



# **SELF STUDY REPORT**

**FOR**

**2<sup>nd</sup> CYCLE OF ACCREDITATION**

**SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY**

**PACHAPALAYAM POST, PERUR CHETTIPALAYAM**

**641010**

**[www.srit.org](http://www.srit.org)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**November 2022**

# **1. EXECUTIVE SUMMARY**

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## **1.1 INTRODUCTION**

Sri Ramakrishna Institute of Technology (SRIT) is an Autonomous Institution, affiliated under Anna University, Chennai. SRIT is offering 5 undergraduate engineering degree programmes and 3 post graduate engineering degree programmes for the students enrolled during the academic year 2021-2022. The departments of Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Physics and Mathematics streams of the Department of Science and Humanities have recognized research centres of Anna University, Chennai. The research affinity of SRIT is enriched by 32 Ph.D qualified faculty members out of which 10 doctorates are Anna University qualified research supervisors. Further, 50 faculty members on roll are pursuing Ph.D and 29 external candidates are pursuing Ph.D under the Research Supervisors of the Institution.

SRIT was established in the year 2002, and managed by the SNR Sons Charitable Trust, Coimbatore. SNR Sons Charitable Trust was established in the year 1970, successfully runs 17 organisations catering to social needs of society focusing on Health Care, Education and Service. SRIT was accredited by NAAC with Grade 'A' and with CGPA score of 3.39 during the first cycle. All the Under Graduate programmes are also accredited by NBA. Over the period of its educational service, SRIT accomplished several milestones. SRIT received permanent affiliation form Anna University for all its UG programmes. It also received recognitions from University Grants Commission (Autonomy, 2(f) and 12(B) status). Faculty and student teams of SRIT have achieved recognitions in Government of India sponsored technical competitions like IICDC, Mapathon and Smart India Hackathon.

The major recruiters of SRIT include Accenture, Cognizant Technology Solutions, Hexaware, Virtusa, Zoho corporation and Wipro. The Institution is part of Infosys Campus Connect programme, Wipro Talent-Next programme and COE programmes of Hexaware and Virtusa. SRIT is partnering with technical service providers like NeoPAT to deliver round the clock delivery of cloud-based placement training services. The Institution has also signed MoUs with International Universities like Universitas Ubudiyah Indonesia, Indonesia and Universiti Malaysia Perlis, Malaysia to share faculty expertise and offer student internships. The Institution strives to adopt Outcome Based Education through continuous upgradation of human resources and teaching learning practices.

### **Vision**

Our Vision is to develop into a World Class Technological Institute with centers of excellence in various disciplines by providing quality and value-based education with continuous up gradation of infrastructure, human resources and teaching – learning process.

### **Mission**

Our Mission is to produce Quality Engineers, Scientists and Managers equipped with unbounded technical skills, domain knowledge and excellent moral values, for the advancement of the industry, business and for the emancipation of society.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- SNR Sons Charitable Trust which manages SRIT has a reputation of four and half decades for education and medical services. In addition to 15 Institutions, the Trust also manages a 750 bedded multi-speciality hospital with multiple specializations in Oncology, Neurology and Cardiology. The Trust has the capability of strong capital infusion during uncertain times. The structured, transparent and decentralized administration strategies coupled with experienced administrators at the helm of affairs provide financial stability and academic policy doctrine at all the levels of decision making.
- The Institution is accredited by NAAC with A grade. All the undergraduate programmes are accredited by NBA. The implementation of Outcome Based Education in teaching learning process is evolving over the years progressing towards improved strategies of adoption. The Institution is receiving strong inputs over the years from members of Accreditation bodies, eminent professors from reputed Indian Institutions and Professors from International Universities.
- Certified and award-winning green campus with focus on environmental sustainability, out of the hassles of Coimbatore city yet 30 minutes ride from city centre. The campus is spacious enough for all the future requirements.
- A productive blend of faculty members achieved through promotion of demographic diversity among employees. 29% faculty members are Ph.D. qualified and another 45% faculty are in different stages of their Ph.D. Programme. Research affinity is promoted through Research clusters
- Over the years, increase in participation of faculty and students in International Engineering Product expos and competitions with 50+ awards for innovation and creativity
- Over the years, increase in participation of faculty members in IPR generation through publications and patent registration achieved through awareness campaigns
- Availability of Institutional Scholarships to support education of students, thereby attracting talents for building human capital
- Availability of research-oriented laboratories to perform empirical research studies and product innovation in cutting edge technologies.
- Well established infrastructure including IT (surplus internet bandwidth) and libraries (quality subscriptions) for teaching, learning, research and evaluation.
- Well established Alumni network with 5000+ registered members spanning across globe.
- Experience in incubation of student projects to start-up business with two such projects already completed the transition

### Institutional Weakness

- Faculty awareness regarding publications in high impact factor journals needs to be improved.
- Consultancy opportunities are limited. Faculty expertise in the domain has to be improved
- Patent Registration is satisfactory but commercialization of Patents is yet to be initiated.
- Less motivation among students towards their progression towards higher education.
- Awareness level of students regarding examinations in Government sectors needs improvement.

### Institutional Opportunity

- Ever increasing strength of International Alumni opens up new opportunities in terms of MoUs and collaborations
- Participation in International expos and events expand the sphere of knowledge of Faculty members and students, opening up new research opportunities and collaborations
- Experience gained by faculty in incubating student projects to start-ups will promote more such initiatives in near future.
- Accreditation process will improve the adherence of Institution to Standard Operating Procedures and re-evaluates teaching learning process and its compliance with OBE framework
- Extending academic credits for MOOCs courses and encouraging faculty members to reskill through MOOCs courses, SRIT can build human capital for scientific innovations
- Government Scholarship schemes will make more students enrol for their graduate programmes, thus augmenting the human capital of the Institution.
- Partnership with technology service providers for placement training is helping the institution to monitor students' progress in real-time. This can be expanded for other curricular activities, thus improving the quality of learning

### **Institutional Challenge**

- Rising costs of overheads and resources
- Increased regulatory controls
- Challenges arising out of competition from online education portals that has access to market-based funding sources.
- Delay in adoption of technologies owing to limited funding resources
- Increased pace of technology development with little regard for documentation
- Limited diversification of academic projects by funding agencies.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

The curriculum of SRIT is framed as per the guidelines of UGC, the statutory bodies like AICTE, Affiliating University and in accordance with lead societies (IEEE, ACM, ASME) relevant to the stream of Engineering. The student is provided with Choice Based Credit System as a means of delivering academic flexibility for all the UG and PG programmes. The courses are designed, developed and delivered with an aim of improving the adherence of SRIT to Outcome Based Education (OBE) Framework. Skill upgradation is undertaken to build faculty competence in OBE. The curriculum is vetted at the Department level by expert members through formation of Board of Studies. The final curriculum is approved by Academic Council members at the Institution level. The resource persons for vetting and approving curriculum includes academicians from elite institutions, industrialists, alumni and researchers. Feedback mechanisms are in place to understand student, employer and parents' concerns regarding curriculum.

The curricular aspects for the last five years are summarized as follows. SRIT has offered a total of 982 courses under 16 programmes. Eighty five percent of the courses are focussed towards improving either employability or entrepreneurship skill of students. Syllabus revision was carried out for all the offered programmes. 198 new courses were introduced and, on an average, 20.16 % of syllabus contents were revised across all the programmes. In addition to engineering courses, the curriculum includes mandatory courses on cross cutting

domains like Universal Human Values, Ethics and Indian Constitution. A total of 50 open elective courses were offered throughout all programmes to encourage inter disciplinary technical skills. Apart from this 26 value added programs were offered to students every year for improving their skill set from the perspective of employability and placement drives. Academic credits are granted for completion of certification courses, online courses and internship training programmes. All the UG students were encouraged to acquire Business English Certification before the end of third year of their studies.

### **Teaching-learning and Evaluation**

SRIT enrolls students in its programmes through a transparent single window system adopted by Tamil Nadu Engineering Admissions (TNEA) and Consortium of Self-financed colleges. Students from diverse geo socio economic backgrounds (includes international) adds cultural diversity to campus. English is the medium of instruction. To improve the proficiency in English, both the faculty members and students are required to complete Business English Certification (BEC) process at the earliest. Language training is provided to ensure successful completion of BEC. The design and delivery of courses is guided by Outcome Based Education (OBE) framework. The programme coordinator is responsible for ensuring the adherence of courses to Program Outcome (PO) and Program Specific Outcome (PSO). The course coordinator decides the learning outcomes in alignment with Program Outcomes. Course delivery, assignments and evaluation are aligned with developing cognitive ability of students guided by the principles of Blooms revised taxonomy.

Over the last five years, SRIT registered an average enrolment percentage of 67.05% with faculty student ratio of 1:14. Every year SRIT conducts AICTE mandated First Year Orientation programme. The Continuous Internal Assessment helps in categorization of students based on their learning abilities. SRIT has a structured mentoring system to identify the learning obstacles of students. Remedial classes are conducted to improve the academic performance of slow learners. Advanced learners are provided with support and mentorship for participating in National / International level competitions, conferences, publications, expos and funded projects, thus improving their sphere of knowledge in multiple domains. Advanced learners are also facilitated to undergo Industry internship training at national and international level. Other highlights are

- Experiential learning through Industrial Visits / Outbound Training
- Experimental learning through Theory Courses with in-built lab components
- Project Based Learning as an optional assessment component.
- Smart Classrooms and partnership with cloud-based training platform vendors
- In-house configured Learning Management System and Institute Management System (ICT tools) for Managing academic affairs
- Direct and Indirect Assessment components for measuring PO attainment levels.
- Academic credits allotted for Industry connect courses
- Academic audit committee to evaluate academic activities including teaching, learning and evaluation.
- Academic credits for Self- paced learning initiatives

### **Research, Innovations and Extension**

SRIT Research policy covers research promotional activities, regulations, constitution of advisory committee, seed money, consultancy projects, Ethical Research, IPR, Innovations, Incubation, Entrepreneurial Development, faculty incentives and other benefits. 8 research clusters are involved in mentoring faculty members and the cluster members conduct periodic review meetings to decide on action plans. 5 research-

oriented laboratories are established including 3D printing laboratory and Brain Computer Interface laboratory. Institutions Innovation council was established in 2019-2020 in accordance with MoE, Government of India and AICTE guidelines, with the aim of creating an innovation ecosystem. IPR cell constituted under IIC is creating awareness about IPR among faculty and students. The incubation centre of SRIT yielded the company, Mechatron Motors LLP, Coimbatore in March 2022. In addition, SRIT has Innovation and Entrepreneurship Development Centre graded with 2 stars by Ministry of Human Resource Development. Pezray Technologies is another start-up that is evolved out of SRIT innovation ecosystem.

Over the last five years, SRIT has secured a total of 257.29 lakhs from government and non-government agencies for sponsored research projects. 24 research-oriented awareness programs were conducted. 46 faculty members registered for Ph.D. programme. 326 technical articles were published in UGC recognized journals and another 152 papers were published in conferences and as book chapters. SRIT has invested 48.74 lakhs for developing facilities and training faculty members in undertaking consultancy projects. SRIT conducts social awareness campaigns and social welfare camps in villages of Coimbatore through its Rotaract club and NSS extension activities. SRIT also received best NSS unit award (2017-2018) from its affiliated University. A total of 45 extension / outreach programmes are conducted by SRIT with a student participation rate of 64%. SRIT also executed a total of 15 MoUs with other institutions / Industries for collaborative projects.

### **Infrastructure and Learning Resources**

SRIT has total land area of 49.9 acres sufficient for current and future needs. The built-up area is 63,684.85 sq.m out of which the instructional area is 24,916.39 sq.m, administrative area is 3,418.85 sq.m and amenities extends to 24,058.07 sq.m. The access and circulation area is 11,291.54 sq.m. as mandated by AICTE. SRIT instructional area includes ICT enabled classrooms, tutorial rooms, programme specific laboratories, drawing halls and seminar halls. SRIT campus provides barrier free built environment for physically challenged and elderly. The administrative offices and libraries are located in ground floor. Ramps are available connecting all the floors. The main building, hostels, canteen and play grounds are connected with all-weather motorable approach roads. Towards building a sustainable environment, SRIT has installed 250 kw solar power generation and distribution plant, sewage treatment plant, waste segregation and disposal plant. The IT infrastructure mainly includes 733 computers connected to Internet through 196 Mbps leased line connections offered through 4 public addresses. The campus is Wi-Fi enabled through wireless access points and Wireless routers. 54 CCTV cameras are available at strategic locations and User access to internet is managed by NextGen Firewall. Other highlights are

- Green Campus with playground area of 10 acres
- Facilities and equipment for indoor and outdoor games, sports, gymnasium and yoga.
- Libraries with 40,656 volumes of text books, 192 E journals including IEEE ASPP, 800 E books, 90 print journals and magazines
- Institutional membership in DELNET and NDLI virtual repositories
- Library managed by Open Access System powered by KOHA Software
- Industry sponsored laboratories (Texas Instruments)
- Open air auditorium with a seating capacity of 1200
- Power backup facility includes 200 KVA UPS and generators of capacity 180 KVA and 380 KVA
- Academic affairs managed by in-house developed Institution Management System
- Smart class room equipment including Interactive boards for immersive learning experience
- Availability of fire extinguishers and first aid kits at easily accessible locations
- Transport facilities, Health centre and excellent medical infrastructure at Sri Ramakrishna multi-

speciality Hospital.

## **Student Support and Progression**

SRIT offers Institutional scholarships to deserving students to support their education. About 254 students got benefitted from these schemes over the past 5 years. This is in addition to the scholarships availed for the students from Government bodies. Student clubs were formed in almost all verticals of learning and personality development, for the making of responsible citizens. SRIT has active student leadership club, SAE SRIT Collegiate club, Student Social Responsibility club, Youth Red Cross club, Red Ribbon club, Photography club, Fine Arts club, forums and student chapters. Self-learning initiatives of students through MOOCs platforms are encouraged and rewarded through award of academic credits. SRIT has well established student grievance redressal mechanisms, anti-harassment cell and anti-ragging committee. SRIT has in its records, grievances which were resolved as per the protocols laid down by the regulatory bodies. Student participation is ensured in college administration by appointing student members in library advisory committee, hostel administration committee, class committee, fine arts and college transportation committee. The student placement cell delivers placement training programmes and offers job opportunities through campus placement drives. SRIT Alumni Association has 5000+ registered members around the globe and got chapters in Coimbatore, Chennai and Bangalore. The office bearers conduct annual general body meetings to decide on the action plan. Every year the Alumni Association receives in excess of Rs.5 lakhs as voluntary contributions which are expensed for student welfare programmes and to meet administrative costs. Alumni Association offers student scholarships and helps in infrastructure augmentation. Other major highlights over the last five years are

- Rs 246.483 lakhs worth of scholarships / freeships were awarded to students through Government and Institution schemes.
- 50+ capacity development and skill enhancement activities were conducted through student clubs and placement training cell
- 1000+ students were offered with jobs through SRIT placement cell
- 150+ awards / medals won by students at inter-university/state/national and international events of sports and cultural activities
- Student participation in international engineering product expos, international internships and patent registration
- Qualified psychiatrist from Sri Ramakrishna Hospital as visiting Student counsellor to ensure mental well-being of students.

## **Governance, Leadership and Management**

SRIT has published vision and mission statements. The governance is delegated through administrative bodies formed with defined roles and responsibilities. Administrative bodies include Governing Council, Academic Council, Board of Studies and Finance Committee. The arms of governance include IQAC, Institutional Academic Committee, Institutional Academic subcommittee, Academic division committee, Grievance Redressal committee, Discipline committee, Anti-Ragging committee, Academic advisory committee, Result Passing Board, Women Empowerment Cell and Library Advisory committee. Governing council has empowered Principal for everyday academic administration. Principal is vested with sufficient degree of financial powers. Transparency is a key factor in the delegation of authority, recruitment of faculty members, Student admission process, examination and other academic activities. SRIT believes in participative management by involving stakeholders at relevant levels of decision making. The well documented strategic

plan involves both long term goal and short-term goal. The strategic plan forms the basis for all major decision-making process.

Faculty recruitment is carried out against sanctioned vacancy positions as per AICTE guidelines. A selection committee constituted with Professors from eminent Institutions will screen candidates for recruitment. The service rules were defined with norms for career advancement, promotion and leave rules. The statutory benefits provided includes Provident Fund, Casual Leave, Earned Leave, Group Insurance and Gratuity. The system of annual appraisal is followed for the faculty members. Incentives and opportunities of career progression is made available for faculty members at all levels. 97 professional development / administrative training programmes were conducted by SRIT. 90% of the faculty members attended faculty development programmes during past 5 years.

Financial Management includes quarterly internal and annual external audits which are presented to Finance committee and Governing council. The main revenue comes from tuition fees. Rs 10.13 lakhs was received by SRIT from non-government bodies, individuals, philanthropists. Annual budget is consolidated from the department-wise budgets. The utilization report is presented to the Governing Council. Stock verification, academic and administrative audits are conducted annually. The academic activities are audited through Internal Quality Assurance Committee (IQAC) for quality improvement. In-house developed Institution Management System is used in computerization and automation of academic affairs.

### **Institutional Values and Best Practices**

SRIT is governed by SNR Sons Charitable Trust founded by the illustrious sons of Sri. S N Rangasamy Naidu, an ardent devotee of Sri Ramakrishna Paramahansa from where the institution has derived its name. Following Sri Ramakrishna Paramahansa's philosophy "God through Man" SRIT delivers educational services for empowering the society. From the perspective of gender equity, 55% of teaching fraternity are women and 30% of enrolled students are girls. Women Empowerment cell and prevention of sexual harassment cell are functioning exclusively for empowering women and creation of awareness regarding gender equity.

For sustainable development, SRIT employs 3R principle of Reduce, Reuse and Recycle. MoUs and infrastructure are in place for solid waste management, liquid waste management and e-waste management. Provisions are available for rain water harvesting and ground water recharging. Green auditing and Energy auditing are performed as per requirements. SRIT ensures equity among different communities by strictly following the Reservation Policies of State and Central Government. The college ensures that students are provided with safe and discrimination free campus irrespective of their geographic, religious, social, financial, cultural and linguistic diversities. Apart from regional festivals, commemorative days like Teachers Day, International Women's Day, National Unity Day, Engineers Day and National Science Day are celebrated with events and competitions. Cultural events and competitions are organized as Fine Arts day to promote social well-being.

Constitutional Awareness among student community is raised through mandatory courses like Constitution of India and Professional Ethics. Two-week student induction program based on Universal Human Values is one of the mandatory measures taken by SRIT. An active NSS and YRC promotes social responsibility among students. SRIT has inculcated value added programmes (VAP) which run in parallel with the academic curriculum. The VAP improves the employability readiness of students and they are also provided with internship opportunities for gaining hands-on experience. Other highlights are



- Students technical skill development spanning the entire period of graduate studies
- Best green Campus award from Nature Science Foundation, Coimbatore
- 50+ awards in international expos and competitions.

## 2. PROFILE

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### 2.1 BASIC INFORMATION

<b>Name and Address of the College</b>	
Name	SRI RAMAKRISHNA INSTITUTE OF TECHNOLOGY
Address	Pachapalayam Post, Perur Chettipalayam
City	Coimbatore
State	Tamil Nadu
Pin	641010
Website	<a href="http://www.srit.org">www.srit.org</a>

<b>Contacts for Communication</b>					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	M. Paulraj	0422-2605577	7373488599	-	principal@srit.org
IQAC / CIQA coordinator	Hema C R	0422-2605877	8925102799	-	hod.eee@srit.org

<b>Status of the Institution</b>	
Institution Status	Self Financing

<b>Type of Institution</b>	
By Gender	Co-education
By Shift	Regular

<b>Recognized Minority institution</b>	
If it is a recognized minority institution	No

<b>Establishment Details</b>	
Date of Establishment, Prior to the Grant of 'Autonomy'	02-07-2002

Date of grant of 'Autonomy' to the College by UGC	17-04-2017
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<b>University to which the college is affiliated</b>		
<b>State</b>	<b>University name</b>	<b>Document</b>
Tamil Nadu	Anna University	<a href="#">View Document</a>

<b>Details of UGC recognition</b>		
<b>Under Section</b>	<b>Date</b>	<b>View Document</b>
2f of UGC	06-06-2014	<a href="#">View Document</a>
12B of UGC	10-07-2015	<a href="#">View Document</a>

<b>Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)</b>				
<b>Statutory Regulatory Authority</b>	<b>Recognition/Approval details Institution/Department programme</b>	<b>Day,Month and year(dd-mm-yyyy)</b>	<b>Validity in months</b>	<b>Remarks</b>
AICTE	<a href="#">View Document</a>	03-07-2022	12	Every Year Approval has to be renewed vide AICTE New Delhi Communication letters

<b>Recognitions</b>	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Pachapalayam Post, Perur Chettipalayam	Rural	49.99	63684.85

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Civil Engineering	48	Hsc or Diploma	English	60	0
UG	BE,Computer Science And Engineering	48	HSc or Diploma	English	180	179
UG	BE,Electrical And Electronics Engineering	48	HSc or Diploma	English	30	18
UG	BE,Electronics And Communication Engineering	48	HSc or Diploma	English	60	49
UG	BE,Mechanical Engineering	48	HSc or Diploma	English	30	13
UG	BTech,Information Technology	48	HSc or Diploma	English	60	59
PG	ME,Civil Engineering	24	B.E. or B.Tech.	English	18	0
PG	ME,Computer Science And Engineering	24	B.E. or B.Tech.	English	9	5
PG	ME,Electrical	24	B.E. or	English	9	9

	I And Electronics Engineering		B.Tech.			
PG	ME,Electronics And Communication Engineering	24	B.E. or B.Tech.	English	9	5
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	36	M.E. or M.Tech.	English	1	1
Doctoral (Ph.D)	PhD or DPhil,Electrical And Electronics Engineering	36	M.E. or M.Tech.	English	1	0
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	36	M.E. or M.Tech.	English	6	6
Doctoral (Ph.D)	PhD or DPhil,Mathematics	36	M.Sc	English	1	1
Doctoral (Ph.D)	PhD or DPhil,Physics	36	M.Sc	English	1	0

### Position Details of Faculty & Staff in the College

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	7				12				90			
Recruited	3	4	0	7	7	5	0	12	40	50	0	90
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				38
Recruited	27	11	0	38
Yet to Recruit				0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				9
Recruited	7	2	0	9
Yet to Recruit				0

### Qualification Details of the Teaching Staff

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	4	0	5	7	0	7	6	0	32
M.Phil.	0	0	0	0	0	0	1	5	0	6
PG	0	0	0	0	0	0	32	39	0	71
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	0	0

**Provide the Following Details of Students Enrolled in the College During the Current Academic Year**



Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	281	3	0	0	284
	Female	96	2	0	0	98
	Others	0	0	0	0	0
PG	Male	12	0	0	0	12
	Female	7	0	0	0	7
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	3	0	0	0	3
	Female	4	0	0	0	4
	Others	0	0	0	0	0

**Provide the Following Details of Students admitted to the College During the last four Academic Years**

Category		Year 1	Year 2	Year 3	Year 4
SC	Male	16	17	26	38
	Female	3	9	7	14
	Others	0	0	0	0
ST	Male	0	1	0	0
	Female	0	0	1	0
	Others	0	0	0	0
OBC	Male	240	263	347	416
	Female	65	74	100	125
	Others	0	0	0	0
General	Male	22	30	25	38
	Female	5	14	12	23
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		351	408	518	654

## 2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	<a href="#">View Document</a>
Computer Science And Engineering	<a href="#">View Document</a>
Electrical And Electronics Engineering	<a href="#">View Document</a>
Electronics And Communication Engineering	<a href="#">View Document</a>
Information Technology	<a href="#">View Document</a>
Mathematics	<a href="#">View Document</a>
Mechanical Engineering	<a href="#">View Document</a>
Physics	<a href="#">View Document</a>

### Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>The Vision of National Education Policy, to provide high quality education to develop human resources in our nation as global citizens, is well taken by the Institution. A discussion among the faculty members were initiated on the key principles of NEP such as diversity for all curriculum and pedagogy with technological innovations in teaching and learning, encouraging logical decision making and innovation, critical thinking and creativity. In view of the NEP, the Institution has initiated new interdisciplinary centers integrating different departments in addition to the existing inter/multidisciplinary research and academics. Academic programmes are redesigned to include Multidisciplinary /Interdisciplinary courses as electives. All programmes are designed in such a way that students get maximum flexibility to choose elective courses offered by other Departments. Final year projects are given to the students based on multidisciplinary discipline. It can be said that the Institution is proactively working towards implementation of the suggestions given in the NEP.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>Provisions of Academic bank of Credit proposed in the draft of NEP to facilitate multiple entries and exit points in their academic programs. This is an innovative idea to earn and deposit credit through National schemes like SWAYAM, NPTEL. It shall be also considered for credit transfer and accumulation in this provision. The students will able to earn credits and complete the program. External and</p>

	Internal credit system is added advantage to our student community. SRIT shall abide by the curriculum and structure prepared by the Autonomous Institution in this regard.
3. Skill development:	As mentioned earlier SRIT is an Autonomous Institution and it is preparing and implementing its own curriculum. As far as skill development is concerned, SRIT offers skill development courses in VALTACE, Aptitude Training, NEOPAT etc. Mandatory core courses are offered in our Institution namely Industrial Internship Training, Aptitude Enhancement Courses (AEC), Employability Enhancement Courses (EEC), Professional Practice Courses (PPC), Online Courses, NSS / NSO Training, Certificate Courses.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The preservation and promotion of India's cultural wealth must be considered a high priority for the country, as it is truly important for the nation's identity as well as for its Economy. Tamil mandram, NSS programme and AICTE is orienting academic fraternity towards inculcation of Universal Human Values (UHV) in Technical Education is organized each and every year. In this regard, appropriate integration of the Indian Knowledge system particularly teaching in Indian languages is important
5. Focus on Outcome based education (OBE):	All programmes are offered as outcomes-based education (OBE) which are designed keeping in mind the regional and global requirements. SRIT has implemented outcome-based education with clearly stated Programme Outcomes, Programme Specific Outcomes and course outcomes. All courses are designed with outcomes centred on cognitive abilities namely Remembering, Understanding, Applying, Analysing, Evaluating and Creating. Apart from the domain-specific skills, learning outcomes at all levels ensure social responsiveness and ethics, as well as entrepreneurial skills so that student contribute proactively to economic, environmental and social well-being of the nation. The Course Objectives (COs) are also aligned to the PO-PSO. All course syllabus have been designed with due consideration to macro-economic and social needs at large so as to apply the spirit of NEP.
6. Distance education/online education:	Due to the experience gained during the closure period of Covid-19, access to online resources by

educators and students will not be a constraint anymore. Faculties are encouraged to register for NPTEL courses at SRIT which promotes the blended learning system of learning. During the Covid pandemic, online classes were conducted very effectively by all faculties in all programs. Both teachers and learners have experienced the online teaching and evaluation process through different software. So, the institution is well prepared in this regard. Many students were benefited by this facility, particularly students who are unable to enroll as a regular student can pursue higher education.

### **Institutional Initiatives for Electoral Literacy**

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>YES. ELC has been functioning since 2019.</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>Yes, Students coordinators and coordinating faculty members are appointed by the college .ELC is functioning in our college and it is actively organizing various events.</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>Electoral Literacy Club is a platform to engage college students and people in villages through interesting activities and hands-on experience to sensitize them on their electoral rights and familiarize with electoral process of registration &amp; voting. The Club has conducted drawing competition to make students aware of democratic rights which include casting votes in elections. This was designed to mimic real elections to teach students and new student votes about the whole election process. The Electoral Literacy Club conducted a seminar on "Voter Awareness" to motivate students for enhancing electoral participation of the voters in India for the year 2021-2022. The Electoral Literacy Club has conducted a awareness programme on Electronic Voting Machine Awareness Program -Your Right to Vote" for the year 2021-2022.Mrs. Ahmsaveni, Revenue Inspector of Madhampatti, Mr. Sakthivel, VAO of Perur Chettipalayam and Dr. M. Paulraj, Principal addressed the students and distributed prize to the winners of Drawing and short film making competitions conducted on the theme of YOUR RIGHT TO VOTE.</p>

<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>Several awareness events on 'Right to Vote' is organized among the students, faculty members and community at large. Various awareness drives was organized to educate the future voters about enrolment and other electoral processes. Survey was taken for the Culture of electoral participation to maximize the ethical voting and follow the principle 'Every Vote Counts' and 'No Voters to be Left Behind'.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>Concept of voter awareness forum (VAF) has been developed to spread voter awareness amongst employees of the Organization. College Level ELCs have been established for New Voters who are aged between 18-21 year.</p>

# Extended Profile

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## 1 Program

### 1.1

**Number of programs offered year-wise for last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
09	21	21	21	21
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 1.2

**Number of departments offering academic programmes**

**Response: 5**

## 2 Students

### 2.1

**Number of students year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1539	1787	1954	2132	2200
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 2.2

**Number of outgoing / final year students year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
496	646	493	551	554
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

## 2.3

### Number of students appeared in the examination conducted by the Institution, year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1536	1783	1941	2122	2199
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

## 2.4

### Number of revaluation applications year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
209	0	20	28	28

## 3 Teachers

### 3.1

#### Number of courses in all programs year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
380	415	467	436	444
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 3.2

#### Number of full time teachers year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
109	131	150	156	174
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 3.3



### Number of sanctioned posts year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
109	131	150	156	174
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

## 4 Institution

### 4.1

#### Number of eligible applications received for admissions to all the programs year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
401	351	408	518	655
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 4.2

#### Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
188	276	310	370	413
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

### 4.3

#### Total number of classrooms and seminar halls

Response: 48

### 4.4

#### Total number of computers in the campus for academic purpose

Response: 733

## 4.5

### Total Expenditure excluding salary year-wise during last five years ( INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
546.84	618.61	1021.90	874.81	928.90

## 4. Quality Indicator Framework(QIF)

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### Criterion 1 - Curricular Aspects

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#### 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 Institution.**

**Response:**

The Institution was conferred with autonomy in the year 2017. The Institution has meticulously designed the curricula for the programmes offered such that it caters to the recent advancements in industry and research. The curricula supports Outcome-based Education (OBE) framework and provides a high degree of flexibility for opting courses by the students through the Choice Based Credit System (CBCS). This provides the students with wide choices of courses without compromising knowledge on the fundamentals of the programme. Students are provided with wider choices that ensure and caters to the local, national and global developmental needs. The curriculum is approved by Board of Studies expert members at the department-level and by Academic Council members at the Institution-level. The Institution adheres to all the guidelines prescribed by UGC, AICTE and Anna University in forming the required statutory bodies involving stakeholders to design the curricula and syllabus. A department-level assessment committee prepares the curriculum framework based on:

- Department Vision and Mission, Programme Educational Objectives
- Previous experiences and inputs obtained from stakeholders
- Conclusions drawn from analysis of attainment of COs, POs, PSOs from previous cohorts
- Benchmarking of curriculum against same program run by leading educational institutions including IITs, NITs, Government Colleges, Government Aided Institutions, Best Private Institutions / Universities and International Universities.
- Guidelines of statutory bodies (AICTE, UGC) and lead societies (IEEE, ACM, ASME etc.)

Based on curricular framework, detailed course content and course outcomes are developed and verified for course flow through course alignment and delivery methodology. The designed curriculum is verified for alignment with POs and PSOs. The Academic Advisory Committee meeting is conducted to discuss the curriculum framework and recommend necessary changes. The Board of Studies (BoS) meeting is conducted to finalize the curriculum and syllabi. The suggestions and recommendations of the BoS are incorporated in the syllabus and curriculum. The syllabi and curricula are submitted for the approval of the Academic Council.

Every programme shall have a distinct curriculum with syllabi consisting of theory, theory cum practical and practical with well-defined program outcomes and program educational objectives, Skill enhancement courses (life skills and personality development) as prescribed by the Board of Studies on par with the University Grants Commission (UGC) and AICTE guidelines. The content of each course is designed based on the course outcomes. The curricular components involve Institutional Core Courses (contains courses on Humanities, Sciences and Basic Engineering), Professional Core Courses, Professional Electives and Generic Electives. Apart from the regular curriculum structure the student should undergo the mandatory courses (One Point) and earn six points to complete degree requirements. This involves

Industrial Internship Training, Aptitude Enhancement Course, Employability Enhancement Courses, MOOCs, Language Courses and Industry Connect Courses. Efforts to encourage the participation of students in International and National level expos are taken to portray the innovation, creativity and problem-solving capability of students. Further, all courses are designed in such a way that the students are able to face the professional challenges in a

n ethical and sustainable manner.

**1.1.2 Percentage of Programmes where syllabus revision was carried out during the last five years.**

**Response:** 100

**1.1.2.1 Number of all Programmes offered by the institution during the last five years.**

**Response:** 09

**1.1.2.2 How many Programmes were revised out of total number of Programmes offered during the last five years**

**Response:** 09

<b>File Description</b>	<b>Document</b>
Minutes of relevant Academic Council/BOS meeting	<a href="#">View Document</a>
Details of program syllabus revision in last 5 years(Data Template)	<a href="#">View Document</a>

**1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development offered by the institution during the last five years**

**Response:** 93.7

**1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year-wise during the last five years..**

2021-22	2020-21	2019-20	2018-19	2017-18
360	395	435	404	412

<b>File Description</b>	<b>Document</b>
Programme / Curriculum/ Syllabus of the courses	<a href="#">View Document</a>
MoU's with relevant organizations for these courses, if any	<a href="#">View Document</a>
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	<a href="#">View Document</a>
Average percentage of courses having focus on employability/ entrepreneurship(Data Template)	<a href="#">View Document</a>

## 1.2 Academic Flexibility

<b>1.2.1 Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</b>	
<b>Response:</b> 21.18	
1.2.1.1 How many new courses are introduced within the last five years	
Response: 208	
1.2.1.2 <b>Number of courses offered by the institution across all programmes during the last five years.</b>	
Response: 982	
<b>File Description</b>	<b>Document</b>
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

<b>1.2.2 Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</b>	
<b>Response:</b> 100	
1.2.2.1 <b>Number of Programmes in which CBCS / Elective course system implemented.</b>	
Response: 09	
<b>File Description</b>	<b>Document</b>
Minutes of relevant Academic Council/BOS meetings	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

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

#### Response:

It is in fact a challenging task to address the transition period from school to college since the students arrive from diverse socio-economic background. The institution offers various curricular and co-curricular options to ensure Professional ethics, gender equality, human values and concern over environment and sustainability.

#### Professional Ethics and Human Values

The students who are admitted in the I year B.E./ B.Tech. programmes attend a 3-week induction program as per the guidelines of AICTE. Faculty members who have received special training through AICTE and Anna University train the students in various dimensions which includes training related to Universal Human Values and Ethics. Further, in R2017, during the first year, one of the course is based on Professional Ethics pertaining to their domain of study in all the programmes. In R2020, Universal Human Values –II is included as a mandatory course for all the students. The NSS and YRC unit of the institution actively organize various events which help the students to understand the essentiality of Human Values and Team work.

#### Gender Sensitization

The students are given sufficient inputs for treating the fellow human beings and members of other gender with dignity and respect. The Women Empowerment Cell, Gender Champion Club and Women in Computing actively conduct programs on women empowerment, gender sensitization and equity and social responsibility.

#### Environment and Sustainability

Environmental science is a mandatory course to all branches of B.E / B.Tech. students. The students are given a demonstration of the solar panels, STP in the campus, exposing them to energy conservation, renewable energy sources, water recycling and conservation. Clubs such as Renewable Energy Club conduct various programs to educate the students about the importance of renewable energy for a sustainable environment.

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	<a href="#">View Document</a>

**1.3.2 Number of value-added courses for imparting transferable and life skills offered during last five years.**

**Response:** 75

**1.3.2.1 How many new value-added courses are added within the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
15	15	15	15	15

**File Description**

**Document**

List of value added courses (Data Template)

[View Document](#)

**1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.**

**Response:** 80

**1.3.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
1325	1564	1258	1562	1952

**File Description**

**Document**

List of students enrolled

[View Document](#)

**1.3.4 Percentage of students undertaking field projects/ internships / student projects (Data for the latest completed academic year)**

**Response:** 33.01

**1.3.4.1 Number of students undertaking field projects / internships / student projects**

Response: 508

**File Description**

**Document**

List of programs and number of students undertaking field projects / internships / student projects (Data Template)

[View Document](#)

## 1.4 Feedback System

**1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni**

**Response:** B. Any 3 of the above

<b>File Description</b>	<b>Document</b>
Action taken report of the Institution on feedback report as minuted by the Governing Council, Syndicate, Board of Management	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

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

**Response:** E. Feedback not obtained

<b>File Description</b>	<b>Document</b>
URL for stakeholder feedback report	<a href="#">View Document</a>



## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average Enrolment percentage (Average of last five years)

**Response:** 67.05

##### 2.1.1.1 Number of students admitted year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
337	389	389	513	659

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
387	585	732	912	912

File Description	Document
Institutional data in prescribed format (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy ) during the last five years ( exclusive of supernumerary seats)

**Response:** 56.09

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
128	126	146	190	282

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

## 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

#### Response:

Students across the various programmes of study are assessed through continuous and summative evaluation throughout their learning period and are provided with necessary support.

The process of identifying slow and advanced learners is based on,

- Performance in the student's higher secondary examinations
- Medium-of-study
- Performance in the internal tests

Freshers are assessed for proficiency in the communication skills based on the interaction in the classes. Students are trained and are made to appear for the Business English Certificate (BEC) Examinations of Cambridge University, UK. The meritorious students in the BEC preliminary level are encouraged for the BEC second level examinations – Vantage.

Mentoring system in vogue helps interaction with the mentors, providing opportunity for identifying the varied academic needs and suggesting appropriate measures, for both slow and fast learners.

Students can earn additional credits through online courses like NPTEL/ SWAYAM/Coursera and can transfer credits for the CGPA calculation.

In laboratory session, experiments are conducted beyond prescribed syllabi which helps advanced learners to carry out the mini projects.

#### **SPECIAL PROGRAMMES FOR ADVANCED LEARNERS**

Students with fast-learning abilities are motivated to do mini projects and participate in national as well as international competitions and Hackathons. They are also encouraged to present technical papers in conferences/symposiums and publish their innovation in journals and patent the inventions in addition to regular courses. Advanced learners can send the funding proposals and get benefitted through the seed money granted by SRIT-RPS (Research Promotion Scheme) which will be selected after evaluation by expert team.

Students with problem solving ability are encouraged to take-up internship in industry and to participate in International Internship programme in foreign Universities.

Advanced learners are permitted to undergo the pre-placement Internships offered by the companies in their seventh/eighth semester of study before the completion of the B.E. programme.

Also to enhance the entrepreneurial skills of the students, two separate start-ups

**Advanced learners are encouraged to utilise, VALTACE**(Verbal Analytical Logical Technical Assessment of Competency towards Employability), an Assessment Platform developed by Sri Ramakrishna Institute of Technology to assess a graduate's competency and enhance their skill. It is a suitable assessment platform for Recruitment, Training, Certification and Exams. Advanced learners are also motivated to use **NeoPAT**, a Digital Placement and Training Platform, that helps up-skilling of students and making them placement-ready.

### **SPECIAL PROGRAMMES FOR SLOW LEARNERS**

Remedial/Reappearance classes are conducted after the college working hours for the students who are unable to score good marks in the internal assessment tests/End Semester Examinations. Bridge courses are conducted for first year and lateral entry students on Mathematics and English that will bridge the gap between subjects studied at school/diploma level and subjects they would be studying in Graduation.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

#### **2.2.2 Student - Full time teacher ratio (Data for the latest completed academic year)**

**Response:** 14:1

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

## **2.3 Teaching- Learning Process**

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

**Response:**

As an Autonomous Institution practicing Choice Based Credit System, the curricula and teaching-learning methods are structured in such a way that it ensures student-centric and participative learning.

#### **1) Experiential learning**

**Projects:** Curricula has Integrated Design Project and Final Year Project work, involving a task or problem taken up by the Project team members. The students are encouraged to undertake projects as an interdisciplinary activity motivating multidisciplinary learning. Students join with faculty members in executing projects funded by the Government agencies thereby providing opportunity to get hands-on experience in handling equipment, instruments and machines.

**Internships / Inplant Training:** Internship offers meaningful, practical work related to a student's field of study or career interest and Inplant trainings provide opportunity for the students to understand and learn

the actual scenario taking place in an Industry. Students take up with a minimum of 14 days training in an Industry. Students are encouraged to participate in International Internship programme. The internship in foreign countries would help the students to learn new culture, experience new environments, new language as they get a chance to mingle with versatile personalities.

**Industrial visits:** Industrial visits help the students to Interact and learn from experts in the industry. Also it offer an opportunity for students to experience the real machines, workstations, systems, plants, etc., and get to learn how the system works from the experienced experts in the industry. Outbound Training is an activity based behavioral training mechanism based on experiential learning methodology of "learning by doing", "hands-on experience" and includes outdoor, adventure, team building activities that engage participants to bring out the desired learning outcomes. ?

**Experimental Learning:** The curricula components are enriched with Embedded courses – where theory and practical components are taught simultaneously/parallel to understand concepts.

## 2) Participative and Student centric learning

The main objective of participative and student centric learning is to increase the involvement of the students in learning process rather than merely listening to the lectures delivered. The academic regulations have provisions to make participative learning more effective.

**Poster Presentations, Assignments and Quizzes:** Poster Presentations, Assignments and Quizzes with separate weightages for the internal assessment are incorporated in each course.

**Self – Learning:** The faculty mentors motivate the students to learn online through NPTEL / SWAYAM/ Coursera/edX portals obtaining certifications. This self-learning aids in credit transfer and are reflected in the semester mark sheets.

## 3) Problem solving methodologies:

**Project Based Learning** is an approach designed to give students the opportunity to develop knowledge and skills through engaging projects set around challenges and problems they may face in the real world.

**Pre-placement internships** are undergone by students in companies to solve the problems assigned to them. The faculty inculcate problem solving methodologies and skills to the students for analytical courses through tutorial sessions.

File Description	Document
Any additional information	<a href="#">View Document</a>

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

**Response:**

In order to enhance the learning experience, to provide better user-experience, state-of-the-art educational technologies are employed in the teaching-learning process. SRIT has good networking facility connecting every part of the campus for quick and easy access of contents from the Intranet / Internet, WiFi connectivity in the classrooms. All the faculty members of SRIT own personal laptops. Students are encouraged to use the facilities available in the institution.

The lecture halls and seminar halls are provided with audio-visual aids like LCD projectors with speakers and internet connectivity. The faculty members present the lectures through slides and wherever appropriate download video contents and lectures from portals like NPTEL / SWAYAM. The lecture and video presentations, improve the understanding of the concepts. For the presentation of lecture materials, 66 lecture halls are provided with LCD projectors and 41 lecture halls are equipped with smart boards that aid in better delivery of the contents. The faculty use flipped class rooms where the contents are posted to the students in advance and they come prepared for a discussion. Students can use SRIT Moodle and Google Classroom for accessing the lecture materials. Also, the students can use scribed, slideshare and youtube platforms to access the course materials. This facilitates teachers to be mentors to improve learning outcomes, than mere teachers. Tools like Google class room, Zoom and Microsoft teams are also used both for learning and assessment. Video conferencing, Skype facilities are made available for interacting with experts, alumni and peer groups for value added discussions related to emerging topics.

Laboratories are equipped with computing facilities and are installed with licenced software for the simulation and analysis of the experiments and projects.

### Learning Resources

The library of the college has provided access to IEEE Xplore, National Digital Library, and the electronic resource packages like DELNET, NPTEL, and Digital Library. The research journals are available online and facility for accessing these journals is provided. Every department maintains a department library with adequate number of text books and reference books.

### Institution Management System

The institution Management System (IMS) is an online- platform that manages, student attendance, internal assessment, end-semester assessment, and conversion of marks to grades.

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process	<a href="#">View Document</a>

### 2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )

**Response:** 14:1

### 2.3.3.1 Number of mentors ?????????????? ???????

Response: 109

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll	<a href="#">View Document</a>
Circulars pertaining to assigning mentors to mentees	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.3.4 Preparation and adherence of Academic Calendar and Teaching plans by the institution

#### Response:

Activities of the Academic Year are planned in advance considering the inputs received from Statutory Bodies, Government (Holidays), Accreditation related activities and Clubs and Societies. Preparation of such an inclusive calendar helps SRIT to optimize the resource utilisation, planning the Institution-level events like sports day, technical symposia, graduation day and celebration of other important days. Academic Schedule helps to plan/optimize common facilities, laboratories, internal assessments and end semester examinations. The Academic Schedule is strictly adhered.

#### Teaching Plan:

**Undergraduate Academic Form:** Each course consists of separate Undergraduate Academic Form (UAF). The course plan is prepared by the course coordinator ahead of the semester and approved by the programme coordinator and Head of the Department. The course plan consists of Course code, Title, Course synopsis, syllabus, Course outcomes mapped with Program Outcomes (POs) and Program Specific Outcomes (PSOs) along with the Internal and External Assessment schemes. The form also incorporates the lecture plan for all the 15 weeks along with the mode of delivery.

#### Timetable

The timetable is planned well in advance before the commencement of classes for each semester, 5 days per week, 7 periods / day, 50 minutes per period. The master time table coordinator for the institution ensures the workload to every faculty member is as per the prescribed norms. The timetable is also prepared such that 3 credit courses have a minimum of 3 lecture hours per week and 4 credit courses given a tutorial hour additionally. Practical courses are planned such that one laboratory session (3 hours) is conducted every week for every practical course. The time table also includes placement training, tutor ward meeting, project hours, library hours, Association hours along with details of class room allocation, name of faculty designated for each course and tutorial class along with tutors,

#### Tutorials

Four Credit courses are planned to include tutorials which are generally academically challenging and more rigorous. They are conducted for subjects of highly analytical nature, with the objective to increase

problem solving capabilities, analytical thinking and logical ability

### Practical Sessions

A manual related to the lab will be issued to the students at the beginning of the semester. Students are expected to come prepared for conducting the experiment that is scheduled. The Laboratory records are evaluated after the experiment is completed. Innovative experiments are added in the laboratory experiments to ensure better understanding of the concept. To enable students to carry out any innovative idea, the laboratories are open and a faculty will be available for discussion even after the college hours.

File Description	Document
Upload Academic Calendar and Teaching plans for five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years(Data Template)	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 27.22

#### 2.4.2.1 Number of full time teachers with Ph.D./D.M/M.Ch./D.N.B Superspeciality/D.Sc./D'Lit. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
33	39	41	41	39

File Description	Document
Institutional data in prescribed format (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**

**Response:** 4.18

**2.4.3.1 Total experience of full-time teachers**

Response: 456.0

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

## 2.5 Evaluation Process and Reforms

**2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results year-wise during the last five years**

**Response:** 31.26

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

2021-22	2020-21	2019-20	2018-19	2017-18
72.3	45.5	6	15	17.5

File Description	Document
Institutional data in prescribed format (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years**

**Response:** 3.45



### 2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
209	0	20	28	28

File Description	Document
Number of complaints and total number of students appeared year wise	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

#### Response:

Office of the Controller of Examinations, established with defined roles, systems and procedures, provides adequate scope for introducing reforms in scheduling, assessments, evaluation, processing of question papers and scrutiny and publication of results in the personalised way for individual candidates with transparency, equal opportunity for all verifiable evidences without any deviation. Such reforms are implemented with automation, integration of IT infrastructure and tools for data accuracy, reliability, completeness, retrieval, timeliness with transparency. The Examination Management System is implemented in carrying out continuous internal assessment, end semester examinations and other related activities.

Preparation of examination calendar, activities related to selection and appointment of examiners for question paper setting, scrutiny of question papers for correctness, calculation of Continuous Internal Assessment (CIA) from various components, processing of CIA with final evaluation, declaring results with grades, submission of requests for revaluation are carried out through software system with complete transparency while ensuring security and confidentiality. The results of the examinations are published online on the same day of the result passing board meeting.

Dissemination of information related to End Semester Examination schedule, hall and seating arrangement and issue of Hall Ticket to students are sent through common announcements in the notice board and web portal for easy access. Evaluated answer scripts of the ESE are given to the students who opt for retotalling, revaluation thereby ensuring the confidence on the system with reduced cycle time.

During the COVID-19 pandemic IT systems were deployed to conduct online examinations with appropriate front and backend software support, video and artificial intelligence-based proctoring, which mitigates the malpractices and improve the confidence on the examination system of SRIT, reinforce the ethical practices in the learning process. Entire process may be reviewed and audited in the digital form with continuous screen-shots.

The impact of IT integration on examination reforms are as below:

Process	Impact
CIA marks: Online entry of internal assessment marks	Speeds up the process
Online course registration	
Computerized end semester examination and valuation	
Valuation mark entry and printing with dummy number	
Result Publication	Valuation allotment, Revaluation and Photocopy of answer script made easy
Reports	Students will be able to view results through web instantly
Eligible candidates for award of degree	Pass percentage and Consolidated Statement a moderation
	Name list with CGPA and classification based on regulations to university

An University Nominee for the Result Passing Board audits all processes at the time of publication of results. Further, the quality of question papers, mode of evaluation and other parameters related to evaluation such as grade distribution, deviation of assessment components against the class average.

### Continuous Internal Assessment (CIA)

The internal assessment marks earned by every student course wise is calculated by the course coordinator and posted in the examination system after approval by the Head of the Department, Institution Academic Committee and the Principal. Cumulative Attendance Percentage (CAP) is calculated for all the courses every semester and students failing to earn the required attendance is not allowed to appear for the end semester examination of that course.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

**2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.**

### Response:

All the departments of the college plan their curriculum and the communication of important elements (vision, mission, PEOs, POs, COs) to the teachers and students in the following manner.

- The Vision and Mission statement of the department are defined in correlation with the Vision and Mission of the Institution.
- An Academic Advisory Committee (AAC) of the department chaired by the HOD with senior

members of the faculty and experts from Academic and Industry define the vision; mission, PEOs and PSO statements which are approved by the Principal before publication.

The views of the stakeholders are obtained through the following surveys recommended by the AAC for adding value to the Vision, Mission, PEO and PSO statements:

- Alumni survey
- Employer survey
- Feedback from students
- Feedback from parents

The AAC has fifteen members of which one person is the chairperson of the committee. The Head of the Department is the Chairperson and the other members are:

- Two Members from Industry
- Six Members of Faculty
- Two Members from renowned Alumni Association
- Two Parents of Second Year and Third Year Students
- Two Student Members from Final Year

The PSOs and PEOs of the programme are reviewed regularly and checked with the vision and mission of the department for compatibility. This is done through department meetings, meetings of BOS. Exit survey of students is used to incorporate the changes, if any.

Programme outcomes as instructed by National Board of Accreditation (NBA) are used in the curriculum development and Programme specific outcomes are framed by the Programme Advisory committee.

The Vision and Mission of the Department, PEOS, POs , their correlation, Programme outcomes, programme specific outcomes, the curriculum, and the course outcomes are displayed in the college website under the department section. The curriculum book in the printed form is distributed to the students when they are admitted to the college. The PEOs, POs and PSOs are printed and displayed in various laboratories ,Classrooms and prominent places in the college campus. The course outcomes are distributed to the students by the instructors for various courses through the respective course plans.

The course outcomes are framed using a matrix that represents the relationship among courses of study and the POs/PSOs. The outline of the courses satisfy the norms of University Grants Commission (UGC ), Anna University -Chennai and All India Council for Technical Education.

File Description	Document
Upload COs for all courses (exemplars from Glossary)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### **2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.**

**Response:**

The assessment process used to measure the attainment of Course Outcomes is described as follows,

The assessment process uses both direct and indirect methods to measure the attainment of each outcome. The examples of such measures are given below:

<b>Theory Courses</b>	<b>Laboratory Courses</b>	<b>Project Work</b>
Internal Test I	Record	Periodical Review
Internal Test 2	Test 1	Project Report
Laboratory(if any)	Viva Voce	End Semester Examination
Assignment	End Semester Examination	
Quiz		
Problem Based Learning		
Mini Project		
End Semester Examination		
Continuous Internal Assessment		

Attainment of course outcomes

Mapping table is constructed to link the questions in examinations with relevant course outcomes.

Evaluation of the question is done and the learning levels of students like knowledge, apply, solve evaluate and design are judged in the form of marks. Question wise student performance is tabulated for measurement of attainment level average marks is considered.

Target is stated in terms of percentage of students getting more than class average marks or set by the program in each of the associated COs in the assessment instruments (midterm tests, assignments, mini projects, reports and presentations, etc. as mapped with the Cos)

The attainment level for the Continuous Internal Assessment is measured on a 3 point scale

<b>Criteria</b>	<b>Level</b>
70% and above scoring more than 65% marks	3
>= 60% to <70% scoring more than 65% marks	2
>= 50% to <60% scoring more than 65% marks	1

## Assessment Tools and Process

Measurable	:	Realization of Course outcomes
Members	:	Students
Methodology of Data Gathering	:	Internal Marks, Assignments, Quiz, Laboratory Component, Problem Based Learning, Mini Project
Data Collection Frequency	:	Each Semester
Data Collection Responsibility	:	Course Coordinator
Statistical Analysis	:	Descriptive and/or inferential
Frequency of Analysis and Interpretation	:	Every Semester

## Attainment of Program Outcomes

Assessment Tools are categorized into direct and indirect methods to assess the Program Outcomes (POs) and Program Specific Outcomes (PSOs)

### Direct Assessment:

Continuous internal evaluation and End semester examinations are used for CO calculation. Rubric values calculated for individual courses are formulated and summed up for assessing the POs. The weighted average of the POs for all the courses is calculated.

### Indirect Assessment:

The exit survey is a questionnaire prepared by faculty members and answered by every individual student about the program after the completion of program. This is collected from the graduating students of that academic year.

The employer survey is obtained from the employers where the graduating students are employed.

Overall PO and PSO attainment values are calculated by assigning weights to the various assessment tools.

90% and 10% of weights are assigned for the direct and indirect assessments respectively.

Sample calculation of CO, PO and PSOs is furnished in the Additional Information.

File Description	Document
Any additional information	<a href="#">View Document</a>

<b>2.6.3 Pass Percentage of students(Data for the latest completed academic year)</b>	
<b>Response:</b> 98.59	
<b>2.6.3.1 Total number of final year students who passed the examination conducted by Institution.</b>	
Response: 489	
<b>2.6.3.2 Total number of final year students who appeared for the examination conducted by the Institution.</b>	
Response: 496	
<b>File Description</b>	<b>Document</b>
Upload List of Programmes and number of students passed and appeared in the final year examination(Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for the annual report	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

<b>2.7.1 Online student satisfaction survey regarding teaching learning process</b>	
<b>Response:</b> 3.8	
<b>File Description</b>	<b>Document</b>
Upload database of all currently enrolled students	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Promotion of Research and Facilities

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

**Response:**

The Research Policy of the Institution is framed to motivate and encourage faculty members and students to conduct research in emerging areas related to their domain of study. The policy enables and encourages researchers to undertake interdisciplinary and multidisciplinary research which culminates in innovative and society conscious outcomes. The research ecosystem is enriched by formulating research clusters in thrust areas. A research cluster is a formally recognized group of researchers whose research expertise is applied either to a common area, field, theme, or involved in a collaborative research project. Collectively, the quality-assured research publication of the faculty members will constitute a substantial body of knowledge. The research record of each member of the cluster should equip him or her to provide research-informed expertise in supervising the students for writing the theses in the field of the researcher. The clusters objectives are as follows:

- Bring together, and provide a supporting and stimulating collegial context for researchers, post graduate students, and doctoral fellows working on topics of common or related interest, with the aim of increasing the eligible research outputs of the Cluster.
- Attract internal and external research funding for collaborative research, with the aim of being upgraded to a Research Theme or Research Centre funded by the funding agencies.
- Provide direction for future collaborative research. The following Research Clusters have been established in the Institution for promoting research.

1. **Advanced Computing Technologies Research Cluster**
2. **Green Environment Research Cluster**
3. **Intelligent Signal Processing Research Cluster**
4. **Advanced Image Processing Research Cluster**
5. **Advanced Theoretical Computer Science Research Cluster**
6. **Advanced Mathematics and Science Research Cluster**
7. **Advanced Manufacturing Technology Research Cluster**
8. **Alternate Energy Research Cluster**

The clusters conduct research related seminars, workshops, symposium and conferences in their relevant areas, various infrastructures are created to work in the cutting edge technologies. All the laboratories are updated with modern tools and softwares to cater the product development.

1. Artificial Intelligence Laboratory

2. Brain Computer Interface Laboratory

3. Texas Instrument Laboratory

4. Robotics Laboratory

### 5.3D Printing Laboratory

Some of the projects carried out are:

1. Drone Based Smart Pesticide Sprinkler for Agriculture
2. AI Incorporated Pick and Place Robotic Arm using ROS
3. Electroencephalography Based Assistive Robot
- 4 .Solar Water Pump for Agriculture Purpose Using Induction Motor
5. Solar Powered Lawn Managing Movable Device
- 6 .Solar Powered Crop- Field Monitoring using Android Application
7. Solar Powered Water Hyacinth Removal with Load Equalization
8. Solar Powered Smart Phone Charger

### Collaborative and Sponsored Research

The faculty members are encouraged for research collaborations with Government research labs and research departments of industries. They are encouraged to submit proposals for Management funding and extra-mural funding from different agencies.

### Seed Money under SRIT-RPS

The institution provides a seed money to support the initial research to lead to further funding.

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	<a href="#">View Document</a>
URL of Policy document on promotion of research uploaded on website	<a href="#">View Document</a>

### 3.1.2 The institution provides seed money to its teachers for research (average per year, INR in Lakhs)

**Response:** 2.37

3.1.2.1 The amount of seed money provided by institution to its faculty year-wise during the last five years (INR in lakhs).



2021-22	2020-21	2019-20	2018-19	2017-18
2.65	0	2.5	5.97	0.71774

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

### 3.1.3 Percentage of teachers awarded national / international fellowship for advanced studies/research during the last five years

**Response:** 0.28

#### 3.1.3.1 The number of teachers awarded national / international fellowship for advanced studies / research year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	2	0	0

File Description	Document
List of teachers and their international fellowship details	<a href="#">View Document</a>
e-copies of the award letters of the teachers	<a href="#">View Document</a>

## 3.2 Resource Mobilization for Research

### 3.2.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

**Response:** 207.29

#### 3.2.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
0.45	0	149.55	35.09	22.196

File Description	Document
List of project and grant details	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by government and non-government	<a href="#">View Document</a>

### 3.2.2 Percentage of teachers having research projects during the last five years

**Response:** 5.69

#### 3.2.2.1 Number of teachers having research projects during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
9	4	11	8	9

File Description	Document
Names of teachers having research projects	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.2.3 Percentage of teachers recognised as research guides

**Response:** 19.27

#### 3.2.3.1 Number of teachers recognized as research guides

Response: 21

File Description	Document
Upload copies of the letter of the university recognizing faculty as research guides	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.2.4 Average percentage of departments having Research projects funded by government and non-government agencies during the last five years

**Response:** 46.29

**3.2.4.1 Number of departments having Research projects funded by government and non-government agencies during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
3	3	3	3	3

**3.2.4.2 Number of departments offering academic programmes**

2021-22	2020-21	2019-20	2018-19	2017-18
5	7	7	7	7

<b>File Description</b>	<b>Document</b>
Supporting document from Funding Agency	<a href="#">View Document</a>
List of research projects and funding details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.3 Innovation Ecosystem

**3.3.1 Institution has created an eco system for innovations, creation and transfer of knowledge supported by dedicated centers for research, entrepreneurship, community orientation, Incubation etc.**

**Response:**

**Institutions Innovation Council (IIC)**

Institutions Innovation Council of Sri Ramakrishna Institute of Technology was constituted in the year 2019-2020 as per the guidelines received from the All India Council for Technical Education (AICTE) and Ministry of Education (MoE) Government of India and has been running successfully since 2019-20. The office bearers for the IIC- SRIT includes members from Industry, Academic, Legal advisers and Students. IIC has trained 12 Innovation Ambassador trained by IIC-MHRD. The vision of the council is to cultivate the Innovation mindset and create an Innovation eco system among the young minds. This council organizes and conducts events from time to time as prescribed by IIC-MIC.

The total academic year was splitted into four quarters and events will be conducted as per the IIC Calendar. Every quarter before conducting the events all council members are called for a Council meeting

to discuss about the progress during the last quarter and action plan for the next quarter. Apart from the IIC Calendar events it organizes events which are having national importance such as National Science Day, National Innovation Day, and National Startup day and so on. Under IIC-SRIT, an Intellectual Property Cell (IPR-Cell) that constitute to help students to protect their innovations through patents, copyrights and helps students to draft their patents and provide guidance to apply for patents.

### **Centres of Research**

**The following departments are recognized as Research Centre under Anna University, Chennai.**

1. Electronics and Communication Engineering
2. Electrical and Electronics Engineering
3. Computer Science and Engineering
4. Mathematics Department
5. Physics Department

### **Innovation and Entrepreneurship Development Centre**

Sri Ramakrishna Institute of Technology has established the innovation ecosystem under SRIT-IEDC (Sri Ramakrishna Institute of Technology, Innovation and Entrepreneurship Development Centre). Goal of this Innovation Cell is to foster creativity and innovation in order to conduct multidisciplinary research and solve problems. A senior member serves as the leader of this Innovation Cell. The Ministry of Human Resource Development (MHRD) has awarded the Innovation Cell a 2-star grade as an innovation council.

To protect the innovations by the students and faculty an Intellectual Property Rights (IPR) cell also established under IIC-SRIT. The IPR Cell extends its support in patent searching, drafting and filing of IPR produced by innovations, projects, research, and joint ventures between SRIT and Industries. To promote research activities, a committee made up of faculty members, students, attorneys, and entrepreneurs has been constituted.

DST and Self Sponsored Entrepreneurship Awareness Camp (EAC) were conducted to ignite young minds towards entrepreneurship and certification courses were also organised for the betterment of students. This innovation ecosystem encourages students and faculty members to kick start their start-ups through their innovations. The students have initiated start-ups such as Mechatron motors, Shrimphoard Technologies Pvt Ltd and Pezray Technologies.

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

### **3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.**

**Response: 10**

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

2021-22	2020-21	2019-20	2018-19	2017-18
08	2	0	0	0

<b>File Description</b>	<b>Document</b>
List of workshops/seminars during last 5 years	<a href="#">View Document</a>

### 3.4 Research Publications and Awards

**3.4.1 The Institution ensures implementation of its stated Code of Ethics for research through the following: 1. Inclusion of research ethics in the research methodology course work 2. Presence of Ethics committee 3. Plagiarism check through software 4. Research Advisory Committee**

**Response: A. All of the above**

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

**3.4.2 Number of Ph.D's registered per teacher (as per the data given w.r.t recognized Ph.D guides/supervisors provided at 3.2.3 metric) during the last five years**

**Response: 2.19**

3.4.2.1 How many Ph.Ds are registered within last 5 years

Response: 46

3.4.2.2 Number of teachers recognized as guides during the last five years

Response: 21

<b>File Description</b>	<b>Document</b>
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
URL to the research page on HEI web site	<a href="#">View Document</a>

**3.4.3 Number of research papers per teachers in the Journals notified on UGC website during the**

**last five years**

**Response:** 1.49

3.4.3.1 Number of research papers in the Journals notified on UGC website during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
36	41	45	52	41

**File Description**

**Document**

List of research papers by title, author, department, name and year of publication

[View Document](#)

**3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years**

**Response:** 0.59

3.4.4.1 Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
12	23	21	14	15

**File Description**

**Document**

List books and chapters in edited volumes / books published

[View Document](#)

**3.4.5 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed**

**Response:** 5.6

**File Description**

**Document**

Bibliometrics of the publications during the last five years

[View Document](#)

Any additional information

[View Document](#)

### 3.4.6 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 16.5

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

## 3.5 Consultancy

### 3.5.1 Revenue generated from consultancy and corporate training during the last five years (INR in Lakhs).

Response: 0

#### 3.5.1.1 Total amount generated from consultancy and corporate training year-wise during the last five years (INR in lakhs).

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
List of consultants and revenue generated by them	<a href="#">View Document</a>

### 3.5.2 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs).

Response: 48.74

#### 3.5.2.1 Total amount spent on developing facilities, training teachers and staff for undertaking consultancy during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
1.143	0.64	39.48	6.84	0.64

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

### 3.6 Extension Activities

#### 3.6.1 Extension activities are carried out in the neighbourhood community, sensitising students to social issues, for their holistic development, and impact thereof during the last five years

##### Response:

- The student community is being helped by implementing the government reservation schemes and offering good scholarships for both merit and economic basis.
- The major strength of this college is its ability to ensure holistic development of students to make them responsible citizens by teaching the moral values.
- The college management motivates the students social participation and also drives to achieve its goal of providing higher technical education to create equitable society with ethical values.
- To provide quality based education to the students by inculcating moral values, scientific temper and employing state of art technologies.
- It aims to pursue excellence towards creating students with high degree of intellectual, professional and cultural development to meet the national and global challenges.
- The institute is conscious of its role in campus community connection, wellbeing of its neighborhood and has initiated a number of community development activities.  
These activities include
- Students of SRIT have visited Pachaapalayam village on 07.11.2017 to provide energy awareness among the people.
- Rotary club of SRIT has conducted awareness programme across 24 villages in Coimbatore South taluk on 19.11.2017 in connection with the World Toilet Day.
- Conducted Energy Conservation Awareness programme for Government Matriculation Higher Secondary School, Selvapuram.
- NSS Volunteers activity participated in **100 hours** Swachh Bharat Summer Internship at Karadimadai from 1st May to 31st June 2018.
- The Coimbatore District Forest Department organized Tiger Estimation Survey in and around Coimbatore from 08 to 12.10.2018. The NSS unit has organized NSS Special Camp in Theethipalayam village .
- Sri Ramakrishna Educational Institutions in association with Coimbatore Corporation and Srithuli organized a programme on “Adopt a tree and Nurture it on” 15.08.2019 at Vellalore, Coimbatore.
- Dental camp was organized for the people of pachaapalayam.
- Dengue and swine Flu Awareness programme on Government Primary Health center , Thondamuthur.



- Fire Safety Awareness programme conducted in association with Sri Ramakrishna Hospital, Coimbatore.
- Helmet Awareness and Road Safety programme in association with Perur-Chettipalayam Police station.
- The NSS unit has organized NSS Special Camp from 28.02.2020 (Friday) to 05.03.2020 (Thursday) Theethipalayam, Perur Chettipalayam.
- Our Volunteers created door to door awareness and needs about the policy NEP 2020 in the villages pachaapalayam, Perur, Kuppanur, Kalampalayam, Theethipalayam.
- The free vaccination camp for Students and adopted villages was conducted on 01.09.2021 by Sri Ramakrishna Hospital, Coimbatore and Rotary Club in presence of Principal, Health Inspector, village Head. 100 students and 500 villagers with NSS volunteers have benefited.
- Awareness Programme was conducted for the people of Pachaapalayam to prevent from Covid 19.
- Blood donation camp for people of Pachaapalayam and Perur.
- A hands on Workshop on “Projects with Arduino open source platform” was conducted at Sri Ramakrishna Polytechnic College, Coimbatore on 6 & 7 December 2021. Sixty Students were benefitted programming of microcontrollers and innovative projects with Arduino.
- These activities help the students to practice good citizenship and give them service orientation. The students also actively involved in popularization of greenery in college campus.

### 3.6.2 Number of awards and recognition received by the Institution, its teachers and students for extension activities from Government / Government recognised bodies during last five years

**Response: 5**

#### 3.6.2.1 Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

2021-22	2020-21	2019-20	2018-19	2017-18
1	1	0	0	3

File Description	Document
Number of awards for extension activities in last 5 year	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

### 3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

**Response:** 43

**3.6.3.1 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
5	7	9	6	16

<b>File Description</b>	<b>Document</b>
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	<a href="#">View Document</a>

**3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years**

**Response:** 62.97

**3.6.4.1 Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
922	1182	1129	1057	1792

<b>File Description</b>	<b>Document</b>
Reports of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>

### **3.7 Collaboration**

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

**Response:** 4.8

**3.7.1.1 Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work**

2021-22	2020-21	2019-20	2018-19	2017-18
4	5	7	6	2

File Description	Document
Number of Collaborative activities for research, faculty etc	<a href="#">View Document</a>

**3.7.2 Number of functional MoUs with institutions of national, international importance, other institutions, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)**

**Response: 15**

**3.7.2.1 Number of functional MoUs with institutions of national, international importance, other Institutions, industries, corporate houses etc. year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
4	3	1	0	7

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other Institutions etc during the last five years	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

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

**Response:**

Sri Ramakrishna Institute of Technology (SRIT) has a total land area of 49.9 acres for institutional purposes with a built-up area of 63684.85 sq. m. All the departments are designed with ambient lecture halls and laboratories with ICT facilities in accordance with AICTE and Anna University recommend requirements for efficient conduct of programmes approved and affiliated by them. SRIT has good infrastructure facilities required for academic (Teaching-Learning and Research), extra and co-curricular activities, administrative and amenities purposes.

**Table 4.1.1 Infrastructure Facilities**

S.No	Facilities Required	AICTE Requirement	Available at SRIT
1	Land area (Acres)?	7.5?	49.99
2	Instructional Area (sq.m.)?	16385?	24916.39
3	Administrative Area (sq.m.)?	770?	3418.85
4	Amenities Area (sq.m.)?	370?	24058.07
5	Total Classrooms and Area	45 no. & 2970 sq.m	45 nos & 5463.2
6	Total Tutorial Rooms and Area	10 no. & 330 sq.m	10nos & 543.86
7	Laboratories and Area	40 no. & 2640 sq.m	40 nos & 6703.77
8	Drawing Hall (sq.m.)?	396?	397
9	Seminar Halls	396?sq.m	1552.7
10	Auditorium (sq.m.)?	400	1300.64
11	Library Books (Volumes)	12750	40656
12	Computers (no.)?	464	733
13	Printers (no.)?	23	87
14	ERP System?	Desirable?	SRIT - IMS
15	Bank / ATM?	Desirable?	1 ATM
16	Transport?	Desirable?	7 Buses, 3 cars,

17	Industry Sponsored Labs?	Not Required??	1 Ambulance 2 labs available
----	-----------------------------	----------------	---------------------------------

Out of the total built up area 63684.85 sq. metre, 3418.85 sq metre are allocated for administrative purpose which accommodates offices for admission, alumni, technology and administrative services, accounts, purchase, maintenance and security service, controller of examinations, outreach programs. Buildings are constructed with natural ventilation, aeration and have ramps for differently abled students and has well connected footpath. Playgrounds have been established in an area of 10.9 acres. Other physical facilities include : solar power generation and distribution, space (250kW), sewage treatment plant, waste segregation and disposal – vehicle parking, gymnasium and indoor games, rain water recharging and collection pond, residential complex for students and staff, open air auditorium, transport station, halls for cultural activities, physical, digital security and surveillance systems, offices for civil, electrical and building maintenance works. All the academic blocks, laboratories and hostels are connected through internet/wi-fi facility.

<b>File Description</b>	<b>Document</b>
Upload Any additional information	<a href="#">View Document</a>

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

**Response:**

The institution has excellent facilities for games, sports, yoga and cultural activities. The institution has athletic grounds. Total area of the SRIT playgrounds is 10 acres. The list of facilities along with the area is presented below:

**Outdoor games**

S.No	Description	Area in sq.m.	Established year	stud
1	Football Field	7,000	2002	
2	Hockey Field	5,027	2006	
3	Athletic track	21,600	2002	
4	Kho – Kho Court	4,64	2002	
5	Handball Court	8,00	2004	
6	Kabaddi Court	1,30	2002	
7	Basket Ball Court – 2 nos	5,12	2008	
8	Ball Badminton Court Men	2,88	2002	
9	Ball Badminton Court Women	2,88	2004	
10	Volley Ball Court Men	1,62	2002	
11	Volley Ball Court Women	1,62	2004	

## Indoor games

All the above facilities are utilized regularly by the students. The indoor facilities are also available for the students. These facilities include table tennis, carom and chess. It is kept open both in the early mornings and evenings.

S.No	Description	Area in sq.m.	Established year	stud
1	Badminton	260	2013	
2	Gymnasium - Men	108	2003	
3	Gymnasium - Women	22.59	2003	
4	Indoor Games	122.7	2002	

## Yoga Centre , Clubs and Cultural Activities

Yoga centre (38.09 sq.m.) is established for students to practice yoga and meditation, facilitated by trained set of faculty members. Indoor spaces include Carrom , Table Tennis and Chess which are available in hostels. Physical director train students in indoor and outdoor games. During the orientation program every year, cultural, sports talents of students are identified and nurtured, around 20% of students participate sports activities and participate in regional and national events and win awards. An open air auditorium (1300.64 sq.m.) with a seating capacity of 1200 is available for all major functions and events. Two Halls with seating capacity ranging from 180 to 250 are also available for club and cultural activities. The following clubs are functioning in the institution to cater to holistic growth of the students and to provide a forum to showcase their individual talents through cocurricular and extracurricular activities . 14 student run clubs, namely Fine Arts Club, Soft Computing Club, SAE SRIT Collegiate Club, Robotics Club, Student Social Responsibility Club, App Development Club, Foss Club, Sustainable Eco Club, Innovation Hub Club, Photographic Club, Circuit Debugging Club, Energy Club and Literacy and Aesthetic Club are available in the institution and these clubs encourage the students to participate in various technical, cultural and social activities. The students are motivated to exhibit their talents both in the college programme and competitions conducted at other institutions. An open auditorium and seminar halls are available to conduct cultural programme, co-curricular and other extracurricular activities.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Geotagged pictures	<a href="#">View Document</a>

### 4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

**Response:** 52.08

#### 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

**Response:** 25

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

#### 4.1.4 Average percentage of expenditure for infrastructure augmentation excluding salary during the last five years (INR in Lakhs)

**Response:** 3.84

##### 4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
16.61	5.45	46.57	45.01	52.00

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

## 4.2 Library as a Learning Resource

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

**Response:**

SRIT - Central Library- is housed in the Ground floor of SRIT with a built-up area of 658.29 sq.m. It is a Learning Resource Centre and offer Library services to all the students, research scholars, faculty members and all other staff members of SRIT campus to enhance their knowledge and increase the potential of teaching and learning activities. The Library follows open access system (library.srit.org). It has separate sections like spacious stack area, reference section, circulation section, Information Desk, Digital Library, periodical section, Back Volumes section, Acquisition Section, Technical Section, CD/DVD Section, Scan Section and Wi-Fi enabled reading halls. The Central library has comprehensive collection of 40656 volumes. The Library collection includes 376 DELNET e-journals, 197 IEEE Online Journals, 521 DELNET e-Books and 2839 CD & DVD, 90 print journals and magazines. Remote access is provided to all the SRIT users through IEEE portal & DELNET for accessing all the subscribed e-resources. The courseware (400 web and 500 video courses) are hosted in the local server. Central Library web page provides needed information to the end users. The Library is fully computerized and automated by using Koha Library software integrated with Barcode Technology. Web OPAC (Online Public Access Catalogue) facility is available for retrieving books and other learning materials of the Library including CDs. Email alert service is enabled to all the users on all Library transactions. SRIT holds institutional

membership with DELNET (Developing Library Network) for ILL (Inter Library Loan) and Document Delivery Services, Access to Knowledge Gainer Portal, Language Learning Portal, manuscripts and rare books, Domain wise e-books and e-journals (Full Text), Thesis/Dissertation, Medline Database, US Patents, Cambridge online dictionary etc. to the academic community. All the subscribed e-resources like e-journals, e-books, e-database are available and accessed both from IP based remote location. A well-equipped digital library is functioning with 22 computers and the students can access the digital content. Library holds membership in DELNET, INFLIBNET, National Digital Library and SWAYAM. An exclusive research resource center and reference section comprising of various journals is also available for students and faculty members. All the e-journals and e-books purchased in the library can be accessed through Internet /Intranet. A Library Advisory Committee comprising of senior faculty members and student representatives is governing the functions of the library. The functions of the Library Advisory committee are:

1. To deliberate and advise on direction and development of policies for library and information service.
2. To support the library's efforts in ensuring financial accountability and responsibility.

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

**4.2.2 Institution has access to the following: 1. e-journals 2. e-ShodhSindhu 3. Shodhganga Membership 4. e-books 5. Databases 6. Remote access to e-resources**

**Response:** A. Any 4 or more of the above

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Details of subscriptions like e-journals, e-books , e-ShodhSindhu, Shodhganga Membership etc	<a href="#">View Document</a>

**4.2.3 Average annual expenditure for purchase of books/ e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)**

**Response:** 9.01

**4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)**



2021-22	2020-21	2019-20	2018-19	2017-18
2.68852	0.50006	8.36005	23.36001	10.11754

File Description	Document
Details of annual expenditure for purchase of and subscription to journals/e-journals during the last five years	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 4.2.4 Percentage per day usage of library by teachers and students ( foot falls and login data for online access) during the latest completed academic year

**Response:** 30.95

##### 4.2.4.1 Number of teachers and students using library per day over last one year

Response: 510

File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 *Institution has an IT policy covering wi-fi, cyber security, etc., and allocated budget for updating its IT facilities*

**Response:**

SRIT has computing infrastructure connected to Internet through 4 public IP addresses. BSNL is offering 190 Mbps through three different leased line connections. A 40 Mbps connection is offered through NMEICT. 50 Mbps connection is offered through over the air medium, and the remaining 100 Mbps is offered through optical fibre cable. Thus, connection redundancy safeguards against single point connectivity failure. Vodafone is also providing 6 Mbps over the air leased line connection and maintained for internet failure backup. The overall internet bandwidth for SRIT stands at 196 Mbps. The 190 Mbps regular bandwidth is shared among 733 computer systems and 6 IP cameras installed in the campus. There is a total installation of 54 CCTV cameras at strategic locations to ensure surveillance of entire campus including college hostels. The CCTV networks are backed by 5 DVR and 1 NVR for archiving. Suitable policies are in place regarding the maintenance of archived video streams.

SRIT has IT Policy that governs student and faculty access to IT services, termination of IT Services, security and surveillance inside campus. Policy covers a) Relevance, b) General Use, c) Data Security d)

System and Network Security e) Email Usage and f) Non-Compliance. The 733 personal computers are connected through a campus wide local area network maintained using a combination of bidirectional CAT 6 and CAT 5 cables. The optical fibre cables are laid to connect the hostels to campus network which aids in distribution of internet to hostel students via 6 wireless access points. The campus network topology has a backbone bus network and the end point wired connectivity is achieved through star topology. The internet connection is received through NextGen Unified Threat Management Firewall with AAA Hotspot User Management services. This ensures network and Data security and prevents illegal access. IP filtering and MAC filtering are in place and policies are framed for user owned devices.

The hardware includes 733 personal computers, 48 Dot Matrix printers, 38 Laser printers, 13 Wi-Fi routers, 3 flatbed scanners, 2 Scanjet scanners, 1 plotter, 1 colour LaserJet printer, 55 projectors, 10 promethean smart class room installations, 3 biometric devices, 15 audio amplifiers with speakers, 3 Public Addressing systems, 1 DSLR camera, 1 Video Camera, 1 audio mixer, Data backup solutions, Network installations and security installations as mentioned earlier. Power back is ensured through an installed Uninterrupted Power Supply (UPS) capacity of 200 KVA. Two generators of capacity 180 KVA and 380 KVA are also available as a power backup source.

Management Software includes in-house developed Institute Management system providing the functionalities of Programme Management, Course management, Finance management, Exam management, Student and faculty profile management. The institution promotes usage of open-source software. The institution also has important proprietary software including Microsoft campus license, OrCAD, XILINX system, Tanner, MATLAB 7.04, ETAB, LabVIEW and MTAB. Moodle LMS is configured for management of learning contents. The institution is also a free subscriber of Google Cloud for Education through which cloud services are offered to members of the Institution.

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

#### 4.3.2 Student - Computer ratio (Data for the latest completed academic year)

**Response:** 2:1

File Description	Document
Student - computer ratio	<a href="#">View Document</a>

#### 4.3.3 Bandwidth of internet connection in the Institution.

**Response:** 250 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

#### 4.3.4 Institution has the following Facilities for e-content development

1. Media centre
2. Audio visual centre
3. Lecture Capturing System(LCS)
4. Mixing equipments and softwares for editing

**Response:** A. All of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

##### 4.4.1 Average percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component during the last five years

**Response:** 42.93

##### 4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
236.2757	196.5614	403.8263	443.0092	459.6703

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details about assigned budget and expenditure on physical facilities and academic facilities	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

##### 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.

**Response:**

Institute allocates budgets under different funds for maintaining and utilizing the campus. The procedures are well established for the maintenance of all the facilities.

## **Lecture Halls**

Generally LCD projectors are serviced annually during the vacation period by an authorized service personnel and coordinated by computer maintenance cell. Housekeeping staff are employed to maintain hygiene, cleanliness of the campus. Lecture halls, faculty rooms, seminar halls are cleaned regularly by the house keeping personnel at regular intervals.

## **Laboratory**

Salient features regarding maintenance of laboratory facilities are as follows.

The equipment stock register for each laboratory is maintained listed with all the equipments available in the respective laboratories.

1. Well trained lab technicians are available for maintaining the equipment on regular basis
2. Periodically, equipments are checked in the laboratories and if any maintenance / calibration is required, steps are taken to correct it.
3. Laboratories are provided with Uninterruptible Power Supply (UPS) facilities, intercom facilities, fire extinguisher and first aid kits.
4. Stock register and maintenance register are available in all the laboratories containing equipment details with various specifications.
5. All computers in the laboratories are protected with licensed anti-virus software and it is being updated regularly.
6. All laboratories are kept cleaned and separate worktables are provided in each laboratory for the students.

## **Overall Ambience**

All laboratories have good ambience with adequate seating capacity, illuminance, fan, air-conditioned facility, White boards and proper ventilation such a way that a student can feel comfortable while executing experiments.

## **Safety Measures**

1. Safety rules for students are displayed in the laboratory
2. Students are instructed to wear lab uniform and shoes
3. All power supply lines are properly insulated and covered
4. First aid boxes are available in the laboratories.
5. Fire Extinguisher is placed near the laboratory

6. Perform the experiment under the supervision of faculty/lab technician

7. Wearing hand gloves, safety shoes and welding goggles are mandatory.

### **Library**

The computerized central library has 40656 volumes of books, 193 National and International Journals and magazines and 3147 e- books. The monthly magazines and journals are compiled as back volumes and are available for reference. For effective use of library an hour per week is included in the regular time table for all classes. The library is kept open till 6.30 pm on all days except Sundays. The digital library and the e- books can also be accessed through Wi-Fi. The library is fumigated and annual stock verification is carried out.

### **Sports Facilities**

The sports grounds are utilized everyday till 6.00 pm and the players can use the special transport facility late evening. The sports uniform and the allowances for participating in the sports meets are sponsored by the institution. Number of intercollegiate events are hosted effectively engaging the sports aspirants ensuring fitness of the students.

### **Computer System and IT**

Servers and desktop systems are checked and upgraded periodically. Antivirus is updated for every one year administrator maintain the Institute computers and accessories with the help lab assistants and all kinds of Network related maintenance works are carried out by network administrator.

### **Vehicle Transport**

The transport officer assigns duty for drivers and schedules the bus routes to various locations as per the transport policy of Institute. The transport officer at the main Trust office is taking care of the fitness certification, maintenance of vehicles and fitness of drivers. The faculty members and students utilizing the transport facility shall abide by the rules specified in the transport policy.

### **Building**

Building damages, renovation, maintenance requests are passed to Principal for the approval. Painting and damages in the building checked periodically and necessary corrective actions will be carried out. The Civil Engineer of the Institute is in-charge of all the building related maintenance works.

### **Electrical Maintenance**

As per Tamilnadu Electricity Board's Electrical Inspection Rule 46, wiring and electrical installations are checked for leakage and earthing. Electrical Inspectorate Officer inspects the campus and provide the certificate. The safety of electrical equipments is taken by properly selecting the Conductor size (wire size ranges between 1 sq.mm to 6 sq.mm) so that the wire will withstand during short Circuits and unbalances. The safety of equipment and wires is provided by MCB, MCCB, ELCB and fuses. MCB provides protection during short circuits and ELCB provides protection from earth leakages. Fuses provide protection from over currents. Every piece of equipment is provided with proper earthing so that it will be

provide protection from internal faults. Electrical maintenance light, fan, machinery compliance is rectified and maintained regularly. The Electrical Engineer of the Institute is in-charge of all the electric related maintenance works.

### **Power Generation**

Institute has 220 solar panels which generates 3564 kWh of power. All electrical maintenance will be carried out for every month. The Institute power house has two generators having capacity of 380 KVA and 110 KVA respectively.

### **Sewage Treatment plant**

The goal of the sewage treatment plant is to deliver much cleaner, more environmentally friendly effluent. This treatment is a reliable method to treat wastewater and the capacity of the sewage treatment plant is 80 kiloliters per day.

### **Rain Water Harvesting**

Rain water harvesting is available at two different locations in the college campus.

### **Hostel - Solar water heater**

Solar water heater is available at boys hostel.

### **Fire-Fighting Measurements**

Fire Extinguishers of CO<sub>2</sub> type and of DCP type are available in all the laboratories and important locations as per the codal provisions specified by recognized organizations. Training session to use the fire extinguishers is conducted annually for the faculty members, non-teaching faculty members and students.

### **Supporting System**

All the support facilities - physical facilities, buildings, common areas, class rooms, laboratories, wash rooms, gardens, food court and sports area are maintained by housekeeping staff under the supervision of the Estate Officer.

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

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during last five years

Response: 34.5

##### 5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2021-22	2020-21	2019-20	2018-19	2017-18
570	616	662	665	790

#### File Description

#### Document

upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

Institutional data in prescribed format

[View Document](#)

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

[View Document](#)

#### 5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution and non-government agencies during the last five years

Response: 3.12

##### 5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2021-22	2020-21	2019-20	2018-19	2017-18
165	79	0	10	0

File Description	Document
Number of students benefited by scholarships and freeships besides government schemes in last 5 years	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

**5.1.3 Following Capacity development and skills enhancement activities are organised for improving students capability 1. Soft skills 2. Language and communication skills 3. Life skills (Yoga, physical fitness, health and hygiene) 4. Awareness of trends in technology**

**Response:** A. All of the above

File Description	Document
Details of capability enhancement and development schemes	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**5.1.4 Average percentage of students benefited by career counseling and guidance for competitive examinations as offered by the Institution during the last five years.**

**Response:** 45.25

**5.1.4.1 Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
863	1661	934	313	324

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>

**5.1.5 The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases 1. Implementation of guidelines of statutory/regulatory bodies 2. Organisation wide awareness and undertakings on policies with zero tolerance 3. Mechanisms for submission of online/offline students' grievances 4. Timely redressal of the grievances through appropriate committees**

**Response:** A. All of the above



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

## 5.2 Student Progression

<b>5.2.1 Average percentage of placement of outgoing students during the last five years</b>				
<b>Response: 41.2</b>				
<b>5.2.1.1 Number of outgoing students placed year - wise during the last five years.</b>				
2021-22	2020-21	2019-20	2018-19	2017-18
252	177	184	217	283
<b>File Description</b>	<b>Document</b>			
Upload any additional information	<a href="#">View Document</a>			
Self attested list of students placed	<a href="#">View Document</a>			
Details of student placement during the last five years	<a href="#">View Document</a>			

<b>5.2.2 Percentage of student progression to higher education (previous graduating batch).</b>	
<b>Response: 5.44</b>	
<b>5.2.2.1 Number of outgoing student progressing to higher education.</b>	
Response: 27	
<b>File Description</b>	<b>Document</b>
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education	<a href="#">View Document</a>

<b>5.2.3 Average percentage of students qualifying in state/national/ international level examinations</b>
--

during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 68.67

**5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
7	5	3	0	2

**5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: IIT/JAM/ NET / SLET/ GATE/ GMAT/CAT,GRE/ TOEFL/ Civil Services/ State government examinations) year-wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
7	6	5	0	2

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years	<a href="#">View Document</a>

### 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 level (award for a team event should be counted as one) during the last five years.**

Response: 96

**5.3.1.1 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) year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
46	0	16	23	11

<b>File Description</b>	<b>Document</b>
Number of awards/medals for outstanding performance in sports/ cultural activities at inter-university / state / national / international level during the last five years	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>

### **5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution**

#### **Response:**

Students have representation in academic and administrative bodies

#### **Library Advisory Committee**

The students are part of the library advisory committee represented by the class representatives of all the classes. They register their suggestions, grievances regarding the functioning of the library and submit their request through Heads of the Departments for purchase of books, journals and e-resources.

#### **Anti-ragging committee**

As per UGC recommendations, students are also members of anti-ragging committee

#### **Class committee**

All programmes have class committees consists of students who represent both strong and weak students as well as faculty members in charge of the relevant courses and a faculty coordinator chosen by the Head of the Department apart from the course coordinator who acts as the chairperson for the committee. The committee offers input on every facet of the curriculum, exams, and other academic activities related to the courses. All relevant conversations are documented with the minutes distributed to the members. The class committee meets twice per semester.

#### **Hostel Administration**

The hostel inmates administer the functioning of the hostel and hostel mess. The hostel students are responsible for maintaining discipline, preventing food waste, gardening, the standard of the food, and maintaining reasonable mess fees. These duties are handled by the hostel committee

#### **College Transportation**

College transportation committee includes Professor in charge –Transport, Transport officer, one or two faculty members coming by bus, and two student members. The roles and responsibilities are

### ***Roles & Responsibilities***

- Check the ID Card and Bus Pass
- Maintenance of the students discipline at the boarding place
- Maintain the code of conducting during arrival and departure
- Ensure smooth relationship between students and drivers
- Tenure of the committee will be three academic years.

### **Prevention of sexual harassment committee:**

As per the guidelines of UGC, NAAC and the Supreme Court an Anti-Sexual Harassment Cell has been established by Sri Ramakrishna Institute of Technology to provide a healthy and congenial atmosphere to the staff and students of the College. The cell was constituted to meet the four basic objectives:

- To develop the guidelines and norms for a policy against sexual harassment.
- To develop principles and procedures for combating sexual harassment.
- To work out details for the implementation of the policy.
- To prepare a detailed plan of action, both short and long term.

The Policy also endeavours to set expectations regarding workplace behaviour and provide with a framework for reporting concerns.

### **National Youth Parliament:**

The objective of the web portal of Youth Parliament is to strengthen the roots of democracy, inculcate healthy habits of discipline, tolerance of the view of others and to enable the student community to know about practices and procedures of the Parliament.

### **Fine Arts Club:**

Fine arts club of SRIT provides the opportunity for the students to let their imagination run wild and provides them with the sight to see things in a different way. Students learn from one another and share their talents in different aspects of art. The committee includes Principal, Faculty Advisor, Staff Members and student representatives.

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

### **5.3.3 Average number of sports and cultural events / competitions organised by the institution per year**

**Response:** 7.2

#### **5.3.3.1 Number of sports and cultural events / competitions organised by the institution year - wise during the last five years.**

2021-22	2020-21	2019-20	2018-19	2017-18
13	4	4	9	6

File Description	Document
Report of the event	<a href="#">View Document</a>
Number of sports and cultural events / competitions organised per year	<a href="#">View Document</a>

## 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.**

### Response:

Response:

Sri Ramakrishna Institute of Technology has a registered alumni association with 5000 plus registered members. The alumni association has got chapters in India at Chennai and Bangalore apart from the parent chapter in Coimbatore. The alumni association conducts annual chapter meets in addition to the annual general body meeting with the fixed calendar. The alumni members spread across the globe significantly contribute to the development of the institution both financially and through the support services.

### Scholarships & Contributions:

Economically backward students were identified and provided scholarships every year. Every year 10 students from all the departments were identified and provided scholarship of Rs 20,000.00 each with the total amount of Rs 2,00,000/-.

Members of SRITAA contribute for the SRIT Fine arts club by contributing musical instruments.

Activities of SRIT Alumni Association

- Placement guidance to students
- Mock Interviews
- Alumni Reunion
- Alumni Talk Series
- Faculty recognition (Dr Radhakrishnan Award)
- Meetings of Alumni at National level
- Participation of extension activities

### Reunions:

Reunion of Alumni always strengthens the alumni network, act as a place for sharing their experiences, business ideas and the transferring of knowledge with the current studying students. Every Year the alumni association organises alumni meet at different places based on the alumni availability.

Annual alumni general body meeting will be conducted in the college campus every year.

Other Alumni Meet:

Chennai Chapter - Once in 2 Years

Every Bangalore Chapter - Once in 2 Years

### Other support

- Alumni serve as members in different committees like Department Advisory Committee, Industry Advisory Board, Programme Alumni Interactive Cell and Board of Studies helping to enrich the curricula and syllabi of the various B.E / B.Tech/ M.E/ M.Tech programmes.
- Alumni act as resource persons for various events like guest lectures and panel discussions.
- Alumni offer mentorship support for the student teams participating in hackathons and other competitions.
- Alumni particularly from Young Alumni Forum support mock interviews, preparing the students to face the recruitment process with higher confidence level. Alumni both as entrepreneurs and with corporates help for summer internships and for recruitment services as well.
- The institution supports alumni by offering concession for their family members in the hospital managed by the trust and a fee concession for the siblings of the alumni in the institution.
- Music Instruments are provided by the alumni members to support the students for encouraging the extra-curricular activities.

File Description	Document
Any additional information	<a href="#">View Document</a>

### 5.4.2 Alumni financial contribution during the last five years (in INR).

**Response:** A. ? 15 Lakhs

File Description	Document
Any additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

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### 6.1 Institutional Vision and Leadership

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

##### **Response:**

The college has a progressive vision and mission statements,

##### **Vision of the Institute**

Our Vision is to develop into a World Class Technological Institute with centres of excellence in various disciplines by providing quality and value-based education with continuous upgradation of infrastructure, human resources and teaching – learning process.

##### **Mission of the Institute**

Our Mission is to produce Quality Engineers, Scientists and Managers equipped with unbounded technical skills, domain knowledge and excellent moral values, for advancement of the industry, business and for the emancipation of society.

The vision and the mission statement focus on providing quality education which enables the learners to be globally competent, socially responsible and ethically desirable.

##### **Nature of governance, perspective plans and participation of the teachers in the decision making bodies of the institution.**

The following are the various bodies of the institution constituted as per the recommendations of statutory bodies. Faculty members are involved in decision making, perspective plan in all the following bodies. These bodies meet as per the norms prescribed and take suitable decisions and ensure the implementation of the decisions. The action items from the decisions of these bodies ensure the communication and implementation of various plans towards the realization of the vision through the mission. Other key stakeholders such as nominees of various statutory bodies, senior academics from other institutions, industry experts, parents, alumni, local authorities, support staff and students also are members of some of the following bodies as applicable.

##### **Governing Council**

The Governing Council governs the overall functioning of the Institution through other statutory bodies and administration team. The Council reviews the major academic activities, implementation of government policies, financial position of the Institution, performance of students and staff and suggests policies to improve the quality of education at the college.

##### **Academic Council**

The Academic Council is the principal academic body of the Institution and shall, subject to the provision

of the rules, have the control over and be responsible for the maintenance of standards of teaching, research and training, approval of syllabus, coordination of research activities, examinations and internal tests within the Institution.

### **Board of Studies**

The Board of Studies is the basic constituent of the academic system of the college. Its functions will include framing the syllabi for various courses, reviewing and updating syllabi from time to time, introducing new courses of study, determining details of continuous assessment, recommending panels of examiners for the end semester examination.

### **Finance Committee**

The Finance Committee advises the Governing Council on financial matters. It shall prepare income and expenditure statements of the college in the prescribed format for fixation of tuition and others fees of the college. The Finance Committee will be an advisory body to the Governing Council.

### **Following are the other supporting arms of the Governance**

- Internal Quality Assurance Cell (IQAC)
- Institutional Academic Committee(IAC)
- Institutional Academic Subcommittee (IASC)
- Academic Division Committee
- Anti-Ragging Committee
- Library Advisory Committee

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>

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

#### **Response:**

The Institution practices decentralization and participative management reflecting the effectiveness of the leadership.

#### **Decentralization**

The Governing Council has empowered and authorized the Principal for the everyday academic administration of the institution. As the head of the institution and as the chairperson of the academic council the Principal can take decisions on the academic functioning of the institution. The Governing Council has authorized the Principal for any **financial decision upto Rs. 50,000 per month** and



also the **cheque signing** power of up to **Rs.2 lakhs**. As the warden of the hostels, the Principal is totally authorized for all the purchases, running of the hostels, staff recruitments and payments.

The Heads of the departments have academic and administrative freedom for the day to day administration and as the chairperson of Boards of Studies have the responsibility of the curriculum design, enrichment of the syllabi content. All the Heads of the departments have been vested with the **financial freedom** of **Rs.10,000** per month towards their respective departments.

### **Participative Management**

The Governing Council believes in delegation of the responsibilities ensuring active participation, thus increased level of accountability. Every senior faculty holds additional responsibilities in addition to their regular academics, administration and research. Such additional responsibilities include **the faculty members** as **conveners** of the various **committees** like Grievance redressal, Anti-ragging, class committees, Discipline and Welfare, IQAC, Student Counselling, Women Empowerment, Magazines, Newsletters & Academic calendar. Apart from being the convener, the faculty members also hold responsibility as members of various such committees. Such participative management brings in better **ownership** towards the vested responsibilities, higher **accountability** and hence the **best possible outcomes**.

The feedback is collected from the **students** on the teaching- learning process, assessment and other activities through class committee. The **feedback** is also collected on the **end semester examinations** from students through the course instructors. This participative management brings out better performance.

### **Participative Leadership in Academic and Administrative Roles**

**Heads of Departments** are responsible for day-to-day functioning of department.

**Program Coordinator** is responsible in supporting the HoD for the daily routine activities of the department

**Controller of Examinations** is responsible for Planning and Conduct of Examinations

**Faculty** are members in all the statutory and non-statutory bodies for the smooth function of activities.

**Students** are given roles in all Clubs and Association activities.

**Stakeholders** of the institution play a vital role in decision making through feedback mechanism.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>
Link for additional information	<a href="#">View Document</a>
Link for strategic plan and deployment documents on the website	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic / Perspective plan is effectively deployed

#### Response:

The Strategic plan is to make the institution as one of the best industry linked institutions in the state.

In order to achieve this goal the process has been planned well and deployed. The Industry interface team has been formed with the chief officer-Industry interface as single point of contact for all industrial connects supported by his senior colleague, officer- Industry connect and secretarial assistance. The primary objective of this cell is to effectively connect academia and the industries to reduce the gap between the academic output and the industry expectations. If this gap could be constantly reduced then the graduates from the institution would be gainfully employed with the better mapping of the competency and skillset with the description of the jobs for which they have been recruited. In order to achieve this objective the following strategies have been developed and deployed.

Long Term Goal: To steadily progress towards a summit of excellence in the chosen areas of academic knowledge and occupy a predominant position in the national and international academic world in the future.

Short Term Goal: To respond proactively to the changing demands of the society at large with a suitable educational structure with a view to producing not just professionally competent students but first rate contributing citizens to this country, at all times.

The major short term goals would involve various aspects of improvement in the areas of academics – like effective implementation of curriculum design, examination reforms, effective teaching aids, sound physical education programs, student welfare facilities, meaningful and socially relevant co-curricular and extra-curricular activities, various faculty development programs, effective research initiatives, proper grievance handling mechanism for students and staff, healthy Human Resource(HR) policies and practices and to the top the list higher visibility and viability measures for the institution.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link for Strategic Plan and deployment documents on the website	<a href="#">View Document</a>

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

**Response:**

The academic administrative bodies are quite effective and have formulated policies for appointment of the teaching and non-teaching faculty, administrative and support staff. The service rules have been framed by incorporating all the necessary details for any employee of the organization.

The appointment of any teaching faculty is based on the norms in terms of the qualifications and number of positions. Any teaching faculty recruitment is done through an advertisement both in print media and digital. The eligible applicants are called for a selection process and take up a screening test. A **selection committee constituted** with the **external expert** conducts the interview for the candidates shortlisted after the screening test and selection based on the merit. All the candidates go through a probation period and annual appraisals for confirmation of probation and career advancement.

The promotion of the faculty is based on the vacancy position as per norms of the cadre ratio. An internal circular calling for the applicants for promotions is communicated during the month of March and interview conducted through the constituted committee. The **service rules** have been unambiguously framed covering the norms for career advancement, promotion and leave rules with individual copies provided to all the **faculty members**.

The technicians and the instructors in the various laboratories and the administrative staff also have a well-defined growth path for **career advancement** and also **promotions**. These policies are **transparent** and are **communicated** to all the non-teaching staff enabling them to work towards the progress.

The Head of Departments are requested to submit the **annual budget** requirements during the month of February/March for the forth-coming academic year under the various heads- capital purchase, consumables, Innovation and research, conferences and extension activities. These requirements are consolidated and presented to the **finance committee** and then to the **Governing Council** for approval.

The meeting of Heads of the Departments chaired by the Principal is conducted normally **twice a month** to discuss on academic and administrative activities of the institution. The discussions in these meetings are disseminated to faculty members in the respective department meetings.

The Administrative office of the college has the Accounts section and Establishment section. The administration is totally computerized. As an autonomous institution the examinations are handled by the office of the Controller of the Examinations.

File Description	Document
Any additional information	<a href="#">View Document</a>
Link to Organogram of the Institution webpage	<a href="#">View Document</a>

**6.2.3 Implementation of e-governance in areas of operation****1. Administration**

- 2. Finance and Accounts
- 3. Student Admission and Support
- 4. Examination

**Response:** A. All of the above

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

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

**Response:**

The institution has welfare measures and schemes both for teaching and non-teaching faculty. The following statutory benefits are provided to all the employees of the organization.

- Provident Fund (PF) contributions by the Employee and an equal contribution by the Employer.
- Casual Leave (CL), Medical leave and maternity leave with pay for 2 children.
- Earned leave with option for accumulation and encashment.
- Group Insurance
- Gratuity on relieving from the service after completing 5 years of continuous service.

#### Other Welfare Measures

Quarters for teaching faculty at nominal rent and quarters for support staff are available within the campus. Rural health centre with 24 hour ambulance is available. 25% concession for medical treatment for both self and family is offered in Sri Ramakrishna Hospital managed by the trust. The option for monthly deduction of hospitalization expenses from the salary is provided on request. Assistance for personal loan through the salary account from the bank is provided, both for teaching and non-teaching faculty. A 50% concession in the college transport charges is offered for non-teaching faculty.

#### Incentives as welfare

The faculty members who pursue PhD are supported with on duty leave to attend doctoral committee meetings, course work examinations and to attend conferences. The faculty members can avail sponsorship for attending faculty development programme, technical publications in International Conferences of repute, etc. A monthly incentive of Rs 10,000 is paid for PhD holders of all the departments.

#### Career development and progression

A transparent policy is available ensuring career development and progression. The teaching faculty are encouraged to register for PhD while working with the institution. The non-teaching staff are encouraged to upgrade their qualification improvement. Those holding a diploma are being supported to pursue B.E/ B.Tech part-time programmes and on completion of graduation become eligible for elevation/ promotion.

### Annual Appraisal

A system of annual appraisal is followed for all the faculty members. A written appraisal consisting of both self-appraisal and the appraisal by Head of the Department is obtained from every faculty members. This appraisal consists of the details like courses handled, pass percentage, innovation in teaching, laboratory sessions, student projects, mentorship, research publications, funding, industry consultancy and the student feedback.

The face to face appraisal is conducted based on the self-appraisal suggesting the scope of improvement in the various domains of the faculty responsibility. This practice helps for a continuous development and improvement for every faculty and hence the department and the institution as a whole.

File Description	Document
Any additional information	<a href="#">View Document</a>

### 6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.

Response: 2.78

#### 6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
8	0	6	4	0

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

### 6.3.3 Average number of professional development / administrative training Programmes organized by the institution for teaching and non-teaching staff during the last five years.

Response: 19.4

#### 6.3.3.1 Total number of professional development /administrative training Programmes organized

by the institution for teaching and non teaching staff year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
27	13	15	22	20

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

**6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).**

**Response:** 61.07

**6.3.4.1 Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
45	105	152	41	98

File Description	Document
IQAC report summary	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

**6.4.1 Institution conducts internal and external financial audits regularly**

**Response:**

The internal and external audits are regularly conducted. The **internal audit** is conducted **quarterly** by the institution appointed team of auditors and the audit reports are submitted for the **external audit** which is conducted annually. The audited statements of accounts are presented to the **finance committee** and the **Governing Council**.

For any funding/ grant-in-aid received from the Government funding agencies, **individual bank accounts** are opened by the **respective investigators** of the projects. Such accounts are also subjected to **internal audit** and during completion of the project, audited by an **external auditor** for submission of the utilization certificates to the respective agencies.

The audit is also conducted by the team appointed by the Principal for annual stock verification of all the departments and library. The **Academic and Administrative** audit is conducted **annually** to ensure smooth functioning of the activities.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

#### **6.4.2 Funds / Grants received from non-government bodies, individuals, philanthropists during the last five years (not covered in Criterion III and V) (INR in Lakhs)**

**Response:** 10.13

##### **6.4.2.1 Total Grants received from non-government bodies, individuals, Philanthropers year-wise during the last five years (INR in Lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	7.5	2.63	0

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

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

**Response:**

##### **Funds Mobilization**

The major revenue mobilization for the institution is through the tuition fees paid by the students. The tuition fees are payable either directly by the students or through the education loan from the banks. The students also receive scholarships from the State Government under different categories like First Graduate scholarship, Backward community scholarship, SC/ST scholarship.

This revenue from the student are usually generated during the beginning of the academic year. The students pay the examination fee for the end semester examinations and all the examinations related

expenditure like honorarium for question paper setting, invigilation, evaluation, result passing board and scrutiny are met from this revenue collected.

The scholarships from the Government are received from time-to-time. Since the institution is under a self-financed category there are no Government grants other than the grants which are sanctioned based on the proposals submitted to the Government funding agencies. Such grants received are spent for the exclusive purpose for which it was approved and sanctioned like infra-structure, research, skill development, innovation, start-up etc.

The industry connect cell through the consultancy carried out by the faculty generate revenue and this also helps in establishing industry sponsored centres of excellence in the campus.

### **Utilization of funds**

The Head of the departments submit the annual budget for every academic year under different heads of capital purchase, consumables, research, extension activities and innovations. The department requirements are consolidated along with the other budget provisions – salary, statutory requirements like PF, gratuity, electricity, building maintenance, electrical maintenance, laboratory equipment, maintenance, housekeeping, estate maintenance, student welfare activities, etc. To arrive at the overall annual budget requirements at the end of every year all departments prepare a utilization statement based on the budget allocated to them. The total revenue generated and the total expenditure are presented to the finance committee and also to the Governing Council. Any deviation from the projected budget is appropriately justified to the members of both finance committee and Governing Council.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

## **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 visible in terms of – Incremental improvements made for the preceding five years with regard to quality (in case of first cycle) Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives (second and subsequent cycles)**

### **Response:**

The IQAC of the institution is taking lot of initiatives for institutionalizing the quality assurance strategies for the uniformly visible incremental improvement across all the departments.

The major functions of IQAC has been established for assuring the initiatives quality in various aspects of the institution. The Cell has enhanced and coordinated various activities for the institutional good practices. The policy decisions are obtained based on the feedback from students, parents, alumni, faculty and employers on quality-related various institutional processes. This Cell Promotes inter and intra institutional workshop, faculty development programme, seminar and conferences based on quality



improvement. The institution has promoted and motivated the students to participate and win in various real time projects through automation process. The patents were applied for the real time projects and few of the projects have been published in peer reviewed journals. Many activities have been organized collaboratively with other foreign Universities like UniMAP, Malaysia and Ariel University, Israel. The academic performance includes curriculum, faculty profile, students profile, infrastructure, activities of the department, best practices and future plans are evaluated. The evaluation metrics for administrative sections like examination section, finance section, establishment section, NSS and Sports centre are processed.

### **Case Study 1: Real Time Projects**

- A Novel Machine to Apply Mehndi
- Khagitha Pai-A Portable Paper Bag Making Machine
- Smart Bed
- Collar Cleaning Machine
- Smart Fishing Boat
- Go Kart/E-Kart.
- E-Bike
- Khagitha Pai-A Portable Paper Bag Making Machine
- Automatic Saree Ironing and Folding Machine
- In-pipe Inspection Robot Crawler Adaptable To All Diameters
- Rotary –Reciprocating Single Stage Air Compressor
- Single Slope Solar Still with Electroacoustic Transducer
- Automatic Direction Finder Based on Preloaded Obstacles
- Smart Automatic Wireless System for Weather Data Monitoring and Safe Landing of Boats

I2CreaTE 2021, International Innovation, Creativity and Technology Exhibition 2021 on the theme "Humanities in the post Covid-19 Era" which was held through Online platform due to pandemic Situation Globally on 16th September, 2021. SRIT team comprising of 146 students and 83 faculty members participated in the event organized by Malaysia Research & Innovation Society (MyRIS) in collaboration with Ministry of Education Malaysia (MOE), and Ministry of education (MoHE), Universiti Malaysia Perlis (UniMAP) and the World Invention Intellectual Property Association (WIIPA).

### **Case Study 2: Computerized Administration**

E-Governance in the field of the educational sector has changed the way of administration. The data and processes model of an educational Institution makes the process easy, well-organized and error free. This is designed to make the system user-friendly, time saving and cost saving also. It helps in improving transparency, providing speedy information, dissemination, improving administrative efficiency and public service in all the aspects of education. The institution was successful in implementing the e-governance in all areas including Administration, Finance and Accounts, Students admission and support, examination, CCTV Surveillance, Institutional Management System (IMS), Biometric attendance for employees, Moodle, Tally etc.

File Description	Document
Any additional information	<a href="#">View Document</a>

**6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities ( For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives )**

**Response:**

The IQAC reviews, the teaching learning process and the methodologies and learning outcomes at periodical intervals through the norms prescribed by the IQAC.

Teaching Learning Process and Learning Outcomes: Best Practices

Pedagogical Initiatives: Pedagogy is at the heart of teaching and learning. Pedagogy plays a vital role in preparing the students to become lifelong learners with a deep knowledge of subject matter. Faculty members are encouraged to adopt innovative methods for teaching / learning process. Each faculty member is encouraged to innovate and experiment to transform teaching and learning into a fascinating and rewarding experience.

The course coordinator prepares the course plan as per Undergraduate Academic Form (UAF) of the concerned course in the form of a course file and evaluation file. The course file is prepared before the start of the classes and evaluation file at the end of the course.

The various pedagogical approaches followed in our institution are:

Real time examples are taught inside the classroom for application based courses.

Online lecture, videos, or Power point presentation

SRIT Moodle for Quiz

Assess to study materials in SRIT Moodle

Problem Based Learning

Research Based Learning

ICT based learning

Verbal Analytical Logical and Technical Assessment of competency towards Employment (VALTACE)

In order to ensure the effectiveness of the teaching learning process, the course file prepared by every

faculty is being audited by the IQAC. The faculty members are expected to prepare the course file and complete the same at least two weeks prior to the commencement of the academic semester. The improvements are suggested wherever required in order to improve the contents for a better teaching methodology and improved outcomes. All faculty member joining the institution, are instructed to prepare the question paper for the internal assessment test adhering to the revised Bloom's taxonomy.

The academic audit is conducted at the end of every semester ensuring that all the IQAC said norms are effectively implemented.

A team of senior faculty constituted by the IQAC conducts question paper scrutiny of the internal assessment questions to ensure the following

1. The question paper adhered to the norms of revised Bloom's taxonomy indicating the cognitive level in every question thus resulting in a relevant mapping to the prescribed course outcomes. The question paper was vetted by the division members and approved. During this scrutiny the answer key provided by the faculty and the evaluation of the answer scripts in accordance with the key are also audited.
2. Any deviation pointed out by the audit team in any of these audit parameters is communicated to the concerned faculty through the Head of the Department for any possible improvement.
3. The IQAC also ensures that any course common to the students across the departments involving multiple course instructors for the internal assessment, a single common question paper is only set by the course instructors after mutual discussion and also a common evaluation key is arrived at.

Internal Quality Assurance Committee: Quality of higher education lies in the effectiveness of transmitting knowledge and skills; authenticity, context, coverage and depth of information; availability of teaching, learning and research materials; help in removing obstacles to learning, applicability and fruitfulness of knowledge in solving the personal and social problems; convergence of wide variety of knowledge, cost effectiveness and administrative efficiency. The Quality Assurance Committee was constituted to review the academic process periodically to ensure that students continue to make normal academic progress toward graduation. The committee works closely with faculty members, students, faculty advisers and Academic Support Services in assisting students with the needed skills for academic success.

## **Functions**

1. Review of Course plan
2. Review of Internal Test Question Papers
3. Verification of internal test papers
4. Verification of lecture notes, tutorial sheets with answers (if required as per the curriculum) and assignment sheets / class test note books
5. Verification of lab observation and record note books
6. Verification of faculty advisers report and corrective action if required.
7. Verification of Project Review Committee Report
8. Verification of Rubrics Developed in the department
9. Verification of attainment of Course Outcomes, Program Outcomes and Program Specific Outcomes
10. Verification of Course file

The following are some of the regular audits performed by IQAC throughout the year for continuous quality improvement.

1. Course file – Before the commencement and after the completion of every semester
2. Question paper scrutiny – One week before the commencement of internal tests.
3. Assignments – As per Under Graduate Academic Form (UAF) and Student Learning Time (SLT)
4. Laboratory records - As per UAF and SLT
5. Academic Audit – End of the semester

### **Credit for Online Courses**

IQAC in align with the guidelines of AICTE, prescribed norms to motivate the students for online certifications with the provision for credit transfer for such online course completions. IQAC has formed for every programme of study the list of recommended courses that the students could register enabling credit transfer in lieu of either professional electives or open electives as approved in the regulations / curricula and syllabi. IQAC has formulated a procedure to recognize 8/12 week courses of NPTEL/ SWAYAM for 1 credit with the appropriate grading.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

### **6.5.3 Quality assurance initiatives of the institution include:**

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.Any other quality audit recognized by state, national or international agencies (ISO Certification)**

**Response:** All of the above

<b>File Description</b>	<b>Document</b>
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of Institution	<a href="#">View Document</a>

## Criterion 7 - 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 last five years.

##### Response:

SRIT is one of the prestigious co-education institutions in Coimbatore that promotes gender equity in all dimensions and has a strong ethical work culture. The Institution has student associations, women empowerment cells and clubs duly run by a team of faculty with students as members and forms part of a comprehensive gender sensitization /equality action plan. Its unique work culture, healthy traditions and ethos have led to enrolment of **55% women faculty including HODs and 30% girl students.**

Career Promotion, increment and other benefits are equally given to women faculty members, who are also representing Board of Studies (BOS). Women from Non-Government Organisations (NGOs) are nominated for the college Social welfare committee.

- During orientation programme and other events, awareness is created on gender equity among the students.
- Girl students are nominated as members of various committees like Class committees, Library Advisory Committee, National Youth Parliament Scheme, Research Promotion Scheme, Transport Committee, Fine Arts Club Committee, Hostel Committee and Department Association.
- SRIT Research Promotion Scheme (RPS) grants fund for the projects and the team comprises of girl students also.

Gender sensitivity is an inherent value in the cultural ethos of the institute and its neighbouring community, as is evident by the following facilities:

- **Prevention of Sexual Harassment Cell:** As per the guidelines of UGC and the Supreme Court, this cell has been established by the college to provide a healthy atmosphere to the students of the college. This cell sensitizes and creates awareness about gender justice among the students and has organized seminars, workshops and awareness programmes for the benefit of all stakeholders of this institution. The cell is responsible for looking into any complaints filed by students and staff about sexual harassment if any happening inside the college premises and thereby take necessary action.
- **Anti-Ragging Committee:** The Anti-ragging committee is constituted to prevent ragging related issues inside and outside the college campus and aims to maintain a ragging free campus. Various awareness programmes about ragging are organized by this Committee to ensure a student-friendly environment at all times.
- Hostel students are escorted by Deputy Wardens during their evening Computer laboratory sessions.
- Women security guards are available in the girls hostel during day and night.

- Security cameras and Security checkpoints are available with 24x7 monitored control rooms.
- Rotational duty by all faculty members for discipline and security and strict implementation of Anti-Ragging, in the hostels as well as in the college campus.
- Awareness campaigns on women safety and gender sensitivity through Women Empowerment Cell, NSS and YRC.

### **Counselling Service**

- A dedicated Psychiatrist is available once a week for counselling the needy male and female students, faculties and staffs.
- The Grievance Redressal Committee of the Institution reviews complaints and provides mediation through the respective Committee Member based on the Complaint.

### **Common Rooms**

- Separate common rooms for boys (LH-201) and girls (LH-203) each spanning around 865sq. ft. are available for the students.

<b>File Description</b>	<b>Document</b>
Specific facilities provided for women in terms of: a.Safety and security b.Counselling c.Common Rooms d. Day care center for young children e. Any other relevant information	<a href="#">View Document</a>
Annual gender sensitization action plan	<a href="#">View Document</a>

### **7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures**

- 1.Solar energy**
- 2.Biogas plant**
- 3.Wheeling to the Grid**
- 4.Sensor-based energy conservation**
- 5. Use of LED bulbs/ power efficient equipment**

**Response:** A. 4 or All of the above

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

### 7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

#### **Response:**

SRIT has the facilities for the management of waste generated in the campus using the basic waste management strategy to Reduce, Reuse and Recycle. The environmental policy of the institute is to achieve zero discharge and complete utilization of waste with well-designed strategies to make campus clean, hygienic and healthy.

#### **Solid waste management**

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

Single use items like plastic cups, plates etc. used in the college canteen are replaced by reusable stainless/ paper/ metal utensils.

Our **SNR Sons Charitable Trust** has made an MOU with **M/s. ITC Limited, Mettupalayam** to dispose the white waste papers, corrugated boxes, old records, mixed waste papers from the year 2016.

ITC Limited and STAR ASSOCIATES jointly initiated a program on recycling called **WOW – WELL BEING OUT OF WASTE**, to inculcate the habit of source segregation and recycling solid waste.

Food and non-biodegradable waste are collected in separate bins. Biodegradable waste is decomposed by the process of Vermicompost. Biogas facility is also available for the solid waste management.

#### **Liquid waste management**

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

1. Septic tank effluents from various sanitary blocks,
2. Water used for washing and cleaning of utensils etc. from canteen, Boys and Girls hostels.



Waste water generated from the sanitary facilities is disposed off into septic tanks located at different places in the campus. All liquid waste generated inside the campus are directed to Sewage Treatment Plant (STP) of capacity 80,000 Litre per day through septic tanks. The plant treats water and the treated water is used for gardening purposes. The STP is designed, erected and supplied by GRAM Envosolution Pvt. Ltd., Coimbatore. The STP is provided to remove the settleable solids, floating particles and also to reduce the biological and chemical oxygen demand. For example, the STP treats the sewage generated from the bathroom and toilet units of institution to meet the standards prescribed by Tamil Nadu Pollution Control Board.

The process of sewage treatment involves three levels - primary, secondary and tertiary. The primary treatment comprises of screen chamber, oil trap chamber and collection sump. The secondary treatment takes place in Fluidized Bed Bio-Reactors and Clarifiers. The Tertiary treatment involves disinfectant and dual media filter after which the final treated water is let into the garden.

### **E-waste Management**

E-waste mainly includes obsolete electronic devices, such as computer systems, servers, monitors, compact discs (CDs), printers, scanners, copiers, calculators, fax machines, battery cells etc. E-waste is disposed off through vendors periodically. MOU has been initiated towards the disposal of E-wastes.

Biomedical waste as well as Hazardous chemicals and radioactive wastes are not available in the campus.

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

#### **7.1.4 Water conservation facilities available in the Institution:**

- 1. Rain water harvesting**
- 2. Borewell /Open well recharge**
- 3. Construction of tanks and bunds**
- 4. Waste water recycling**
- 5. Maintenance of water bodies and distribution system in the campus**

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

<b>File Description</b>	<b>Document</b>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Link for any additional information	<a href="#">View Document</a>

### 7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

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

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

### 7.1.6 Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:

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

**Response:** C. 2 of the above

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

### 7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment

## 5.Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

**Response:** C. 2 of the above

File Description	Document
Policy documents and information brochures on the support to be provided	<a href="#">View Document</a>
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

**Response:**

Education is so important for the full bloom of one person's merit, skill and knowledge. SRIT ensures equal opportunity for both male and female students in the process of admission into various programmes. Students of different socio-economic backgrounds are admitted and are encouraged to obtain scholarships from various Government Schemes. Students with meritorious record in sports, persons with disability, wards of ex-servicemen are given preference in the admission while following the norms of the DoTE. SRIT ensures equity among different communities by strictly following the Reservation Policies of State and Central Government and currently has students from SC/ST, MBC, OBC and other categories and such students are provided equal facilities and access without any gender and caste discriminations. Recruitment of faculty members is done by following the UGC norms thereby providing equal opportunity to all Indian citizens.

Faculty members and students fully participate in teaching, learning, work and social activities, feel safe from abuse, harassment or unfair criticism. Inclusive environment provided by SRIT also facilitates students with different linguistic and cultural backgrounds comprising Hindu, Muslim, Christians, Sourashtrian, Rajasthani, Rajput and other regionally dominant citizens. Also geographical diversity or regional inclusiveness is demonstrated by admitting students from Jammu and Kashmir, Chattisgarh, Andhra Pradesh, Karnataka, Kerala and a few foreign students. Ek Bharat Shreshtha Bharat programme initiated by the Central Government aims to enhance interaction and promote mutual understanding between people of different states/UTs.

To build a nation of youth who are noble in their attitude and morally responsible, the college organizes and conducts several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. To develop the emotional and religious feelings among the students and the faculty, commemorative days like Teacher's day, International Women's day, National Unity day, etc. are celebrated in the campus to generate the feeling of oneness and social harmony.

The students and staff jointly celebrate the cultural and regional festivals like Diwali, Onam, Pongal, Pooja etc. Motivational lectures of eminent persons are arranged for development of the students and to make them responsible citizens following the national values of social and communal harmony and national

integration.

In India, dance has long been an integral aspect of religion and culture. Students perform Bharatanatyam, which is a major form of Indian classical dance that originated in Tamil Nadu and one of the eight widely recognized Indian classical dance forms that expresses South Indian religious themes and spiritual ideas. The famous 'Badaga folk dance' of the 'Badagas', who form the single largest ethnic community is performed by the students from The Nilgiris in almost all the celebrations. During Onam festival the true color and culture of Kerala comes to life through the very elegant "Kaikottikali". The most popular among instrumental music forms of Kerala is chenda which is played by our student on every occasion. Energetic and sparkling performances of the traditional folk dance of Punjab – Bhangra is made by our students. Also, students perform the traditional dances of Gujarat.

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

#### **7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).**

##### **Response:**

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

The affiliating University curriculum is framed with mandatory courses like **Professional Ethics and Constitution of India** as a small step to inculcate constitutional obligations among the students. Articulated in the AICTE Model Curriculum, one of the key measures is the incorporation of education on human values. A **three-week Student Induction Program (SIP) based on Universal Human Values (UHV)** is one of these mandatory measures. This programme is conducted every year to prepare newly admitted undergraduate students for the new stage in their life by facilitating a smooth transition from their home and school environment into the college through various discussions and activities.

All the departments and various clubs of the institution conduct awareness programmes on Swachh Bharat, Jal Shakti Abhiyan, Dengue Awareness, Road and Fire Safety, Drug Awareness, Right to Vote etc to sensitize both the students and faculty to the constitutional obligations of every citizen. The students are inspired by participating in such programmes on culture, traditions, values, duties, and responsibilities. The college establishes policies that reflect core values. Code of conduct is prepared for students and staff and everyone should obey the conduct rules.

Every responsible citizen should feel for the need of the society and should have the practice of sharing. A separate **NSS unit** functions exclusively to encourage the students and the unit is successfully conducting

activities to serve the society. The **Youth Red Cross** is a group activity organized within the college which makes a significant contribution to meeting the needs of the most vulnerable people within the local communities through various programmes. Some of the activities of NSS and YRC are as follows:

- Dental Camp
- Vision Screening Camp
- Tuberculosis Awareness Programme
- First Aid and Safety Awareness

The NSS unit of the institution conducts an Awareness Campaign for fresh voters on how to use electronic voting machine with a demonstration which was conducted in the presence of the Tahsildar, Village Administrative Officer and Principal. Students and participants took pledge for their right to vote in which every student is given the awareness on their fundamental rights.

A Blood Donation Camp is conducted every year and the institution collaborates with Sri Ramakrishna Hospital in which both the students and the staff volunteer for blood donation.

To inculcate ethics in all walks of life of the students community, a course on “professional Ethics” has been included, in the curriculum

During Final Year Project phase, we provide consistent support to our final year students so that they follow ethical practices and pursue their project related works responsibly. During project reviews which will be held periodically, we guide and suggest better prospects ethically as part of a qualitative approach.

To inculcate ethics in all walks of life of the students community, a course on “professional Ethics” has been included, in the curriculum

File Description	Document
• Details of activities that inculcate values; necessary to render students in to responsible citizens	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**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.**

- 1. The Code of Conduct is displayed on the website**
- 2. There is a committee to monitor adherence to the Code of Conduct**
- 3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
- 4. Annual awareness programmes on Code of Conduct are organized**

**Response:** C. 2 of the above

<b>File Description</b>	<b>Document</b>
Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports on the various programs etc., in support of the claims	<a href="#">View Document</a>
Code of ethics policy document	<a href="#">View Document</a>

### **7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).**

**Response:**

Sri Ramakrishna Institute of Technology believes that education will allow students to blossom, giving them the right platform towards becoming a responsible citizen. It is an integral part of learning and building a strong cultural belief in a student.

#### **NATIONAL COMMEMORATIVE DAYS OBSERVED IN SRIT**

- 1. 26th January Republic Day** - Republic Day is celebrated every year to commemorate the adoption of our constitution. Students and faculty members are made aware of their duties and rights.
- 2. 15th August Independence Day** - This is a grand event marked with the flag hoisting by the Principal and well-practiced march-past.
- 3. 5th September (Dr. Sarvpalli Radha Krishnan Birth Anniversary)** – This Day is commemorated as Teacher’s Day with great fervor. The students organize a program for the teachers.
- 4. 15th September Engineers day (Birth Anniversary of Sir Visvesvaraya)** - This day is observed as an exceptional tribute to the best Indian Engineer Bharat Ratna Mokshagundam Visvesvaraya. Webinars/workshops/competitions are organized.
- 5. 31st October National Unity Day** - This day is celebrated to mark the birth anniversary of Sardar Vallabhbhai Patel who had a major role in the political integration of India.
- 6. 26th November Indian Constitution Day** – Also known as "National Law Day", is celebrated in to commemorate the adoption of the Constitution of India.
- 7. 22nd December National Mathematics Day** - This Day is celebrated every year on the birth anniversary of one of the greatest Indian Mathematicians, Sir Srinivasa Ramanujan.

#### **INTERNATIONAL COMMEMORATIVE DAYS OBSERVED IN SRIT**

1. **8th March International Women’s Day** – This day is observed as a focal point in the women's rights, attention to issues such as gender equality, reproductive rights, and violence and abuse against women.
2. **21st June International Day of Yoga** – This day celebrates the physical and spiritual prowess that yoga has brought to the world stage.
3. **1st December World AIDS Day** - This day is dedicated to raising awareness of the AIDS pandemic caused by the spread of HIV infection.
4. **5th June World Environment Day** – This day is celebrated for encouraging awareness and action for the protection of the environment.
5. **9th September World First Aid Day** - This day is observed to increase public awareness of how first aid can save lives.
6. **15th April World Art Day** – This is an international celebration organized by the fine arts club of SRIT to promote awareness of creative activity worldwide.
7. **23rd April World Book Day** – This event is organized to promote reading, publishing, and copyright.

## EVENTS AND FESTIVALS

During Pooja, we worship our educational resources. Pongal is a harvest festival celebrated every year to thank the Sun and Mother Nature. Students dress in traditional attire and display floral rangoli and Chanda Melam is played in celebration of Onam.

All these activities are instrumental and helps building today’s youth and remind them about our country’s cultural heritage and history. Our students are on a mission towards better India by breaking the boundaries of religion and caste.

File Description	Document
Geotagged photographs of some of the events	<a href="#">View Document</a>
Annual report of the celebrations and commemorative events for the last five years	<a href="#">View Document</a>

## 7.2 Best Practices

**7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**

## **Response:**

### **7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.**

Among many best practices followed in the Institution, the following two best practices are herewith submitted for assessment.

#### **BEST PRACTICE-1**

##### **Title: Learning beyond Classrooms – Skill Development through Value Added Programs & Employment Enhancement Courses**

To create learning environments that are inclusive, diverse and engage all types of learners, students are provided with learning opportunities that extend beyond the classroom. This is key to supporting and enhancing the learner experience and achieving positive educational outcomes for students. Emerging trends in technical and professional education call for value addition i.e., students must acquire something more than what is provided in the curriculum. SRIT has always strived to keep pace with the emerging trends in higher education. Keeping up with this ethos, SRIT constantly introduces programs that allow students to specialize in credentials in their chosen field along with the graduate programs.

#### **The Context**

Our institution is keen on helping the students take up certificate courses to complement their knowledge and skills related to their field of study. We offer a wide variety of short term certificate courses which are conducted after class hours or during semester breaks. These courses are conducted by professionals and industry experts and help students stand apart from the rest in the job market by adding further value to their resume. Besides, there is need to enhance their communication skills, to develop professional ethics in them and help them learn and develop human values and concern for humanity.

Achieving good placement records for its enrolled students is an important performance metric for an Educational Institution offering professional courses. Sri Ramakrishna Institute of Technology aims to impart and enrich employability skills of students through a systematic and consistent Value-added skill development programme that runs in parallel with the regular academic curriculum.

As per the information sourced from The Economic Times, the Information Technology / Software Service sector and Banking are top two recruiting sectors in India, together absorbing about 31 lakh graduates in their payrolls in the year 2021. Of these, 26 lakh graduates are recruited by the Software Sector alone. This motivated us to take under consideration, the expectations of Software Industries from their new incumbents, in our mentoring process. We researched through various inputs and identified important skill sets that a graduate must exhibit, in addition to their core engineering skills so as to qualify themselves for taking up entry level job positions in these sectors

#### **Objectives of the Practice**

- To provide more engaging and relevant learning.
- To enable students to build specialised job oriented skills in their chosen area of study.



- To develop a student's digital, collaborative and independent learning.
- To provide greater opportunities for revision, feedback and informal learning.
- To enhance capacity for inclusive and individualised learning.
- To ensure that each course has a clearly defined course objective and course outcome.

### The Practice

From academic year 2017-2018, Sri Ramakrishna Institute of Technology formulates a detailed value-added skill development programme that spans over the entire duration of the degree programmes. These skill development programmes will run in parallel with the regular academic curriculum and enriches the employability traits of the students as they progress towards their graduation. A template of such a plan is described in the following section. This plan is refined over the years based on the experience gained in the execution of the plan and the outcomes achieved. The plan is common to all the students irrespective of their stream of engineering degree programme. To encourage the active participation of students in the various training course, academic credit points are being awarded for the completion of courses under the programme.

S.No	Semester	Skill Development Training
1	1	Orientation Programme with courses on Universal Human Values, Yoga and Life
2	2 - 5	Language Course that culminates with Business English Certification by University
3	3-6	Employability Enhancement Courses that include Domain skill training and Professional skill training
4	6	Value Added Technical Course. This is a 30-hour course provided by industry domain specific latest technologies.
5	3-7	Quantitative Aptitude / Reasoning Skill Training
6	5-7	Industrial Connect Course – A 40 hours course where the syllabus is prepared by in collaboration with Industry experts and delivered by resource persons from Industry

The institution also partners with company specific technology training partners for the conduct of certain courses. Skilled personnel in the domain of Quantitative aptitude and Reasoning ability are recruited for training the students in the domain. The institution also partnered with cloud-based training platform providers like NeoPAT for seamless delivery of training materials and conduct of mock tests.

Placement Training courses are assessment oriented and the progress of students are monitored on a daily

basis with suitable intervention being made at appropriate times. A snapshot sample of reports which monitored individual student progression is given in figure below.

Starting from the academic year 2017, Sri Ramakrishna Institute of Technology offers one-credit courses and detailed 4-year Value added Skill Development programme plans for student batches.

- For each one-credit course, the course objective and course outcome is designed in collaboration with professionals so as to ensure that the course is market relevant.
- Internal assessments and tests are conducted for these one-credit courses to evaluate the students on their performance and assess their level of understanding.
- A continuous feedback system at the end of these courses is followed to ensure that student opinion is taken into consideration.
- Students have to take up compulsory industrial visits at least once every academic year to ensure their exposure to the industry.
- The 4-year Value added Skill Development Programmes will run in parallel with the regular academic curriculum and enriches the employability traits of the students as they progress towards their graduation.
- A template of such a plan for the 4-year Value added Skill Development Programme is described in the following section. This plan is refined over the years based on the experience gained in the execution of the plan and the outcomes achieved. The plan is common to the students irrespective of their stream of engineering degree programme.

## **Advantages**

### **One-Credit Courses**

- Credit Courses offered are globally and locally relevant.
- SRIT has successfully collaborated with several distinguished companies that provide value add on courses.
- Internship and Final Placement opportunities in renowned companies such as among many others.

### **Value added Skill Development programme**

- To provide students an understanding of the expectations of industry.
- To improve employability skills of students.
- To bridge the skill gaps and make students industry ready.
- To provide an opportunity to students to develop inter-disciplinary skills.

## **Challenging issues**

? Designing courses that cater to the interests of a diverse set of students who come from various backgrounds and cultures.

### **Evidence of Success**

The value-added skill development programmes improved the employability traits of the students. The

evidence in terms of Placement conversion rates is blurred due to the pandemic situation prevailed in the country during the academic years 2020-2021 and 2021-2022. We could able to sustain the momentum of placements and prevent a sheer drop. The improvement in quality and quantity of placement is visible in the following charts.

? Since these credits are compulsory, all students have to complete the course in order to graduate.

? Students have further built their CV and secured jobs.

### **Problems Encountered/ Resources Required:**

Pandemic scenario which prevailed around the world during the outcome phase of the implementation prevented us from measuring the actual benefits of the scheme. This is a temporary setback and still the average salary offered is improved much to the delight of students.

The scheme requires ample support from Industry in terms of resource persons and interactions. The collaboration with Industry in this regard is constantly pursued to achieve desired results.

## **BEST PRACTICE-2**

### **Title: STUDENT INTERNSHIP**

In the contemporary business world, career life has become highly competitive, as many people have acquired degrees. However, to survive the competitive business world, skills and especially experience is needed to grow the career of an individual. As Graduates are becoming many, the need for practical experience through a formal program for beginners in a profession is necessary. In this regard, internships help integrate class theory and knowledge with practical applications towards a professional as well as personal growth. Therefore, several reasons have been accrued to the need for internships for students in the world today. The institute also encourages the students to undergo Internships in International Universities SRIT has signed International MoU's with Universiti Malaysia Perlis ( UNIMAP ), Ariel University, Israel which has enabled our students to gain global technical exposure. Since 2018, our students have completed interships in the International Universities.

### **Objectives:**

To enable students to gain experience in the industrial environment

To equip a student with some experience in operating in the real world

To provide involved students with soft skills, which may turn out to be more useful than technical skills

To provide students with an opportunity to network

### **The Context:**

Internships are foundational in preparing students for the workforce and providing opportunities after

graduation. Most employers seek career-ready college graduates who have been equipped with prior experiences and skills in a given field. Immersive internships in the field of study are essential to successful outcomes after graduation of a student. An internship is an amalgamation of theory and practice. Classroom environments involves the students with discussion, debate, peer interaction, and shared learning experiences but it's important for the student to apply and develop the academic concepts in a professional setting. Internships also offer the benefit of creating professional recommendations, practical experience, and building networking opportunities.

### **The Practice:**

#### **(i) STANDARD OPERATING PROCEDURE FOR INTERNSHIP**

The department internship coordinator has to collect a list of 3 companies from their department faculty members along with their address and the maximum count of students that the company can take.

- The department internship coordinator has to consolidate the list of companies that has been collected from their faculty members.
  - This company list has to be vetted by the panel constituted in the department by taking into consideration, the genuineness of the company.
  - The vetted company list has to present to the institutional academic committee.
  - After approval from the institutional academic committee, the students can submit the application form and the bonafide to the department internship coordinator, who in turn will submit the same to the institution's internship coordinator.
  - The institution internship coordinator will get the approval from the Principal in the bonafide and after approval, will return it back to the department internship coordinator.
  - It is mandatory that the students should earn 1 credit by attending internship for a period of 14 days. However, the student can earn upto 2 credits by attending internship for a period of 28 days.
  - Students attending internship outside the country, can earn 1 credit by attending internship for 7 days and can earn 2 credits by attending internship for 14 days.
  - Depending upon the company, a maximum of 7 students can attend internship in a particular company.
  - The department internship coordinator along with other faculty members from their department can do a random check by visiting the company to ensure that the student is attending the internship
  - After attending the internship, the student has to provide the original internship certificate to the department internship coordinator.
  - The department internship coordinator has to check the genuineness of the certificate that has been submitted.
  - The viva-voce has to be conducted during the specified date for the students who have submitted their

internship reports as per the format given.

- The evaluation panel will award the marks after conducting the viva-voce.

## **BENEFITS OF INTERNSHIP:**

### **Benefits to the Industry**

- Availability of ready to contribute candidates for employment.
- Year round source of highly motivated pre-professionals.
- Students bring new perspectives to problem solving.
- Visibility of the organization is increased on campus.
- Quality candidate's availability for temporary or seasonal positions and projects.
- Freedom for industrial staff to pursue more creative projects.
- Availability of flexible, cost-effective work force not requiring a long-term employer commitment.
- Proven, cost-effective way to recruit and evaluate potential employees.
- Enhancement of employer's image in the community by contributing to the educational enterprise.

### **Benefits to Students:**

- An opportunity to get hired by the Industry/ organization.
- Practical experience in an organizational setting.
- Excellent opportunity to see how the theoretical aspects learned in classes are integrated into the practical world. On-floor experience provides much more professional experience which is often worth more than classroom teaching.
- Helps them decide if the industry and the profession is the best career option to pursue.
- Opportunity to learn new skills and supplement knowledge.
- Opportunity to practice communication and teamwork skills.
- Opportunity to learn strategies like time management, multi-tasking etc in an industrial setup.
- Opportunity to meet new people and learn networking skills.

Makes a valuable addition to their resume.

- Enhances their candidacy for higher education.
- Creating network and social circle and developing relationships with industry people.
- Provides opportunity to evaluate the organization before committing to a full time position.

**Benefits to the Institute:**

- Build industrial relations.
- Makes the placement process easier.
- Improve institutional credibility & branding.
- Helps in retention of the students.
- Curriculum revision can be made based on feedback from Industry/ students.
- Improvement in teaching learning process.

**Evidence of Success:**

Many students seize internship opportunities, as having an internship experience leads to full-time job prospects and higher pay. In addition, internships helps students to apply classroom learning in a professional setting. It also introduces them to the world of work and provides an opportunity to develop their careers. Students can grow their technical know-how and soft skills, which are both crucial to landing a job. Thus, an internship paves the way for a full-time position later. A Batch-wise report on the number of students who have completed their internships is provided below.

<b>Branch</b>	<b>Batch</b>	<b>No. of students who have completed their internship</b>
EEE	2022-23	18
	2021-22	43
	2020-21	42
ECE	2022-23	38
	2021-22	98
	2020-21	135
CSE	2022-23	121
	2021-22	128
	2020-21	132
Mech	2022-23	46
	2021-22	121
	2020-21	192
Civil	2022-23	14

	2021-22	25
	2020-21	81
IT	2022-23	29
	2021-22	51
	2020-21	32

**Problems Encountered and Resources Required:**

**Problems Encountered:**

- Providing slots in the academic schedule to give training in regular time.
- Identifying the Core Industries that can provide training in the required slots.
- The college has provided the required resources by identifying many companies which enables the students to choose according to the slots in the academic schedule.

**Resources Required:**

- Hardware and software required for online internships
- The college management provided the required resources and the problems are solved with the co-operation of faculty members and students by providing suitable slots and staying beyond the working hours, if required.

File Description	Document
Best practices in the Institutional web site	<a href="#">View Document</a>

**7.3 Institutional Distinctiveness**

**7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words**

**Response:**

Sri Ramakrishna Institute of Technology (SRIT) is established in a rural locality and the Institution is primarily catering to the aspirations of the rural community of Tamil Nadu. But the institution envisions to achieve Global Visibility in the domain of Engineering and Scientific innovations. The academics of the Institution is planned carefully to thrust upon the exposure of students and faculty members to global academic and innovation events. They are constantly motivated to participate in National and International level technical competitions. Progressive efforts of global visibility is planned through consistent participation of members in international Technical project presentation, Idea presentation, patent registration and other academic activities. Though the pandemic induced travel restriction dents our effort in making students appear in global academic stages, every available opportunity is utilized through online platforms to keep the spirits of students high and sharp.

The focus on global visibility is initiated during the academic year 2016-2017. It got evolved and refined

during the academic year 2017-2018. During this academic year, several preparatory ground works were done in the domain of Engineering product innovation and development. During this period, Engineering divisions were created. Interested, focussed student and staff members are identified and special training programmes were organized. Research clusters were established based on the available research expertise among the faculty members for collaborative interdomain research activities. The identified research clusters are 1. Advanced Computing Technologies Research Cluster 2. Green Environment Research Cluster 3. Intelligent Signal Processing Research Cluster 4. Advanced Image Processing Research Cluster 5. Advanced Theoretical Science Research Cluster 6. Advanced Mathematics and Science Research Cluster 7. Advanced Manufacturing Technology Research Cluster and 8. Alternate Energy Research Cluster. Eminent scholars from the global research communities are drawn upon to deliver guest lecture sessions to the faculty members of the Institution. The international guest speakers included scholars from School of Electrical Technology, Unimap Malaysia Perlis Datuk Prof. Enmeritus Dr Kamaruddin Hussin and Dr Kamarulzaman Kamarudin, and Scholars from the faculty of Engineering, Ariel University Prof. Shraga Shoal and, Mr Oz Sorkin and many others from different educational institutions around the globe.

The efforts that made during the initial months of academic year 2017-2018 started to yield results towards the end of the same academic year. A team of 15 members including staff members and students of SRIT attended and won 6 awards in International Engineering Invention and Innovation Exhibition (i-ENVEX) 2018 conducted by University of Malaysia Perlis from 13.04.2018 to 15.04.2018 at Malaysia. SRIT also received a special contribution award in the same event. From there on, team SRIT consistently participated and won several medals and accolades in Engineering Innovation and Exhibition events conducted at several south east Asian countries like Malaysia, Singapore, Taiwan, Indonesia and South Korea. This continued during academic years 2018-2019 and 2019-2020. The Engineering competitions team SRIT participated includes 1. World Invention Creativity Olympic (WICO 2018) Seoul, South Korea 2. International Innovation, Creativity and Technology Exhibition (I2CreaTE 2019) Kuala Lumpur, Malaysia 3. 10th Kaohsiung International Invention Design Exp (KIDE - 2019), Kaohsiung, Taiwan and 4. Fourth International Art Creativity & Engineering Exhibition (I+ACEH) 2019, Indonesia.

During stressful periods of world pandemic too, we did not let our priority down. Team SRIT managed to participate and won awards through virtual platforms of international events. Team SRIT could able to participate in I2CreaTE 2021, International Innovation, Creativity and Technology Exhibition 2021, Malaysia. What began as a journey of a team of 15 members winning 6 awards, SRIT reached the milestone of gathering 43 awards in the latest event titled International Virtual EXPO of Innovation Product and System Design 2021(IN-VIDE 2021), organized at Malaysia. Through international event participation, SRIT not only aims exposure of its student and staff community to international research and innovation standards, but also makes the Indian Engineering educational standards and skill sets visible among the global research communities. Some of the projects that won accolades in the recently concluded innovative product design exhibition includes 1. Social Distancing crowd management system 2. Blind spot detection on headlights 3. Third eye for the blind 4. Semi-automatic sowing machine 5. Adaptive cruise control for intelligent vehicular flow using Arduino etc.

At the heart of our ambition towards global visibility is our effort to improve the knowledge in Engineering fundamentals thereby paving way for excellence in research and innovation among the student and faculty communities. SRIT started to bag prizes and awards in national level design and innovation competitions sponsored by Government bodies and Engineering societies. Some of such recent accolades worth mentioning are 1. Teams of SRIT "Garudans" and "E-Garudans" participated in the recently concluded national level karting challenge conducted by ISIE India at Galgotias University, Noida, and Uttar Pradesh.



They designed, developed and presented an E-Bike concept that earned 3 top awards with cash prizes. 2. Team SRIT mechanical engineering students secured top two positions in ASME extended reality challenge 2022 for their design of Autonomous Racing vehicle. The event is a national level competition conducted by Association of Mechanical Engineers (ASME). In addition, team SRIT won top honours in IITB-ISRO-AICTE Mapathon contests and many other Engineering events conducted in self-financing Institutions within the State of Tamil Nadu and outside.

So far, our global academic exposure is fairly limited to Malaysia, Indonesia, Korea, Taiwan and SriLanka. The institution aims to reach far and wide in the global stage to attract the attention of the world towards Indian education and research calibre. At the same time, also aiming to improve our own skill set by setting benchmarks that is continuously verified against global research output.

<b>File Description</b>	<b>Document</b>
Appropriate web in the Institutional website	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

- SRIT organizes annual book fair in its campus. Leading book stores in the city participates in the book fair and showcases their inventory. Student and faculty members are encouraged to suggest books that will be procured through the college library.
- SRIT organizes free dental camps and health check-up camps for parents and students at events where their participation is anticipated.
- Medical treatments at concessional rates are offered to students, parents and faculty members at Sri Ramakrishna Multi Speciality Hospital

### **Concluding Remarks :**

SRIT is guided by its Vision and Mission. Educational services are delivered around the single core value “God through Man”. SRIT aims to deliver quality education to students enrolled with different backgrounds, abilities through a dynamic curriculum, that is subjected to continuous revision through standard protocols, incorporating cross-cutting issues related to Ethics, Gender, Human Values, Environment and Sustainability. Student-centric learning methods are introduced with a special attention to inter domain skill development, where teaching – curricular requirements are carried out by academic departments, while student clubs are established to involve students in co-creation and build confidence levels. SRIT has good infrastructure facilities, considering growing demands of manpower requirements in terms of emerging areas of engineering domain, space required for academic, extra and co-curricular activities and space required for administrative and amenities purposes. SRIT has Research Policy that gives direction, motivation and implementation of various research facilities and activities., Guidelines and recommendations of new facilities are discussed and finalised in Institutional Academic Committee and Governing Council with necessary budget provisions. SRIT provides options to students to showcase their potential, implement student-led initiatives, participate in academic and administrative committees

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification										
1.1.2	<p><b>Percentage of Programmes where syllabus revision was carried out during the last five years.</b></p> <p>1.1.2.1. <b>Number of all Programmes offered by the institution during the last five years.</b> Answer before DVV Verification : 16 Answer after DVV Verification: 09</p> <p>1.1.2.2. <b>How many Programmes were revised out of total number of Programmes offered during the last five years</b> Answer before DVV Verification : 16 Answer after DVV Verification: 09</p> <p>Remark : DVV has made the changes as per 1.1</p>										
1.2.1	<p><b>Percentage of new courses introduced of the total number of courses across all programs offered during the last five years.</b></p> <p>1.2.1.1. How many new courses are introduced within the last five years Answer before DVV Verification : 198 Answer after DVV Verification: 208</p> <p>1.2.1.2. <b>Number of courses offered by the institution across all programmes during the last five years.</b> Answer before DVV Verification : 982 Answer after DVV Verification: 982</p> <p>Remark : DVV has made the changes as per shared report by HEI.</p>										
1.2.2	<p><b>Percentage of Programmes in which Choice Based Credit System (CBCS) / elective course system has been implemented (Data for the latest completed academic year).</b></p> <p>1.2.2.1. <b>Number of Programmes in which CBCS / Elective course system implemented.</b> Answer before DVV Verification : 13 Answer after DVV Verification: 09</p> <p>Remark : DVV has made the changes as per 1.1</p>										
1.3.2	<p><b>Number of value-added courses for imparting transferable and life skills offered during last five years.</b></p> <p>1.3.2.1. <b>How many new value-added courses are added within the last five years</b> Answer before DVV Verification:</p> <table border="1"><thead><tr><th>2021-22</th><th>2020-21</th><th>2019-20</th><th>2018-19</th><th>2017-18</th></tr></thead><tbody><tr><td>25</td><td>26</td><td>26</td><td>26</td><td>26</td></tr></tbody></table>	2021-22	2020-21	2019-20	2018-19	2017-18	25	26	26	26	26
2021-22	2020-21	2019-20	2018-19	2017-18							
25	26	26	26	26							

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
15	15	15	15	15

Remark : DVV has excluded repeat count of the same program in assessment years.

**1.3.3 Average Percentage of students enrolled in the courses under 1.3.2 above.**

**1.3.3.1. Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1539	1787	1954	2132	2200

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1325	1564	1258	1562	1952

Remark : DVV has made the changes as per 1.3.2

**1.4.1 Structured feedback for design and review of syllabus – semester-wise / year-wise is received from**

**1) Students, 2) Teachers, 3) Employers,**

**4) Alumni**

Answer before DVV Verification : A. All 4 of the above

Answer After DVV Verification: B. Any 3 of the above

Remark : DVV has select B. Any 3 of the above as per shared report bY HEI.

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

Answer before DVV Verification : A. Feedback collected, analysed and action taken and report made available on website

Answer After DVV Verification: E. Feedback not obtained

Remark : DVV has select E. Feedback not obtained as HEI has not provided feedback analysis and not uploaded in HEI website.

**2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**

**2.4.3.1. Total experience of full-time teachers**

Answer before DVV Verification : 760.6

Answer after DVV Verification: 456.0

Remark : DVV has excluded experience of teachers with less than one year.

**3.2.4 Average percentage of departments having Research projects funded by government and non-government agencies during the last five years**

**3.2.4.1. Number of departments having Research projects funded by government and non-government agencies during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
5	4	7	4	4

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
3	3	3	3	3

**3.2.4.2. Number of departments offering academic programmes**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
5	7	7	7	7

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
5	7	7	7	7

Remark : DVV has made the changes as English, Physics Chemistry & Mathematics departments.

**3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years.**

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
18	5	1	0	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
08	2	0	0	0

Remark : DVV has excluded National Science Day, National Education Day, National pollution day, Awareness programs etc.

**3.4.3 Number of research papers per teachers in the Journals notified on UGC website during the last five years**

3.4.3.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
59	75	68	54	63

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
36	41	45	52	41

Remark : DVV has excluded the publication made during 2022 and publications with ISBN.

**3.4.4 Number of books and chapters in edited volumes / books published per teacher during the last five years**

3.4.4.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
20	31	36	38	27

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
12	23	21	14	15

Remark : DVV has excluded the publication made during 2022 and publications without ISBN.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
3	1	0	0	3

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1	1	0	0	3

Remark : DVV has not consider shared certificate of appreciation and excellence.

**3.6.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

**3.6.3.1. Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
5	7	10	6	17

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
5	7	9	6	16

**3.6.4 Average percentage of students participating in extension activities listed at 3.6.3 above during the last five years**

**3.6.4.1. Total number of students participating in extension activities listed at 3.6.3 above year-wise during the last five years.**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
922	1182	1133	1057	1909

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
922	1182	1129	1057	1792

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

**3.7.1.1. Total number of Collaborative activities per year for research/ faculty exchange/ student exchange/ internship/ on –the-job training/ project work**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18

84	96	431	276	2
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
4	5	7	6	2

Remark : DVV has made the changes as per shared report bY HEI.

4.1.3 **Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)**

4.1.3.1. **Number of classrooms and seminar halls with ICT facilities**

Answer before DVV Verification : 48

Answer after DVV Verification: 25

Remark : DVV has made the changes as per shared report by HEI.

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

5.3.1.1. **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) year - wise during the last five years.**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
90	0	22	41	13

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
46	0	16	23	11

Remark : DVV has excluded Inter collegiate level awards.

6.3.2 **Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years.**

6.3.2.1. **Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
8	0	16	4	2



Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
8	0	6	4	0

Remark : DVV has made the changes as Same teacher availing financial supporting more than once in the same year to be considered as one.

6.3.4

**Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course ).**

**6.3.4.1. Total number of teachers attending professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
88	194	168	72	114

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
45	105	152	41	98

Remark : DVV has made the changes as Same teacher attending more FDPs in the same year to be considered as one.

7.1.6

**Quality audits on environment and energy are regularly undertaken by the Institution and any awards received for such green campus initiatives:**

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

Answer before DVV Verification : A. Any 4 or all of the above

Answer After DVV Verification: C. 2 of the above

Remark : DVV has select C. 2 of the above as Audit certificates provided are beyond the assessment period.

7.1.7

**The Institution has disabled-friendly, barrier free environment**

1. Built environment with ramps/lifts for easy access to classrooms.
2. Divyangjan friendly washrooms

3. **Signage including tactile path, lights, display boards and signposts**
4. **Assistive technology and facilities for Divyangjan accessible website, screen-reading software, mechanized equipment**
5. **Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading**

Answer before DVV Verification : A. Any 4 or all of the above

Answer After DVV Verification: C. 2 of the above

Remark : DVV has select C. 2 of the above as per shared report by HEI.

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.**

1. **The Code of Conduct is displayed on the website**
2. **There is a committee to monitor adherence to the Code of Conduct**
3. **Institution organizes professional ethics programmes for students, teachers, administrators and other staff**
4. **Annual awareness programmes on Code of Conduct are organized**

Answer before DVV Verification : A. All of the above

Answer After DVV Verification: C. 2 of the above

Remark : DVV has select C. 2 of the above as per shared report by HEI.

## 2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p><b>Number of programs offered year-wise for last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>16</td> <td>16</td> <td>16</td> <td>16</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>09</td> <td>21</td> <td>21</td> <td>21</td> <td>21</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	13	16	16	16	16	2021-22	2020-21	2019-20	2018-19	2017-18	09	21	21	21	21
2021-22	2020-21	2019-20	2018-19	2017-18																	
13	16	16	16	16																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
09	21	21	21	21																	