdf |
| 4. Whether Academic Calendar prepared during the year? | Yes |
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[View File](#)**9. No. of IQAC meetings held during the year****4**

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| IQAC Meetings | Meetings were conducted once in every three months. |
| 13.Whether the AQAR was placed before statutory body? | Yes |
| • Name of the statutory body | |
| Name | Date of meeting(s) |
| Board of Management | 21/12/2022 |
| 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 | |
| Year | Date of Submission |
| 2021 | 22/03/2022 |

16.Multidisciplinary / interdisciplinary

Education is basically multidisciplinary/Interdisciplinary nature. Practically there is no unidisciplinary studies. Traditionally also, all programmes of study are Interdisciplinary/multidisciplinary in engineering and technology and arts, science, humanities, commerce and business studies.

With new perception in New Education policy, the boards of studies and academic council encourage students to make use of the provision of choice to opt for multidisciplinary subjects. As such each board of studies gives a list of open electives for the choice of students of other departments. The afternoon timetable is meant for open elective classes. The list of open electives is added with new subjects as we progress with the experiment in new departments also.

17.Academic bank of credits (ABC):

Academic Bank of Credits is a facility for the students of higher education in choosing a few subjects in a HEI and move to another HEI and so on to accumulate credits in various subjects of choice as we save money in a bank and submit them for a degree or diploma or academic qualification 'working on the principle of multiple entry-multiple exit as well as as any-time, any-where, and any-level learning'. This had been facilitated by UGC in its Regulations, July 2021, had been adopted by the Academic Council at its meeting held on 23/12/21 and had been approved by the Board of Management at its meeting held on 30/12/2021

As a follow up, the institute has registered itself on ABC(www.abc.in). A circular has also been issued to all functionaries and students to make use of the ABC system for successful implementation.

The academics have also been oriented for implementation of the ABC Scheme. Nodal officers have been nominated. All the necessary informations are made available in the Institute website.

18.Skill development:

Skill Development is the most essential phenomena to enhance the socio-economic growth of not only an individual but also of the entire nation. The higher education of this era faces several challenges in providing skill-centric learning, meeting the needs of the industry and society in the global platform. To confront such challenges, our SPIHER established Centre for Skill

Development in collaboration with NSDC, PMKVY MSME, TBI, IBM, RedHat, TCS-ion, TEXAS Instruments and ICT Academy which aims to upgrade skills with the state of art technologies through significant industry participation and develop necessary frameworks of standards for quality assurance. Along with the outstanding academic learning, students in our institution are practically oriented with the different skill sets, bridging the gap between the academics and the industrial, societal needs. To improve the employability, to promote entrepreneurship skills various training programmes like welding, Electrician, Plumbing, Lab Technician are also conducted. . To work towards improvements in all spheres of professional, technical, and other continuing education and training services and skills development to attain enhanced standards at all levels among its applicable stakeholders. Skill Development Cell has been entrusted the responsibility to train youth by providing them skills needed in all spheres of life.

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

Education in HEIs includes preservation of accumulated knowledge and culture and transmits them to the next generation. In all disciplines of study, their history of development, present status and further exploration in terms of development and application in real life. It is felt that promotion of Indian arts, culture and languages is important not only for the nation , but also for the individual. In that sense, the first degree programme has been formulated to include teaching of more languages, such as Tamil, Telugu and Hindi as optional subjects. Further, arts and visual communication and architecture are included in the curriculum. They are also available online. Technology is used to make the curriculum more lively and effective. In the coming years, more online information and teaching will be provided to all student as non-credit course to imbibe traditional knowledge.

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

OBE has been adopted in all UG and PG programmes of engineering, technology, architecture, arts and sciences, and management studies and is reviewed during the meetings of the boards of studies. Curriculum has been designed considering various components of subjects such as humanities, science courses, management courses, basic science courses, engineering science

courses, professional core courses, elective courses relevant to chosen specialization branch, open subjects, project work, seminars and internship in industries and mandatory courses such as Induction program. The learning outcome-based approach ensures that the learning outcomes are identified and considered during the formulation of the course. Course contents, learning activities and assessment types have been defined to cater to desired learning outcomes. The learning outcomes considered are knowledge, professional attitude, work ethics, critical thinking, self-learning, adaptability, problem solving skills, communication skills, interpersonal skills and group tasks. Assessment is being carried out at the end of the programmes to determine whether the desired outcomes are achieved. This outcome assessment provides feedback to ensure that element in the teaching and learning environment are in line with the desired outcomes. Based on the expected learning outcomes graduate attributes, programme outcomes, programme specific outcomes and course outcomes have been formulated.

21.Distance education/online education:

The campus provides Wi-Fi facility round the clock to the students, faculty members and staff. All the faculty members are well trained to use ICT tools such as Smart boards, LCD Projectors, Video lectures, A-view, Google quiz, etc. for class room teaching and ICT enabled tools like Google classroom, Kahoot, Plickers etc for handling online classes. These have been particularly useful during the current lock down period where several online courses have been conducted by the faculty. E-Learning centre helps the teachers in developing e-content in different subjects. Students are encouraged to opt for digital learning using SWAYAM, NPTEL, MOOC, and TCSiON courses with credit transfer facility as elective subjects. Students are allowed take at least one course per semester through digital learning as per course curriculum. The faculty members also prepare video lectures in the special recording room and upload in the Institute website for the students to learn. Students watch the various educational programs through SWAYAM PRABHA facility. The Institute has membership in National Digital Library (NDL). Modern methods of teaching learning using flip and blended learning are also used by faculty. The students respond positively to all these endeavours and find them beneficial in learning

Extended Profile

1.Programme

| | |
|---|-----------|
| 1.1 | 45 |
| Number of programmes offered during the year: | |

| | |
|--|-----------|
| 1.2 | 21 |
| Number of departments offering academic programmes | |

2.Student

| | |
|---|-------------|
| 2.1 | 2931 |
| Number of students during the year | |
| 2.2 | 1075 |
| Number of outgoing / final year students during the year: | |
| 2.3 | 2931 |
| Number of students appeared in the University examination during the year | |
| 2.4 | 7 |
| Number of revaluation applications during the year | |

3.Academic

| | |
|---|-------------|
| 3.1 | 1199 |
| Number of courses in all Programmes during the year | |
| 3.2 | 239 |
| Number of full time teachers during the year | |
| 3.3 | 239 |
| Number of sanctioned posts during the year | |

4.Institution

| | |
|--|-------------|
| 4.1 | 2029 |
| Number of eligible applications received for admissions to all the | |

| | |
|--|------|
| Programmes during the year | |
| 4.2 | 1870 |
| Number of seats earmarked for reserved category as per GOI/ State Govt. rule during the year | |
| 4.3 | 96 |
| Total number of classrooms and seminar halls | |
| 4.4 | 731 |
| Total number of computers in the campus for academic purpose | |
| 4.5 | 535 |
| Total expenditure excluding salary during the year (INR in lakhs) | |

Part B

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

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

In accordance with the institutional goals and objectives, the curricula and syllabi are revised every three to four years for both the undergraduate and postgraduate courses. The process of designing the curricula is done by involving the experts from academia and industry; taking into account the feedback obtained from various stakeholders of the institution such as students, alumni, parents, employers and faculty members. The inputs of faculty members based on the structured feedback obtained on syllabus are taken up for discussion in the Board of studies and placed before Academic council for discussion and approval from the Board of Management. Curriculum of the various programmes has been designed on the lines of the AICTE model curriculum and other statutory bodies as well as higher learning institutions from India and abroad. Courses relevant to Gender, Professional Ethics and Human Values as suggested by the statutory bodies have been integrated in relevant programmes for holistic development in character and personality of students. Foreign language courses like German, Japanese and French are also being taught to facilitate the removal of the language barrier for students. In order to encourage interdisciplinary learning, it is mandatory to

study two open elective courses. Students are encouraged to take online courses based on their interest.

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

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

41

| 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

1202

| 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

422

| 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**40**

| 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

In order to integrate the cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics, SPIHER has imbibed different types of courses in the curriculum, while some enhance professional competencies others aim to inculcate general competencies like social & ethical values, human values, environment sensitivity etc., thereby leading to the holistic development of students. Further SPIHER believes and promotes gender equality through its curriculum which highlights the ethnicity of society and its development through women achievers in texts as well as in the examples being used during classes. SPIHER offers specific courses in environmental studies to describe various concepts of environment namely; pollution, biodiversity and sustainable development. . Values and ethics are a part of disciplinary courses as well . Ethics in Research is taught as well as practiced in all disciplines. Festivals of all religions are celebrated together depicting our unity in diversity

The name of the courses and their relevance to the crosscutting issues have been listed below:

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

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

43

| 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**

2663

| 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

2649

| 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****1914**

| 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****977**

| 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 students and organises special Programmes for advanced learners and slow learners**

The Institute assesses the learning levels of the students based on the qualifying examination and entrance examination and organizes Induction programme for the first year Engineering students as per AICTE guidelines, Orientation programme and bridge courses. Orientation programmes are conducted for the students who join the arts stream.

Slow learners and advanced learners are classified based on the marks in the qualifying examination and in the internal assessment tests and end semester examinations. Advanced learners are

encouraged to showcase their programming and technical skills, to participate in Inter-Institutional competitions, present papers in Conferences and publish technical papers in good indexed journals. Seminar topics on recent technology advancements are given to advanced learners.

The slow learners along with remedial classes are asked to prepare assignments on topics in class hours and prepare answers for question banks given by the faculty members to understand the concepts better.

The Institute has Technology Business Incubator sponsored by DST and MSME Business Incubator which offers training programmes for advanced learners as a guidance to start their own industry or get placements. Training is also given for advanced learners in the areas of quantitative, aptitude and communication skills to improve their placement opportunities.

| File Description | Documents |
|-------------------------------------|---|
| Upload relevant supporting document | View File |
| Link For Additional Information | https://spiher.ac.in/wp-content/uploads/2020/09/1-Advanced-and-Slow-Learners.pdf |

2.2.2 - Student - Full time teacher ratio during the year

| Number of Students | Number of Teachers |
|--------------------|--------------------|
| 2931 | 257 |

| 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

SPIHER believes in the adoption of student's centric methods to enhance student involvement as a part of experiential learning, participative learning and problem-solving methodology. The

curriculum is framed with the inputs from external academia and industry experts which make the students ready for current industrial needs

The Institute has adopted CBCS(Choice based Credit system) in all of its programmes. CBCS allows students to choose inter-disciplinary, intra-disciplinary courses, employability and skill-oriented courses and provide more flexibility for the students in learning.

Industry designed and offered courses from IBM, TCS ion, Texas Instruments, Skill Lync, K7 Academy and online courses such as SWAYAM and MOOC with academic credits can also be opted by the students. Add on Courses and Value-Added Courses are also offered to the students in emerging areas.

MoU's have been signed with different Industries and Government organizations to help the students get good exposure to the current industrial trends through on-site visits, internship and inplant training etc. Students have the option of learning German and Japanese languages apart from taking up English Assessment through BEC. Soft skills training for students are provided throughout the year which helps in improving their communication skills to face the societal and industrial needs.

| 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

Information Communication Technology (ICT) is the catalyst for change in teaching methods, learning and scientific research. A Centre for Digital Learning helps in monitoring the utilization of ICT tools . Video lectures prepared by teachers are shown to the students and are also uploaded in the Learning Management system. The cell helps in promoting the proper use of online resources such as SWAYAM, NPTEL, MOOC etc.

Interactive Smart boards, LCD Projectors, Video Conferencing, A-view, Google quiz and ICT enabled tools such as Google classroom, Kahoot, Plickers, Zoom meet, Google meet etc are used for handling online classes. The interest of the students in the teaching

learning process has improved significantly with the use of ICT enabled tools.

Several initiatives of UGC, MHRD, IUC's and INFLIBNET have been implemented for the benefit of the faculty and students. The Institute has membership in National Digital Library (NDL). Around 245 theses have been uploaded in SHODHGANGA. The faculty members have been encouraged to register in VIDWAN.

The campus is Wi-Fi enabled with an internet connectivity of 1 Gbps provided by MHRD under NME-ICT programme through National Knowledge Network (NKN) and BSNL offering round the clock internet services to students, faculty members and staff.

| 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

197

| 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

239

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

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

85

| 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****793**

| 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**18**

| 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****12****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****12**

| 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

7

| 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

The system provides transparency with a wide range of activities to give assured quality and time-bound services to stake holders.

The main features of examination reforms include the introduction of semester system from the inception of the institution with credit and grading system, setting question papers on the basis of Blooms taxonomy of education, analysis of question papers, analysis of end semester assessment marks with continuous assessment marks, reviewing the components of internal assessment, analysing the students' attendance with their performance in continuous internal assessment and end semester assessment.

An automated software is used to process the entire examination work. Automation has enabled the entry of the continuous internal assessment marks immediately on the completion of the tests by the concerned faculty. Hall Tickets enable identification of students. Optical Mark Reader had been introduced for processing the results of end semester examination. Students can access their marks on the web portal immediately on declaration of results and can apply for revaluation/ rechecking.

Security features are incorporated to endure highest level of security in Statements of Marks and Grades and Consolidated Marks Sheets. Integration of IT and reforms in the examination procedures have resulted in an effective and transparent system.

| 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

| 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

Based on the input from all the stakeholders, the statements of program outcomes (PO)/ graduate attributes and program specific outcomes (PSO) of a given program have been drafted by the department. The course coordinators ensure that the course learning outcomes are consistent with POs/PSOs. The course outcome (CO) statements are defined by considering the course content covered in each module of a course. It is discussed in the respective Board of Studies (BoS) and recommended to Academic Council of the Institute for approval and the POs, PSOs and COs become operational.

Integration of Assessment Process

Assessment processes is carried out by the institution to identify, collect and prepare data for evaluating the achievement of Course Outcomes, Program Outcomes and Program Specific Outcomes.

Program outcomes and Program Specific outcomes are assessed with the help of course outcomes of relevant courses through direct and indirect methods. Indirect method is done through surveys and interviews.

Publicizing and dissemination of POs/PSOs and COs

POs and PSOs are informed to the newly joined students and faculty at the beginning of every academic year, during the orientation/induction program, along with the vision and mission of the departments and the Institute.

| 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

Program outcomes and Program Specific outcomes are assessed through course outcomes of the relevant courses through direct and indirect methods. The knowledge and skills described by the course outcomes are mapped to specific problems on End semester examinations, Continuous Internal Assessment, and assignments.

Assessment Methods for CO attainment

Rubrics are used for both formative and summative assessment of students and shared with students.

Following tables show the various methods used in assessment process that periodically documents and demonstrates the degree to which the Course Outcomes are attained.

Assessment Methods for PO and PSO attainment

The assessment method for PO/PSO attainment is shown in figure.

Indirect assessment strategies are implemented by embedding them in Student Exit Survey, Employer Survey and Alumni Survey. Average of the above surveys is the average attainment.

The following scoring function is used to calculate the average attainment of each PO.

$$\text{PO /PSO Attainment (\%)} = (\text{weightage 80\%}) \times (\text{Average attainment in direct method}) + (\text{weightage20\%}) \times (\text{Average attainment in indirect method})$$

Tools such as Student exit survey, Alumni survey and Employer survey are used for assessment of POs/PSOs as shown in Table 2.

From the above table, Attainments are obtained by assessing every POs/PSOs.

| 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

928

| 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)

<https://spiher.ac.in/wp-content/uploads/2022/10/SPIHER-Chennai-Students-Satisfaction-Survey-20-21-1.pdf>

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

A willed endeavour of Creating, Grooming, Proliferating and Sustaining a web of "Radiant Research Culture, 'Resilient Innovation Eco-system and 'Robust Entrepreneurial Mindset' is foremost amongst the priorities of the Higher Education Policy of the St. Peter's Institute of Higher Education and Research (SPIHER). Reputation of any Higher Education institution depends vastly on the 'intellectual scholarship and research productivity', 'creativity caliber and innovation outcome', and 'venture creation and entrepreneurship promotion'. These domains of conventional, compulsive and contemporary pursuits of the SPIHER can best happen, grow and fructify with / through an

appropriate forward-looking Research Promotion Policy. The success of a Higher Education Institution in attaining its objectives is greatly contingent upon the alignment of faculty members and the relevant stakeholders with all the above domains and related pursuits of research initiatives, being undertaken at SPIHER. The Research Promotion Policy of the SPIHER aims to help its faculty members, research personnel and other stakeholders achieve the excellence in 'Research, Innovation and Entrepreneurship' contributing to institutional and societal uplift.

| 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)

1200000

| 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

17

| 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

11

| 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

6

| | |
|-------------------------------------|---------------------------|
| 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)

500000

| | |
|-------------------------------------|---------------------------|
| 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)

0

| | |
|-------------------------------------|-------------------------|
| File Description | Documents |
| Upload the data template | No File Uploaded |
| Upload relevant supporting document | No File Uploaded |

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

3

| 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

The institution instils, promotes and inculcates the spirit of innovation and unquenchable thirst for knowledge in the young minds through academic, research and extension activities. The main objective of the Eco-System for innovation is to promote creativity and innovation among students, Faculty members and facilitate development of innovative systems, processes, products, technologies and services for the benefit of the society. It serves to connect all the stakeholders of innovation including students, researchers, faculty members, entrepreneurs, business development and other technical service providers, providers of skills training and professional development and IPR support. The ecosystem enables stakeholders to interact effectively to maximize the economic impact and potential of their research and innovation. It is dynamic and flexible, allowing new entrants to become part of the ecosystem with minimal entry barriers.

| 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

34

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

34

| | |
|-------------------------------------|---------------------------|
| 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

17

| | |
|-------------------------------------|---------------------------|
| 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 | A. All of the above |
| <ol style="list-style-type: none"> 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 | |

| | |
|-------------------------------------|---------------------------|
| 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****16**

| 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****34**

| 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**112**

| 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**

36

| 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 |
| 564 | 234 |

| 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 |
| 13 | 8 |

| 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

Consultancies provide enrichment of the experience and knowledge through interacting in the professional sphere. The Academia also get a chance of experimenting under actual service conditions. Consultancy also provides an opportunity to students to visualize the sphere of their chosen profession. It provides financial return (small or large) to St. Peter's Institute of Higher Education and Research, the faculty and the students. The faculty members of the Department are permitted to engage themselves in Consultancy practice to such extent, which does not interfere with the discharge of their routine duties. Policies: Any Consultancy work, whether carried out by an individual or a group of faculty members and irrespective of the quantum of facilities of the Department availed, should be carried out through Knowledge Transfer Centre. The Knowledge Transfer Centre is a place where Department faculty members, students and department alumni's work in a collaborative environment to provide knowledge solutions and services to the Society. Centre offers expertise and a host of specialized facilities which can be used by academia and industry and is of mutual benefit.

| 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)

10.156

| 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

The Institute has made its noteworthy contribution to the society and environment by making a participation to promote Institution-Neighbourhood-Community network. Major emphasis is given on student engagement, service orientation and holistic development of students contributing to good citizenship. SPIHER provides platform in the form of organizing regional and national level workshops, seminars, conferences and symposia in various disciplines. For example, workshop camps for training in Fresco painting are annually held during summers on campus wherein very eminent painters also participate. The Extension activities are carried out through NSS Wing, Special initiatives by the Institute and departments. Institute has registered NSS unit, which takes the responsibility of organising community based activities such as

- ? Tree Plantation
- ? Cleanliness and eye checkup campaign in local villages
- ? Road shows highlighting National Integration
- ? Lake, campus cleaning
- ? Awareness programs on government welfare schemes like Swacch Bharat, Drug abuse, Road safety, Gender issues etc ? Visit to orphanages home
- ? Matdanjagratiabhiyan in the nearby villages.

| 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

10

| 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)

39

| 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

2184

| 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

64

| 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

9

| 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.

Infrastructure facilities adhere to the requirements and norms of regulatory bodies with a sprawling campus of 32.26 acres and built up area of about 20000sq-m, four blocks with air conditioned seminar halls seating 300 , Drawing Halls for Engineering students, spacious studios for Architecture, 50 laboratories and 4 Research Labs with high end equipments and machinery, two conference rooms, a mini-seminar hall and 92 Class rooms, laboratories, equipped with ICT in line with digital learning environment and good teaching learning atmosphere.

Teaching Learning process is strengthened by excellent Library facilities, the Material Museum, Art Gallery, industry connected laboratories like IBM Software laboratory in Emerging Technologies in association with TEXAS Instruments for Robotics and IOT technologies and Automotive Electronics and Electric Vehicle design laboratory in association with Expert Hub

Centres of Excellence like Centre for Nano Technology, Centre for Disaster Management and Sophisticated Analytical Instrumentation Facility Lab costing 100 Lakhs promote research, supported by computer centres and labs with 855 systems of advanced

configurations, and 1Gbps, BSNL, NKN leased line internet services.

Technology Business Incubator supported by the Department of Science and Technology and SPIHER-MSME Business Incubator sponsored by the Ministry of MSME promote the innovative and entrepreneurial abilities of the students.

| 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.)

Co-curricular activities in tandem with regular academics, through Participation in sports, games, music, yoga and other skills help the students to keep themselves healthy, mentally and physically fit

Cultural activities

Cultural activities are promoted and musical instruments are provided to students to harness their traditional cultural skills by providing them with Halls (260 sq-m each) for practice.

Sports and Games

The Institute has three playgrounds in the campus besides auditorium and other rooms for indoor games with required facilities and active MoU with Digo Badminton Academy to promote Badminton Courts.

Sports/ Indoor/ Outdoor Games/ Gym/ Cultural Activities/ Yoga

Number of Courts

Size

Meters

Volleyball

1

18x9

Basketball

1

25x15

Ball-Badminton

1

24x12

Throw ball

1

18x9

Cricket grounds

1

Radius 83

Football

1

120x90

Multi Gym(Modular Gym)

1

300

Table Tennis

1

80

Carrom

1

80

Chess

1

80

200M Standard Track-field

1

25x1.22

Gymnasium

The Institute has a well-established gymnasium spread over 300 sq-m with all fitness facilities besides one (75sq-m) in Boys Hostel

Yoga Centre

Yoga awareness programmes are regularly organized in the yoga hall depending on the number of participants and celebration of International Yoga day every year.

Auditorium

There is a huge auditorium (1500 sq-m) with a seating capacity of 2500 people

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload relevant supporting document | View File |

4.1.3 - Availability of general campus facilities and overall ambience

The atmosphere of the campus is environment and disabled friendly, well laid internal roads pavements with solar street lights, ramps and lifts for the benefit of the differently abled persons and Fire extinguishers in important laboratories and strategic locations.

Two Canteens with a seating capacity of 500 and a food court, RO plant of 2000 litres/hour capacity are available with Water coolers in every floor. A primary health centre with a male and a female doctor, 2 nursing assistants, an ambulance to transport the

patient during an emergency and Indian Bank with ATM exist.

Institute has its own transport facility with 16 buses, one mini bus and seven light motor vehicles, Separate water tanker for supplying potable drinking water, Sewage treatment plant, Four-wheeler and two-wheeler parking with adequate space for vehicles of inmates and visitors

Amenities block includes 44 rooms with attached toilets and Staff quarters with 2 and 3 bedrooms, hostels for boys and girls of 35000 sq-m with 197 rooms and 160 rooms for about 800 students with facilities

The entire campus is connected to four diesel generators with a 320 KVA generator and 3 numbers of 125KVA generators. Institute has a cleaneco friendly green atmosphere vis-à-vis a metro life style

| 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)

17.76

| 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

The Institute has Central, P.G. and Digital Library of 2100 Sq.m with seating capacity of 150 open during the week days from 8am-8pm besides department libraries,

Library has excellent computing infrastructure including hardware with networking equipment, robust software fully computerized with AUTOLIB V5.1 year of automation being 2000. OPAC facilities have the features such as fast book identifier, location identification of the books, displays all available books of an author and

borrower's status etc.

The library has rich collection of more than 91,325 volume of books, journals, thesis, back volumes and non-book materials etc. It has 10827 e-Books collections from DELNET, NDL, World e-Books Library, and Rare Book Society of India.

The Institute has subscribed to various e-journals, 298 from IEEE, ASME, ASCE and 1897 from DELNET. In addition, the Library has Institutional membership with INFLIBNET, e-Shodh Sindhu, Shodh Ganga, British Council, American Library, CSIR-SERC Library that provide enhanced access to online resources.

The Digital Library with a wide range of services for learners has 50 computers with access to subscribed e-resources like Databases, e-journals and e-books. Software like Grammarly, INFED etc and Ezproxy help the users to have local and remote access to the library resources on a 24/7 basis and Remote access to the library is also available through the ERP portal

| | |
|-------------------------------------|---------------------------|
| 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)

11.27

| | |
|-------------------------------------|---------------------------|
| 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)

250

| 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**

96

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
| 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

The Institution has an IT policy to maintain, secure and ensure legal and appropriate use of IT infrastructure in the campus. This policy establishes institution-wide strategies and responsibilities for protecting S/W installation, website, responsibilities of Internet usage, guidelines for hosting webpages on Intranet/Internet etc. All the proprietary software used are licensed and free open source softwares are used for teaching learning purposes.

The Institute has adequate computers with structured connectivity as per the regulations of the statutory body. The campus has well designed structured LAN, CAT6 connectivity. Internet connectivity is being leveraged by appropriate L3 Switch, Juniper Router etc, and also protected by firewall to scotch malicious browsing and threats. The campus is wi-fi enabled with a leased line 1Gbps internet connectivity.

All the computers and networking equipment are protected by adequate uninterrupted regulated power supplies to surmount fluctuations and unprecedented power cut problems with 1hour back-up.

The administration team headed by a System Administrator monitors the system status and upgradations of HW/SWAll systems are inspected periodically to protect them from phishing attacks.

Maintenance of website, frequent uploading and purging of contents, maintaining social media like FACEBOOK, INSTAGRAM, LINKEDIN, TWITTER, etc., for promotional activities and frequent interactions with other institutions. All the contents to be uploaded are approved by the concerned authorities.

| 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 |
| 2931 | 731 |

| | |
|---|---|
| 4.3.4 - Available bandwidth of internet connection in the Institution (Leased line) | <ul style="list-style-type: none"> • ?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 | <ul style="list-style-type: none"> • 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

85

| 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 well established procedures for monitoring the maintenance of Infrastructure and support facilities asdepicted supervised by EO who reports to a Senior Professor in charge of the campus maintenance supported by a team of technicians.

A series of process maps and SOP have been developed for maintenance of these facilities and various purchase activities connected to infrastructural maintenance.

Maintenance of the Laboratories are carried out under the supervision of Lab technicians. As a policy, faculty members and laboratory assistants are given responsibility to maintain the equipments and stock registers.

A Library committee has been constituted for overall planning and maintenance of library. A binding section is support to bind the damaged books in the library.

Regular maintenance of Computer Laboratory is done by Laboratory Administrators.

Annual Maintenance Contracts with relevant agencies have been provided for maintaining major equipments, computers, UPS, air-conditioners, generators, Sewage-plant elevators, fire-extinguishers etc.,

Maintenance of transport facility is carried out by the bus drivers and technicians. Physical Director is responsible for maintenance of sports equipment, courts and gymnasium.

The Institute ensures optimal allocation and utilization of the available financial resources for maintenance and upkeep different facilities through regular meetings of various committees constituted for this purpose.

| 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)

1474

| 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

2645

| 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

• All of the above

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

| 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

7

| 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

680

| 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

14

| 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

3

| 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

With the objective of inculcating the qualities of leadership, organization, and responsibility in the students, an active Student Council is in place along with a strong representation of students in the academic and administrative bodies/committees. The Institutional Quality Assurance Cell (IQAC) is constituted in every institution under the chairmanship of Head of the Institution with heads of important academic and administrative units, faculty members and distinguished educationists/representatives of local committee. The Class Representative (CR) system is fundamental to student representation as leaders. Approximately 60 students in the University, with regular meetings on third Friday of every month to ensure and assess the teaching, learning and support services provided to the students by the Institution the interests and views of the students. Monthly CR Meetings are conducted during the semester. Technical/Functional /University Club /Committees elect President, Vice Presidents, Member Secretary, and Treasurer positions, where students organize domain specific events, extra-curricular events, competitions and conferences which hon's their subject expertise skills in with leadership skills. Club activities, workshops, competitions enhance the communication skills, leadership skills, time-management, and builds confidence in each student. Best practices of each Institution are transmitted across University to strengthen the student's platforms for their

holistic development.

| 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

16

| 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

SPIHER Alumni Engagement builds a continual relationship with our Alumni for mutual well-being and progress of the Alumni and Institution. Our Alumni influences and adds values to the society and our Institution. Formal Alumni Meets enables Alumni to reunite with their friends and college members, revitalize their memories and share experiences of their past endeavours and current progress. The SPIHER Alumni network contributes to the following:

1. In building the University's reputation, by witnessing the achievements of graduates are in the actual world.
 2. Our existing college students have higher job prospects because their seniors are creating a perfect legacy in the corporate world with their knowledge and values.
 3. Invited Talks/ Guest Lectures/ Alumni Forums.
 4. As the Participants/ Speakers/ Sponsors for workshops and convention.
 5. Representatives of the enterprise during recruitments and motivating present set of students by means of having the presence of their seniors in the company.
 6. Alumni additionally shape the active member for Area Advisory Board and make contributions in evaluating and improving the curriculum.
 7. Alumni also form the energetic contributors of IQAC at a number of levels. Their inputs are vital in bringing significant developments and pleasant enhancements

| | |
|--|---------------------------|
| File Description | Documents |
| Upload relevant supporting document | View File |
| 5.4.2 - Alumni contribution during the year (INR in Lakhs) | A. ? 5Lakhs |
| 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 | |
| <p>The Institute has a well-defined vision and mission as illustrated below. To achieve long term vision, Institute has chalked out a well-planned mission & objectives. With the headship of Vice Chancellor, supportive statutory bodies assisted by administrative & academic experts of various departments & decentralized management systems ensure academic excellence with research & extension services. The Boards of Studies have representation of different stakeholders to ensure that the curriculum is designed to include the latest trends in various fieldsto instill desirable outcomes in students with human values & professional ethics to become successful experts in their field of study/entrepreneurship.</p> | |
| <p>Academic council has representation of senior faculty, external experts & Industrialists to look & approve the minutes of the meetings, curriculum, innovative teaching methods, new courses in emerging areas & new centers of excellence.</p> | |
| <p>Research promotion is done effectivelyby Dean R&D to monitor & encourage publications, organize conferences to ensure quality.</p> | |
| <p>Institute promotes entrepreneurship through ED Cell & TBI run with support of MSME which aims & chalks out plans by providing value added program, skill development for building students as responsible citizens. Vice Chancellor & other officers contribute wholeheartedly to achieve vision & mission as shown below.</p> | |

| 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

As per UGC Regulations 2019, collective decision making at different levels & hierarchical decision making & participatory management in the affairs of Institute with decentralized management system are practiced. Institute has a well-defined structure supported by qualified & competent teams of administrative & Academic heads to review the progress of various functions & accordingly take necessary timely action for ensuring excellence. Teaching departments function with sufficient autonomy in their academic & research activities as per the decisions of the statutory bodies. Frequent meetings & training programmes help Faculty & administrative staff to understand their role, responsibility & accountability in their jobs. Decentralized systems of governance are practiced to ensure that the leadership moves closer to the key stakeholders & facilitates a better chance for taking part in the governance. Student support & academic activities have been decentralized which are effectively managed by the Deans & Heads. Student's representatives of class committees highlight academic & other issues related to their class. Institute instills a sense of belongingness & involvement in both Faculty & Students. The meeting of Vice-Chancellor with all faculty members at the beginning of every semester is a reflection of the participative style of management.

| 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

The Institute based on vision & mission, envisions becoming an institute of Excellence through various activities such as Academics, Research, Extension & Innovation & has a prospective plan for deployment. The document consists of short, medium- & long-term goals for the growth of the Institute i.e. 3 year, 7 year and 15 year plan. Technological modernization of teaching, learning & assessment, research in futuristic areas, societal contribution through knowledge creation, Intellectual asset

conception and achieving sustainability through commercialization have been given importance in strategic plan 2017-32. This plan has ensured improvements in promotion of research & faculty development. Efforts have been made to globalize & improve perception through signing of various MoU's with Universities abroad. Industry Institute interaction has been strengthened with MoU's for improving Industrial internships & placements. Infrastructure development & promotion of various activities such as patenting & consultancy services has been a hallmark during deployment of the strategic plan. The Institute gives thrust to the strategic plan deployment through discussions during the meetings of the Planning and Monitoring board. The successful implementation of promotion for Innovation through patenting has ensured a substantial increase in the number of patents from 3 in 2018 to about 30 patents now.

| 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.

Institute has a well-defined organizational structure & administrative set up for the functioning of various statutory bodies formulated as per UGC regulations, to provide policy framework & direction in all academic related reforms, finance, planning & monitoring. Besides the above committees, Institute has constituted additional committees for smooth operation.
Administrative setup has been formulated as per UGC Regulations & MoA constituted under leadership & guidance of the Vice Chancellor. Vice-Chancellor is academic & administrative head of Institute & assisted by well-designed organization structure including Registrar, Controller of Examinations, Deans & Heads. Institute has well defined service rules for all staff , recruitment policy to achieve talent acquisition plans in line with the objectives of the organization & a streamlined promotion policy both for teaching and non- teaching staff as per the self-appraisal. Grievances can be posted both online & offline by the student & faculty for redressal immediately.

Various committees such as Grievance redressal, Anti-Ragging Committee, Library committee, IQAC, Entrepreneurship development cell, Center for Foreign Languages, Human Values, Placement &

Training cell, Institute Innovation cell, ICC, SC/ST cell, IPR cell etc have been constituted for effective implementation & monitoring of various activities to achieve the visible performance in all spheres.

| 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

Performance appraisal system

NAAC guidelines are followed in framing the appraisal format for assessing the performances of faculty members. The self- appraisal form is used by the teachers to appraise their academic performances on the criteria given in the format.

Promotional avenues

UGC, AICTE and CoA prescribes minimum qualifications for Professor, Associate Professor and Assistant Professor, ratio for teacher-student and work load in all disciplines. The recommendation of the

appraisal committee is considered in recommending internal candidates for promotion to the Board of Management.

In the case of non-teaching staff, the appraisal committee reviews the performance of the staff and their experience and recommends to the Board of Management for its approval for promotion.

The Institute provides the following facilities to ensure the holistic measures of facilities to all teaching and non-teaching staff.

- Medical centre with qualified Doctors and para medical and nursing staff. Free consultation with emergency medicines.
- Transport facility for teaching and non-teaching staff.
- Contributory Provident Fund and ESI health scheme.
- Group Insurance.
- Special leave and reimbursement of registration fee for attending conferences/ seminars.
- Incentives for excellence in Research and publications.
- Financial share in the revenue generated from the patents and consultancy.
- Accommodation for faculty and research scholars

| 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

171

| 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

21

| 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)

211

| 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 has a well-planned financial system for running the Institute effectively. Finance committee headed by Vice Chancellor has been formed as per UGC Regulations to regulate finance of Institute. It plans to mobilize resources to run institute with economic viability & maintains the income & expenditure of institute, presenting the statement of accounts for audit every year & the audited statement of accounts is forwarded every year to UGC as per UGC Regulations & MoA of Institute. Finance officer takes care of day to day financial transactions of the Institute. Internal & external audits are carried out regularly to maintain transparency. Auditors have been appointed to prepare the annual financial statements & audit reports of the Institute. The SPIHER Trust files income tax returns to the Tax Department. The financial resources such as Tuition fees, Hostel fees, Alumni contribution etc are mobilized by the finance section & provides support to students applying for loans & scholarships & obtains financial support from various government schemes. The accounts of the funds received from governmental agencies such as DST, AICTE etc. are to be maintained as per the prescribed conditions. Institute provides EPF & ESI benefits as per the norms of the

government.

| 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)

0

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
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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)

1.51

| File Description | Documents |
|-------------------------------------|---------------------------|
| Upload the data template | View File |
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6.4.4 - Institution conducts internal and external financial audits regularly

Institute arranges for financial audits that includes the internal & external audit (statutory audit) every year as per tUGC Regulations & Tax Department. Internal audit has been conducted quarterly for the past five years. Qualified Internal Auditors along with a team of staff do a thorough verification of all vouchers to check the veracity of the transactions carried out in each financial year. The Institute has its own internal & external audit mechanism by a chartered accountant to verify and certify the statement of income & expenditure of Institute every year. Statutory audit is carried out both half-yearly & annually. The statutory external audits are conducted by the auditors appointed under regulations of Institute, in accordance with generally accepted auditing standards prescribed by the Institute of Chartered Accountants of India. The audit procedures are to check

whether the financial statements are free from material mismatch & give a detailed report on the state of affairs at the end of the financial year. A copy of the statement of accounts as audited by chartered accountant & filed to Income Tax Department is forwarded to UGC every year. Updating of procedures for audit as per amended rules is implemented in fullest form.

| 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

IQAC aims at mainly ensuring maintenance of quality of education on well-planned parameters. It meets regularly to monitor the effectiveness of the teaching learning process for successful implementation of Outcome Based Education (OBE). Experts from academia/organization/industries are invited for deliberations on course curriculum, basic practicals, hands on experience and fundamental & advanced topics in the courses. During the quarterly meetings, IQAC reviews the decisions taken in the previous meetings, and action taken on the previous decisions and takes suitable fresh decisions to ensure effective academic activities. IQAC conducts an annual meeting every year in the month of December to check the learning process, structures & methodologies of operations, result analysis, learning outcomes and achievements of goals. IQAC conducts internal and external audits at the end of every semester. Hands-on workshops were conducted by the Centre for Faculty development and IQAC on OBE for writing course plans and selecting pedagogic methods with appropriate assessment techniques.. Training on modern TLP including flip and blended learning was conducted by IQAC for all faculty. The various initiatives taken by IQAC had resulted in enhancing the quality of TLP in the institute

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6.5.2 - Institution has adopted the following for Quality assurance Academic Administrative Audit (AAA) and follow up

A. Any 5 or all of the above

action taken Conferences, Seminars, Workshops on quality conducted Collaborative quality initiatives with other institution(s) Orientation programme on quality issues for teachers and students Participation in NIRF Any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)

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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)

Institute has paid attention to quality improvements in academic & administrative domains on the basis of suggestions made during the first cycle of NAAC accreditation. The domains which were improved includes research funding from agencies, Publication of papers in reputed journals, Sophisticated research facilities, more collaborations with national & international organizations, Entrepreneurship activities, Governance. Incremental improvements were made in quality of academic, research & other systems including introduction of new courses & training of faculty in emerging technologies. Teaching learning process was improved using ICT Tools. Workshops were conducted in OBE, continuous internal assessment as per OBE, research methodology, quality metrics for publications. IQAC had enabled enhancement of students' outcome for employability & higher studies through training programmes for Placements & competitive exams like UPSC, TNPSC, Banking, Foreign languages (Japanese and French), & higher studies (GATE). Augmentation of infrastructure including ICT enabled class rooms, digital library with 30 systems, new research facilities such as Cloud computing & Big Data Lab IoT application and Robotics system learning Lab were done. Feedback obtained from all the stakeholders in each semester through IQAC has enabled the overall improvement in curriculum and syllabus, teaching and learning, evaluation, resource mobilization for research.

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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

Safety is given paramount importance in the Institute. Our Institute has organized guest lectures, seminars, workshops, activities, campaigns, awareness program. We have CCTV cameras in all the corridors and important points of congregation. Security personnel are posted at various places around the campus to ensure safety of all. Rest rooms are all neatly maintained by an external agency. Sanitary vending machines are also available in the campus. We take efforts to maintain harmony among all students and staff. It has constituted Internal Complaints Committee (ICC) to ensure gender Mentors help mentees overcome any issues and develop relationships across the organization. Staff members offer suggestions to solve the psychological and social problem. Anti-Ragging Committee, Grievance Redressal committee and Internal Complaints Committee (ICC) help in creating awareness about gender imbalance.

Awareness programs like importance of Human Rights, Rights of Women in Domestic Problems, Cyber Security Awareness, grooming of women self- confidence, and Health Awareness for Women were organized periodically. These programmes help students understand their strength and weakness and get awareness in gender sensitization. The unique work culture, healthy traditions and ethos have led to higher enrolment of girl's students and faculty.

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| Annual gender sensitization action plan(s) | https://spiher.ac.in/wp-content/uploads/2022/12/Gender-Equity-Action-Plan-2020.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 | https://spiher.ac.in/wp-content/uploads/2022/12/Safety-and-Security.pdf |

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| 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 |
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| 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 |
| Waste management is aimed at protecting the environment and enhance the safety of surrounding environment. SPIHER follows many waste management methods to control pollution in all aspects. |

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| Campus cleaning involves collecting the solid waste regularly from all class rooms, laboratories, library, mess and hostel. Collected waste is properly disposed in appropriate place.. Maintenance of laboratories, Library, hostel, gym and playground require special maintenance gadgets to clean and dispose the waste. Kitchen wastes are disposed regularly. |
| Sewage treatment plant of capacity 1 Lakh litres has been installed for the hostels. Septic tanks are provided for all the buildings for disposal of sewage. |

Institute ensures disposal of obsolete electronic items in the campus. E-waste is disposed through the vendors for the purpose of Recycling. The electronic gadgets are disposed through vendors with proper E-waste management techniques without affecting the environment. The biological wastes and chemical wastes are carefully disposed without harming the environment of the campus. The Institute takes all steps for maintaining a clean and environment friendly campus. Use of plastics is strictly prohibited in the institute campus. Plastic awareness programmes are conducted. These awareness programmes sensitize the students to follow the rules both on and off the campus.

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

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| 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 |
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| 7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution |
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| <p>7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through the following:</p> <ol style="list-style-type: none"> 1. Green audit 2. Energy audit 3. Environment audit 4. Clean and green campus recognitions/awards 5. Beyond the campus environmental promotional activities | <p>A. Any 4 or all of the above</p> |
| <p>File Description</p> | <p>Documents</p> |
| <p>Upload relevant supporting document</p> | <p>View File</p> |
| <p>7.1.7 - The Institution has a disabled-friendly and barrier-free environment Ramps/lifts for easy access to classrooms and centres. Disabled-friendly washrooms Signage including tactile path lights, display boards and signposts Assistive technology and facilities for persons with disabilities: accessible website, screen-reading software, mechanized equipment, etc. Provision for enquiry and information: Human assistance, reader, scribe, soft copies of reading materials, screen reading, etc.</p> | <p>A. Any 4 or all of the above</p> |
| <p>File Description</p> | <p>Documents</p> |
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| <p>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)</p> | <p>An inclusive classroom climate refers to an environment where all students feel supported intellectually and academically. Institution makes arrangements by establishing a classroom tone that is friendly, caring and supportive, It attempts to consider various avenues such as CBCS to promote inclusivity by including</p> |

syllabus with choices in assigned reading, discussion expectation, personal style etc.

To maintain an inclusive classroom climate, faculty members are involved in maintaining structured classroom conversations to encourage respectful and equitable participation. Anti-communal and secular initiatives are constantly on the watch.

Cultural, regional, linguistic, communal socioeconomic and other diversities are very deep in Indian soil. Great harmony in diversity makes an example of a democratic community in India. The institute offers different menus from various parts of the country in its food court to cater to maintain diversity. The Institution maintains uniform pattern in celebrating all festivals and all students and faculty participate in various events irrespective of gender, creed and culture. The students celebrate various festivals such as Onam, Ayudha Puja, VijayaDasami, Deepavali, Ramzan and Christmas to foster oneness among all students and faculty and promote tolerance and harmony.

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

Civic responsibility is the prime responsibility for any individual and the Institute makes efforts to inculcate it. Student responsibility is demonstrated when students make choices and take actions which help them realize their educational goals. Faculty and students are encouraged to demonstrate academic integrity and honesty. We celebrate both Republic and Independence Day very enthusiastically. The departments also organize various programmes to make the students realize the value of important national and international days. Lectures are arranged to make students aware of their legislative responsibilities. Sessions and discussions were conducted on "Child Rights and Children's Legislation" for children living in adopted villages.

National Unity Day is celebrated in the Institute every year by making the Students and faculty members take an oath to promote national unity.

Students and faculty participate in promoting water conservation and rain water harvesting methods in the campus and outside.

Students and faculty are motivated to participate and take Integrity pledge during the Central Vigilance commission week in October-November every year to root out corruption and uphold highest standards of honesty and integrity. The institute strives to ensure that this amendment is followed by all the stake holders in the institution

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| <p>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</p> | <p>All of the above</p> |
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| <p>7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals</p> |
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Our Institute celebrates and organizes national and international commemorative days, events and festival. Constitution Day, Independence Day and Republic Day help students understand the hard work of freedom fighters.

The Institute observes Engineers day in memory of Sir M. Visvesvaraya, National Science Day in memory of Sir C.V. Raman, Teachers day in memory of Dr. Sarvepalli Radhakrishnan and National Mathematics day in memory of Srinivasa Ramanujan. Gandhi Jayanthi is observed in the Institute every year and events are conducted as a part of the Gandhi Jayanthi celebrations. Rashtriya Ekta Diwas is celebrated every year since 2014 on 31st October in commemoration of Sardar Vallabhbhai Patel's birth anniversary. Mathru Bhaasha divas is celebrated every year and students are made aware of the importance of the local language. International Yoga Day is observed every year by organizing awareness programmes on yoga and its benefits.

Faculty members and students are involved in speeches, debates and other programs to bring out the real essence of celebrating commemorative days. Induction programmes and orientation programmes are conducted annually at the beginning of the semester to help the students in inculcating moral values and professional ethics.

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7.2 - Best Practices

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

1. Title of the Practice: Generating Revenue through Consultancy

2. Objective of the Practice:

- To provide enrichment of expertise and knowledge through interaction in the professional sphere.
- To create an interactive learning environment for Faculty with the Industry personnel.
- To make use of the infrastructure available in the Institution for societal development.
- To generate revenue for the Institution utilising the expertise of the Faculty.

3. The Context:

- To encourage Faculty to interact with Industry to solve Industrial problems. ?
- To promote social wellbeing by associating with Industries and solving their issues and problems

4. The Practice:

- A standard consultancy policy has been framed by the Institute.
- Guidelines have been framed for the consultancy charges which can be revised every year.
- The fund received by the department can be utilized for the academic research activities of the consultant and welfare of the department.

5. Evidence of Success:

- Revenue generated in Consultancy has considerably increased in the academic year 2020-21 and the total consultancy amount is Rs.10.5 Lakhs

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)

St. Peter's Institute of Higher Education and Research continuously strives to focus on imparting quality technical education and innovative programmes leading to Research and Development. Institute is located near the city and easily accessible through bus and train. The campus comprises a higher secondary school and preference is given to them for admission in the University. The campus is cleaned and maintained by "NEAT AND CLEAN" service provider to ensure cleanliness. Huge canopies of flora have decked our institution with a vibrant and beautiful ambience. The serene atmosphere inside the campus allows the students to be free from the suburb of noise and pollution from outside. The CCTV surveillance helps the administrators to assure high safety and discipline throughout the campus. Students' learning activities are strengthened by the signing of Memorandums of Understanding with industry and institutions viz. IMMRI, CADD CAMM, IIKE, IBM, Cambridge, TIMELAC, TAPSTIA. Foreign languages German and Japanese are taught to the students. Training for Competitive exams namely UPSC, TNPSC, GATE, SSC, and Bank exams are regularly organized. Technical clubs and cultural clubs supports to promote fine arts, music, dance, and short film making for the talented students. Solar panels are used for energy conservation and renewable energy consumption

7.3.2 - Plan of action for the next academic year

The initiatives taken to impart eminence in academic and research areas are built by adopting emerging trends of various disciplines in Science and Technology. Courses that involve Nanotechnology, Smart materials and Technologies etc. Special attention on Learning Systems for students include: Compulsory Internship, Initiating Smart/ Digital campus, Credit transfer to students to claim National and International level education, increase in the ratio of PhD faculty, Centre for Foreign Languages to provide better global communication skills, and the implementation of Unnat Bharat Abhiyan. Digital Learning is inculcated through access and application of SWAYAM, National Digital Library, National Academic Depository, eShodh Sindhu, Virtual Labs, eYantra, Free and Open Source Software (FOSS) for education, and eVidwan. The Research and Development Wing has goals for 2032 as: creating cutting edge

knowledge by setting at least one Research Centre for each department, Six papers in SCOPUS Indexed Journals per faculty, Fifty Patents, 100 placement for all eligible students, 50 incubator startups, MoUs with 10 select Universities around the world, 10 students intake to be international students, 5 of students to undergo student exchange programmes, 10 of faculty to undergo faculty exchange , 15 International coauthored publications, Intake of students 6000 per year, Competitive selection,