



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**SWAMI VIVEKANAND INSTITUTE OF ENGINEERING  
AND TECHNOLOGY**

**VILLAGE RAMNAGAR, NEAR BANUR TEHSIL-RAJPURA, DIST. PATIALA,  
PUNJAB**

**140601**

**<https://sviet.org.in>**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**(Draft)**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Swami Vivekanand Institute of Engineering & Technology (SVIET), Rajpura, Punjab is a Premier Private Institution in North India delivering real world solutions through an integrated learning hub, enriched with a distinctive academic fusion. SVIET was established in 2004 under the aegis of Sh. Raghunath Rai Memorial Education & Charitable Trust. It has a state-of-the-art campus situated 30 km from Chandigarh on the NH-1 Chandigarh-Patiala National Highway. The sprawling campus of the SVIET is equidistant from Chandigarh, Mohali, Panchkula, Ambala, and Patiala. SVIET has a mission to build leaders through holistic, transformative, and innovative education.

The institute also believes and focuses on social engagement and commitment to the growth and development of the nation's economy and society. The institute has MOUs with prestigious institutions, automotive, & manufacturing sectors and various international institutions to provide best possible exposure and quality education to students in order to make them not only greatly successful professionals, managers, entrepreneurs and technologists but also to make them fully responsible and awakened members of the society. SVIET faculty members are highly qualified and having research experience in various fields of engineering and technology. They are dedicated to providing students with the highest quality of education and mentorship, ensuring that they have the necessary skills and Knowledge to succeed in their chosen careers. The academic implementation is well documented to have effective monitoring of the curriculum delivery at various levels. MOUs is with from automotive, and manufacturing sectors, providing students with opportunities for internships, projects, and placements. SVIET is an eco-friendly campus and green initiatives like Solar based Power Plant, Waste Management etc. has been consciously taken to take care of environmental sustainability. The SVIET has world-class infrastructure with modern laboratories equipped with the latest technology and equipment as well as a well-equipped sports complex that encourages students to participate in various physical activities. The institute has an enormous library with an extensive collection of books, journals, and other academic resources. In addition to its academic programs, the institute has a vibrant student life, with a range of extra curricular activities, clubs, and societies that provide to students' interests and hobbies.

### Vision

To become one of the most preferred learning places as a leading global technical institute that aims to bring a revolutionary change in education to create luminaries and innovators, and also propagate new knowledge for society and industry, and to make the youth self-reliant.

### Mission

- To provide an education that transforms students through rigorous coursework and by providing an understanding of the needs of society and industry.
- To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.
- To provide a scholarly and professional environment that enables our faculty, students, and staff to make lasting contributions to the advancement of learning.

- The institute provides students with a platform for interdisciplinary research which not only gives them a well-rounded perspective but also helps them keep in view the sociological relevance of science, education, and research.
- To find the route to success at the intersection of theory and practice, discover and implement innovative solutions to real-world problems.
- To build leaders through holistic, transformative, and innovative education.

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

### Institutional Strength

- Visionary, Supportive and Progressive Management
- E-Governance
- Clear Vision, Mission and Objectives.
- Good reputation for high quality teaching & high-tech laboratory based practical skills.
- State of Art Infrastructure, Library with journals and reference books, ICT enabled AirConditioned Classrooms and Workshops.
- Various indoor and outdoor games and sports facilities
- 100% power backup
- Eco-friendly green campus.
- Mentor-mentee system
- Well qualified, determined and experienced faculty members as per AICTE and IKGPTU norms.
- Diversity in students from all states of the country and abroad.
- Technical skill-based industrial training by well-qualified trainers
- The formative and summative evaluation system
- Employability enhancement programs for students
- Memoranda of Understanding (MoU) with academic Institutions/Universities, industries at National and International Level or curriculum enrichment, FDPs and Students Training Programs.
- Placements in reputed companies.
- The institute promotes women empowerment and supports female staff & students in term of finance and other basic facilities.
- Transport facility for students and staff.
- Proactive Internal Quality Assurance Cell (IQAC) to ensure quality in teaching learning process.
- Various clubs to facilitate co-curricular and extension/outreach activities.
- Separate Hostel facility for boys and girls inside the campus.
- Financial support to participate in events/ conferences/ seminars/workshops/ competitions.

### Institutional Weakness

- Lack of Government funded projects
- Collaboration for futuristic research and development needs to be strengthened.
- Teaching faculty from industry is less, and need to be recruited.
- Non receipt of financial assistance from government agencies.
- Non-availability of senior faculty in emerging areas.
- Geographical Location

## **Institutional Opportunity**

- Applying for NIRF ranking.
- Faculty will be encouraged to bring Govt. funded projects.
- Tie-ups with research laboratories to promote Industry sponsored Centre of Excellences.
- SVIET has lecture recording facility to create a video expert lectures reservoir.
- More E-learning platforms to be joined to strengthen quality education
- More research publications in high impact journals will be made.

## **Institutional Challenge**

- To enhance faculty and student exchange programs with reputed International organizations.
- To get research funding from government agencies.
- Difficult to get qualified faculty in the specialization field due to fast technological changes in industry.
- To build up more number of future entrepreneurs from student.
- Admission competition from the peer institutions in engineering

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

Swami Vivekanand Institute of Engineering & Technology (SVIET) proudly owns seven Departments offering 11 programs to reach out to a wide spectrum of learners across the globe. The curriculum is designed by the Board of Studies of IKG PTU and is duly approved by the academic council in the field of Engineering, Computer Applications and Management. The curriculum of undergraduate and postgraduate courses has elective subjects across the disciplines as open and departmental electives. The IKG PTU formulates and revises the course curriculum regularly to focus on latest technology & innovations. The curriculum has also included the subjects making awareness about the Professional and Social ethics. The Choice Based Credit System (CBCS) curriculum allows to students to opt for courses cutting across disciplines, enabling them to acquire a more holistic perspective and leverage their talent and capabilities making them more industry-ready.

SVIET designed its own academic calendar after consultation with the Heads of the Departments in line with the Academic Calendar published by the IKG Punjab Technical University by adding the Departmental and Institutional co-curricular activities. Faculty members deliver curriculum through a lesson plan and try to follow in true spirit. Furthermore, guest lecturer, workshops, industrial visits, expert talks by industry persons add to the required exposure. The course delivery is a combination of blended learning, classroom contact sessions, certification programs, projects and assignments having industry relevance. Every department conducts the Add-on courses certificate courses including the soft and technical skills to enhance employability of the students, and to fill the gap between academia and industry.

Allotment of subjects including open electives is done by the respective HOD based on the faculty expertise and preference obtained as per preference given by faculty. The IQAC cell monitors and assists the faculty members for effective curriculum delivery. The feedback received from the students and other stakeholders like faculty, alumni, and industry are carefully analysed discussed and appropriate actions are initiated. The institute taken the corrective measures based on the feedback from the stakeholders to improve the teaching-learning experience. Additionally, a feedback is also taken through class representatives to solve the student problems

related to teaching, administration, library, infrastructure, etc.

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

SVIET has students from diverse sets of communities and geographical regions of the globe with contrast of traditions. SVIET is admitting students in various programs through a transparent, well-managed process that complies with all regulatory & governing agency rules and regulations, including those of the affiliated technical university. The admission process also ensures inclusion of students from the reserve categories defined by State Government of Punjab. SVIET has a good reservoir of E-learning study materials. At the entry level of newly joined undergraduate students, an induction program and bridge courses are conducted to enhance the student's skills. Students also are made aware of their programme based POs, PSOs and PEOs. The institute systematically checks the attainment of outcomes and frequently reviews the teaching- learning process.

SVIET maintain the student-teacher ratio as per the norms of IKG Punjab Technical University and our administration takes necessary measures to maintain the retention of the staff members. The excellent mentor-mentee system of the institute takes care of academic and stress related issues. The slow learners are counselled repeatedly through the mentor-mentee system of the Institute. Additional support for advanced learners students are also provided that promotes an independent, interactive and collaborative learning. Encouragement and support for all co-curricular and extracurricular activities to nurture critical thinking, creativity and scientific temperament. On an average above 80% of students graduate every year. Alumni members help in enhancing teaching learning process by giving advices to the students for latest courses to be taken for enhancing their placement opportunities through blended mode sessions.

The well qualified faculty are taught to students with the usage of ICT tools, live demonstration, work sheets, manuals, online platforms viz. SWAYAM, MOOCS etc, and customized study materials. The institute priority is given to experiential and practical based learning initiatives. Consistently class committee meetings are conducted by all departments and resolve the grievances of students if any, and reported to concerned authority. Students are counselled for their academic improvements and also to solve any family or financial problems. The semester result analysis is carried out and the remedial classes are adopted for academically weaker students.

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

SVIET has a clear vision to promote research and extend technical expertise to contribute in novel academic and industry innovations. The institute research activities are governed by research policies and guidelines as available on the college website. SVIET has been conducting periodic workshops, seminars and conferences for the benefit and promotion of research culture and encouraging faculty members to involve in article presentations & publications, and establishing collaboration for research activity. SVIET encourages the faculty members to engage in interdisciplinary research and development activities. Faculty members of the college have published more than 500 research papers in UGC care /peer-reviewed/Scopus/SCI/Web of Science journals, more than 34 books and several book chapters published in the last five years. The faculty members who do not possess Ph.D degree are provided with the chances to register in Ph.D Program. The Institute also promotes extension activities by the students, faculty, and staff members in the neighbourhood community to create a holistic environment. Students are made aware of their moral and social obligations through extension activities of the NCC unit conducted such as awareness camps, tree plantation, medical camps, rallies, blood

donation camps etc. The college has received awards and recognition from the Government recognized bodies for extension activities. More than 40 extension programs were conducted in the last five years. The college has several collaborations with industries, colleges, training institutions and research organizations for purposes of research collaboration and training students in the college.

The collage facilities an ecosystem for Innovation and also supports its faculty members in terms of funding, infrastructure and guidance to pursue research. SVIET has conducted a number of activities such as seminars, workshops, FDPs, etc on research methodology, intellectual property rights, and entrepreneurship during the last five years for the benefit of faculty members and students to gain knowledge. SVIET provides financial assistance s to the faculty for their research contribution and also to attend conferences and seminars. The faculty members also submit research projects to government and non-government agencies for funding and consultancy. The institution has received a fund more than Rs.20 lakhs from non-government agencies for the research work. The SVIET has good infrastructure for research activity with many departments having acquired basic apparatus suitable for carrying out research also.

### **Infrastructure and Learning Resources**

The SVIET campus spared in a green, clean, neat and spacious environment has modern facilities modern facilities and learning resources as per the requirements of different academic programs and as per the norms of AICTE and IKG Punjab Technical University. SVIET have 42 classrooms that are well-spaced, air-conditioned, and equipped with ICT aids. The classrooms are well furnished, good ventilation and are well illuminated. They are maintained as per norms for proper visibility and audibility. LCD projectors available in all ICT enabled class rooms. The college has established a high-speed Wi-Fi campus having wide network connecting with all Departments computer systems, and full access to all staffs to access online sources of services and information. The institute has sufficient infrastructure to promote sports and cultural activities among the students. There are two hostels, three seminar halls, one conference hall and one Auditorium. One seminar hall is also equipped with video conferencing facility along with high speed internet connectivity with high configuration brand laptops. IoT Laboratory is recent addition to the laboratory facilities. The college has wide and spacious playgrounds for the sports activities of the students. The SVIET also offers a cloud of other facilities such as a powerhouse, an RO water stations, a workshop complex, and a food court. The college has ATM and Transport facilities which includes sufficient number of buses for all students and staff.

All The Laboratories are having a sufficient number of equipment's to impart practical training to the students as per the IKG Punjab Technical University course curriculum. Digital Library is equipped with Digital Systems; users can access e-resources like EBSCO, DELNET, NDL and other e- resources. Faculty and students can access the facilities beyond the office working hours. Excellent power back up through generators. Adequate financial allocations are made for internal maintenance work of all infrastructures and maintenance of greenery. Online Public Access Catalogue (OPAC) is available in the college library. In OPAC links are provided for e-resources. OPAC that provides access to a library's collection of resources, allowing faculty and students to search and locate materials such as books, journals, multimedia items, and other library holdings.

### **Student Support and Progression**

SVIET is a student-centric institution. Student mentoring and support has always been a primary focus of the college. The student mentoring process starts with the enrolment of student and continues till the completion of their program. Every faculty member is appointed as mentor and assigned under a system to the students. We

focus on skill development through internships, workshops, practical's, and specially designed courses under content beyond the syllabus. SVIET is always promotes education to the lower section of the Society. The Institute SC/ST cell facilitates the students to avail the scholarships under the various Government and Non-Government Schemes. The institute management also provide financial assistance to the needy students through equity action plan to make their dreams true. Remedial classes is provided for academically weak students so that they can improve in their academics. Bridge courses are conducted for lateral entry students to address the curriculum gaps between diploma and current course of study. Software training programs are conducted for all students which help them to learn latest software's in the field, apart from that given in their curriculum.

The training and placement cell has a proper placement policy to guide every student to tread a career path in his/her chosen domain. Our Placements records are improving over time in quantity and quality. The institute provide guidance to students for competitive examination, soft skills training and computing skills innitives. Life skills development programs like yoga, health and hygiene related programs are conducted for the holistic development. Add-on certificate courses are offered to the students to enhance their skills and capabilities. Industrial tie ups with companies are done to carry out value added programmes. The institute is very strict about discipline including ragging, and women's respect. Grievance Redressal Committee, Anti-Ragging Committee, Women Anti-Harassment Cell and Internal Complaints Committee help the students to address the issues, if there is any. The alumni members contributes actively to the growth of the institution. They contributes significantly to the development of the institution through financial and non financial initiatives. The institute has won several awards and honours in different contests of national, and university-level competitions.

### **Governance, Leadership and Management**

SVIET has clearly stated vision and mission that are well aligned with its administrative governance. The college follows the hierarchy of leadership to make sure effective organizational working and consistent improvement. SVIET has a democratic and participative management structure that welcomes ideas and Suggestions from every layer of workers. Our core values demand all stakeholders be fair, responsible, student-focused, exhibit humility, practice ethics, and endeavour for continuous learning. A clear strategic plan-2030 is in place and regularly implemented, with a focus on the colleges core competencies. The Board of Governors provides guidelines, set benchmarks, and formulates policy matters for laying the foundations of transparent governance. Institute strives for a democratic form of leadership and encourages employees' participation in decision-making so that the resources required to run an institution are properly aligned and rationally used to achieve the vision. The head of the institution in consultation with various statutory and non-statutory bodies focuses on the successful implementation of the policies and the procedures Institution and departments have a clear perspective plan and it is deployed effectively. Each functional body is clearly defined with service rules and procedures. Institution has well defined procedures for recruitment and promotion. The SVIET implements several welfare measures for the faculty and staff for their personal and professional growth including gratuity, maternity leave for women, provident fund etc. and financial support for higher education.

The financial management and mobilization of resources are monitored through periodic financial audits conducted by internal and external agencies. The IQAC conducts the Academic and Administrative Audits and based on the observation of the report, quality recommendations are given. IQAC is responsible for the effective implementation of the academic quality processes, by conducting periodic meeting and organize collaborative and quality initiatives. Various institutional bodies/ cells/ committees are working effectively and regular meetings are called for the discussions, minutes of meetings are recorded and action taken reports are

sorted. The SVIET is committed to achieve excellence in technical education and providing world class infrastructure to its students, faculty and staffs. The main focus on continuous upgrading and quality assurance is evident in the various measures that the institution has implemented.

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

The SVIET is shown in the best practices adopted for the development of its students and staff members as well as towards the society and nation at large. The college is sensitive to gender equity and parity, and also believes in providing impartial treatment to men and women both and act with no discrimination against women. Safety and security of both Genders are our prime responsibility; Grievance Cell looks into all complaints, common room and counselling facilities are provided to females. Our campus is equipped with a sufficient number of CCTV cameras. Community initiatives and sustainability is one of the best practices of the college. SVIET organize community engagement programs like blood donation camps, tree plantation, women hygiene, free medical camps, awareness camps on social issues like right to education, right to information etc.

SVIET has taken some significant measures in energy conservation, waste management and tapping unconventional energy sources. SVIET has 300 KW solar power- plant and has a plan to increase it by 500 KW in near future to meet total power requirement through renewable energy sources. Energy conservation is done to avoid unwanted usage of electricity, and other steps are initiated by the institution for the management of degradable and non-degradable wastes in the campus. We have restricted the use of plastic in the college campus. The institute is disabled-friendly and provides a barrier-free environment. SVIET students are encourage to celebrate and organize commemorative days, events and festivals regularly, which enables them to excel in logical thinking, team building skills and leadership skills.

Two best practices implemented at SVIET are entitled “Providing Free Computer Education to the School Students” and “Improving Student’s Engagement through Participation in Extracurricular Activities”. As result, the first initiative providing free computer education to school students and the second initiative results in the acquisition of positions in the inter-college and University level events. The SVIET has attempted to promote and support young students in working with innovative ideas and transforming them into prototypes following the guidelines of MHRD. The Institutions carried out numerous initiatives to foster innovation and start-ups in the campus. SVIET also has implemented the formula of ‘Each One Teach One’ in the curriculum to give free of cost computer classes to the students of different schools in the country.



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	SWAMI VIVEKANAND INSTITUTE OF ENGINEERING AND TECHNOLOGY
Address	Village RAMNAGAR, Near Banur TEHSIL-RAJPURA, DIST. PATIALA, PUNJAB
City	Rajpura
State	Punjab
Pin	140601
Website	<a href="https://sviet.org.in">https://sviet.org.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Pertik Garg	01762-507353	9216910212	-	directorplaning@gmail.com
IQAC / CIQA coordinator	Nisha	-	7889029008	-	nishasviet@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details

State	University name	Document
Punjab	The I.K. Gujaral Punjab Technical University	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date	View Document
2f of UGC		
12B of UGC		

**Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)**

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	08-01-2024	12	

**Recognitions**

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

**Location and Area of Campus**

Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Village RAMNAGAR, Near Banur TEHSIL-RAJPURA, DIST. PATIALA, PUNJAB	Rural	20	175500

**2.2 ACADEMIC INFORMATION**

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Department Of Civil Engineering,Civil Engineering	48	HSC	English	90	65
UG	BTech,Department Of Computer Science And Engineering, Computer Science and Design	48	HSC	English	60	60
UG	BTech,Department Of Computer Science And Engineering, Computer Science and Engineering	48	HSC	English	120	120
UG	BTech,Department Of Electrical Engineering,Electrical Engineering	48	HSC	English	60	46
UG	BTech,Department Of Electronics And Communication Engineering,Electronics and Communication	48	HSC	English	30	24
UG	BTech,Department Of Mechanical	48	HSC	English	60	10

	Engineering, Mechanical Engineering					
PG	MCA,Department Of Computer Applications,Master in Computer Applications	24	Graduation	English	60	55
PG	Mtech,Department Of Computer Science And Engineering, Computer Science and Engineering	24	B Tech	English	24	21
PG	Mtech,Department Of Electronics And Communication Engineering,Electronics and Communication	24	B Tech	English	18	15
PG	MBA,Department Of Business Administration, Master in Business Administration	24	Graduation	English	60	60
PG	Mtech,Department Of Mechanical Engineering, Mechanical Engineering	24	B Tech	English	18	15

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

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	11				22				70			
Recruited	4	3	0	7	8	6	0	14	28	42	0	70
Yet to Recruit	4				8				0			
Sanctioned by the Management/Society or Other Authorized Bodies	7				14				82			
Recruited	4	3	0	7	8	6	0	14	29	48	0	77
Yet to Recruit	0				0				5			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				37
Recruited	16	21	0	37
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				37
Recruited	16	21	0	37
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				21
Recruited	15	6	0	21
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				21
Recruited	15	6	0	21
Yet to Recruit				0

### Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	4	3	0	8	6	0	0	0	0	21
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	29	48	0	77
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
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

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
	4	3	0	7

**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	44	218	0	6	268
	Female	16	41	0	0	57
	Others	0	0	0	0	0
PG	Male	19	80	0	11	110
	Female	21	34	0	1	56
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	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	17	17	17	23
	Female	4	4	3	8
	Others	0	0	0	0
ST	Male	5	5	2	4
	Female	3	0	1	3
	Others	0	0	0	0
OBC	Male	30	33	54	70
	Female	5	9	6	13
	Others	0	0	0	0
General	Male	121	102	111	145
	Female	30	27	28	30
	Others	0	0	0	0
Others	Male	254	238	246	141
	Female	57	37	47	23
	Others	0	0	0	0
Total		526	472	515	460

### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>Swami Vivekanand Institute of Engineering &amp; Technology has always followed the multidisciplinary concept in academics as well as curricular activities as per direction of affiliated University. Multidisciplinary part is an academic and pedagogical approach to develop multiple capacities among the students by integrating formal and informal learning opportunities and teaching, research and community engagements and promoting cross-disciplinary and interdisciplinary perspectives and academic practice. Different Engineering Departments offer open elective courses wherein the student from the other discipline of engineering chose the course and upgrade their knowledge across the</p>
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	<p>discipline. Additionally, the major elective of a particular branch helps in gaining the knowledge w.r.t. specific branch knowledge keeping in view the knowledge of all subjects studied during the course of study. Similarly at the Institution, different multidisciplinary teams are formed to participate in various technological events viz. Hackathons. SVIET has introduced NEP 2020 at various steps, identified bench marks from various departments for multidisciplinary courses and closely following the norms and regulations of the IKGPTU affiliating university.</p>
2. Academic bank of credits (ABC):	<p>Academic Bank of Credits (ABC) is essentially a credit-based, and highly flexible, student-centric facility. SVIET has implemented the Academic Bank of Credits as per UGC guidelines under NEP 2020 the instructions of IKGPTU affiliating University and recommendation of AICTE New Delhi. The Institution has registered in ABC portal under digilocker and most of the students from various batches have also registered in ABC portal and the institution is making the endeavours to make the students aware about the same through various awareness programs and workshops. Students also taking online courses digitally in National Schemes like MOOCs, SWAYAM, NPTEL or of any specified organization, shall also be considered for credit transfer and credit accumulation under ABC.</p>
3. Skill development:	<p>Integrating of vocational education with general education is the utmost promising way to provide for holistic development of the students, equipping them with knowledge, skills and competencies which would prepare them for life and work. SVIET has identified to tie-up with various industries for training with minor, major projects and internship to expose the students to the work in real time environment and get the experience of hands-on practice. SVIET is in process for developing some bridge courses of varying duration depending on the pre-requirements of the course a student intends to move to horizontally. The Institute also provides facilities to students to work in live industrial projects to improve employability of students. The Institute organized FDPs to train the trainers, this concept helps to improve the technical skill of faculty which further pass on the knowledge to the student. The add-on programs started at SVIET to prove an asset under</p>

	<p>SWAYAM, NPTEL, Coursera, LinkedIN, Goggle, Udemmy for skill development and gain certifications .The Institution shall make necessary arrangements to provide skill development for college dropouts and unemployed youth through short term courses that help to get job opportunities.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>National Education Policy (NEP)-2020 is introduced by the Government of India to reform the education system. NEP policy envisages a greater promotion of Indian Arts, Languages and Culture. NEP elaborates on the cultural and knowledge heritage of India, the importance of the multilanguage and multicultural background of the country and the necessity for revitalizing these realms for the betterment of the country and the world. The importance of communication in English shall not be discouraged because most engineering students belong to the science subject and demand teaching in English while completing their engineering degrees. Moreover, the faculty will be trained to express their views, areas, thought, and opinion in a mixed mode i.e. in English and the national language Hindi to fulfill the ambition of the students. The courses like universal human values, the constitution of India, disaster management, professional ethics, environment and sustainability helps to students to develop their personality, technical knowledge and current environmental problems by using the local language and English.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>SVIET followed Outcome Based Education in year to impart education through student centric approach. Programme Outcomes(POs), Programme Specific Outcomes (PSOs), and Course Outcomes (COs) have been formulated for all the UG and PG programs. The institute has well-defined program outcomes (PO), Program educational outcomes (PEO), and course outcomes (CO) on our website. It reflects the quality of teaching and delivery across the divisions and departments where faculty may focus more appropriately to achieve the outcomes. NEP-2020 also addresses the above parameter while assessing outcomes.</p>
<p>6. Distance education/online education:</p>	<p>The modes of the teaching- learning all over the world is significantly shifting from all class room teaching and learning to partly classroom partly online teaching learning pedagogy. This is exhibited</p>

	<p>popularity of online education like SWAYAM, NPTEL MOOCs etc. is also keeping abreast in this new paradigm. SVIET encourage to students and faculty to register and write examinations under SWAYAM, NPTEL educational platforms, Coursera, Udemy, LinkedIN, Google online certifications. The institution has also successfully imparted all its course content delivery in online mode during the pandemic COVID-19 and also conducted online examinations successfully. The appropriate existing e-learning platforms will be strengthened and content creation, digital depository and imparting the knowledge in online mode to students and faculty.</p>
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### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	<p>Yes , Electoral Literacy club has been set up at SVIET College to promote important of voter rights among students, staff and nearby community. Electoral Literacy Club is especially being set up in colleges targeting the new voters, pursuing their graduation. The club have all the students from all semesters as its members. It is a platform to engage students through interesting activities and hands-on experience to sensitize them on their electoral rights and familiarize them with the electoral process of registration and voting. At ELCs, learning meets fun. Activities and Games are designed to stimulate and motivate students provoking them to think and ask questions.</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>Yes, the ELC club is Functional and actively conduct various workshops, survey and rallies in near by villages to promote voter rights. Student Coordinator as well as Faculty Co-Coordinator are being appointed for smooth functioning of the club. Ms. Vandana Pushe, and Ms. Roopshikha are members of the ELC Club.</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	<p>The SVIET conducts activities to create sensitization of students and employees by voter awareness program, voter's registration drive, voter awareness rally, seminar on voter awareness to Empowered Prospective Voters.</p>

ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	
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.	Voter awareness program and surveys conducted by the students of SVIET Electoral Literacy club in nearby villages also for contribution to democratic values.
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.	Voter registration drive conducted at Institute for above 18 years of age from time to time for newly admitted students from various states. National Voter days are also celebrated in the college every year.

## Extended Profile

### 1 Students

#### 1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1091	1196	1271	1430	1517

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

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 131

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

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
98	102	101	101	104

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2022-23	2021-22	2020-21	2019-20	2018-19
436.05	476.73	616.24	848.51	951.29

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1

**The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment**

##### **Response:**

Swami Vivekanand Institute of Engineering & Technology (SVIET), Rajpura, Punjab is affiliated to I.K.G. Punjab Technical University (IKGPTU), Jalandhar, Punjab and has significant role in curriculum designing and development. The Punjab Technical University formulates and revise the curriculum regularly as per requirements. The college academic calendar is prepared in line with the Academic Calenda of the IKG Punjab Technical University by adding the Institutional academic activities. The subject allocation process is completed well before the start of the academic session so that the faculty gets enough time to plan the academic delivery. The time table finalized well before the start of the session.

##### **Curricular Scheduling:**

The SVIET follows the curriculum as specified by the I.K.G. Punjab Technical University. The university curriculum is a blend of Humanities, Basic Science, Basic Engineering, Core Courses, Elective Courses, Projects and Seminars etc. Each faculty member prepares the course file and lesson plan to ensure the planings to coverage of the syllabus and is monitored periodically by the head of the department and related issues are resolved in the Departmental meetings. The faculty members identify the gaps and cover it through the content beyond the syllabus during the session. The slow and advance learner students are identified and record the improvement continuously with remedial measures. The Institute also offered Value Added courses through topic beyond curriculum to enhance skills of students.

##### **Curriculum Delivery:**

The curriculum delivery is made using various instructional approaches and pedagogical initiatives viz. Lectures, Tutorials, Guest Lectures, Industrial visits, Seminars, Workshops, Group discussions, Laboratory work, Project Work, etc.

##### **Online Self-Learning Initiatives:**

The SVIET provides avenues for students to demonstrate their co-curricular activities by participating in technical & cultural events like Hackathons, Spontania, Science Fiesta, Tech Fest, etc. The use of the digital library and open-source digital contents, such as NPTEL, SWAYAM, Google, LinkedIn, Udemy, and Coursera are in general encouraged.

##### **Continous Internal Assessment:**



SVIET adopts a continuous assessment to ensure and monitor effective course outcomes and forms a basis for measurement of curriculum effectiveness and accordingly teachers plans remedial measures. Mid Semester Test, Assignments, Quizzes, Viva-Voce Class Test, etc. are conducted for the theory and for practical courses. The conduct, record, and viva voce of each practical are examined by the teacher and award marks accordingly and same has been well documented.

#### **Monitoring and Corrective Measures:**

Monitoring involves the attendance and performance of the students through continuous internal assessments and course outcome attainments. The outcome attainment helps in taking corrective measure for future accomplishment of students

#### **Experiential and Participative Learning:**

After the completion of semester examinations, students are facilitated to attend industrial training, internships and field visits during their vacations for practical exposure in real time.

#### **Feedback System:**

Systematic well documented Stakholders' feedback are used for bringing improvement in curriculum development, program delivery. It identifies the shortcomings and proposes the corrective measures related to curriculum delivery.

#### **Academic Audits:**

Academic Audits are carried out by Internal and external academic experts periodically as per policy to find out the shortcomings and suggest improvements for academic excellence.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## **1.2 Academic Flexibility**

### **1.2.1**

**Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**Response:** 48

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### Other Upload Files

1

[View Document](#)

### 1.2.2

*Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years*

**Response:** 51.68

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
721	801	414	761	665

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the 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 in transacting the Curriculum*

**Response:**

Swami Vivekanand Institute of Engineering & Technology (SVIET) integrates cross cutting issues of the society like Gender Equality, Environment Studies, Human Values, Professional Ethics, Moral and Ethical Values which are inseparable part of the curriculum. The curriculum on the above courses help students to make a significant contribution to their awareness, development and the well-being of humanity and responsibilities towards society and sustainability.

**Professional Ethics:** A professional ethics course is designed to educate individuals on the ethical principles and standards that guide behavior within a specific profession. It explores moral dilemmas, values, and responsibilities relevant to the profession, fostering a deeper understanding of ethical decision-making. The course typically covers topics such as integrity, confidentiality, accountability, and respect for diverse perspectives, equipping participants with the knowledge and skills necessary to navigate ethical challenges in their professional careers.

**Human Values:** A human values course delves into the exploration and understanding of fundamental principles that guide ethical and moral behavior in individuals. It focuses on cultivating virtues such as compassion, integrity, empathy, and social responsibility. Participants engage in discussions and reflections to develop a heightened awareness of their values, fostering personal growth and contributing to a more ethically conscious society. The course aims to empower individuals to make ethical decisions aligned with their core values in various aspects of life.

**Gender Equality:** A gender equality course addresses the social, economic, and political dimensions of gender disparities. It examines historical and contemporary issues related to gender discrimination, stereotypes, and biases. Participants explore strategies for promoting inclusivity, challenging gender norms, and advancing equal opportunities. The course aims to empower individuals with the knowledge and skills to contribute to creating a more equitable and just society for all genders.

**Environmental Studies and Sustainability:** Environmental studies course provides an interdisciplinary approach to understanding the complex relationship between humans and the environment. It covers topics such as ecological systems, biodiversity, pollution, and sustainability. Participants gain insights into environmental challenges and solutions, exploring the impact of human activities on ecosystems and the importance of conservation. The course aims to foster environmental awareness, responsible citizenship, and informed decision-making for a more sustainable future.

The IKG Punjab Technical University has formulated various courses for creating awareness amongst the students during the Bachelor's and Master's Degree of Engineering and Management. The details of some courses on cross cutting issues taught to the students are given below and complete details are given on attached supporting documents.

Sr. No	Cross Cutting Issue	Course Code	Name of the Program	Semester
1	Human Values & Professional Ethics	HSMC101-18	Development of B.Tech-Computer Science & Engineering Societies	Third Semester
2	Human Values &	HSMC 122-18	Universal B.Tech-	Fourth Semester

	Professional Ethics		Human Values 2	Computer Science & Engineering	
3	Human Values & Professional Ethics	BTMC 101-18	Constitution of India/Essence of Indian Traditional Knowledge	B.Tech-Computer Science & Engineering	Fifth Semester
4	Environment and Sustainability	EVS101- 18	Environmental Sciences	B.Tech-Computer Science & Engineering	Fourth Semester

The Institutes Co-curricular and Extracurricular Activities also promote crosscutting issues related to human values, professional ethics, gender, environment and sustainability into the curriculum. The affiliated university design the syllabus and college follow the same.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 1.3.2

**Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)**

**Response:** 54.81

#### 1.3.2.1 Number of students undertaking project work/field work / internships

Response: 598

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

## 1.4 Feedback System

### 1.4.1

*Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website*

**Response:** A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1

##### Enrolment percentage

**Response:** 81.84

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2022-23	2021-22	2020-21	2019-20	2018-19
460	515	472	526	546

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

2022-23	2021-22	2020-21	2019-20	2018-19
570	576	606	666	660

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list as published by the HEI and endorsed by the competent authority	<a href="#">View Document</a>
Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 2.1.2

*Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years*

**Response:** 87.5

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2022-23	2021-22	2020-21	2019-20	2018-19
285	376	343	375	385

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

2022-23	2021-22	2020-21	2019-20	2018-19
368	412	378	421	437

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

### 2.2.1

**Student – Full time Teacher Ratio**  
(Data for the latest completed academic year)

**Response:** 11.13

## 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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process**

**Response:**

Student-centric learning methods are introduced as a model in Swami Vivekanand Institute of Engineering & Technology (SVIET) where teaching and learning activities to meet curricular necessity. SVIET has provided the facilities to comprise students in co-creation of various learning modules, delivering supplementary lectures/ courses through noble learning and build confidence levels of the students. As an institute with a student-centric approach, SVIET gives many opportunities to the students beyond the university curriculum to enhance their learning experiences; a few of them are as below:

**Experiential Learning**

- Internships
- Expert Talks
- Alumni Talks
- Industrial Visits
- Field Visits
- Mock interviews

Students get opportunities for experimental learning through Industrial visits/field visits/ visits to industrial fairs are organised to appreciate new developments in their domains. Students are also go for internships for a period ranging between six-week to six months are provided during winter/summer vacation and carry-out minor projects in industries. Embedded courses in which practical components are taught simultaneously with theory classes to understand real concepts. Students performed simulation based experiments in MATLAB, Corel Draw lab etc.

**Participative Learning**

- Seminar/Conferences/Workshops on emerging technologies
- Peer-to-Peer learning
- Students' clubs
- Departmental News Bulletins
- Group discussions and debates
- Role plays, quizzes and presentations
- Case study analysis

Students joining with faculty members for the execution of seminar, conferences, hackathons and workshops, thereby providing opportunity to understand higher level concepts in their domains through case study analysis, students also get hands-on experience in handling lab equipments, and machines. Short term courses, lectures, and demonstration sessions are organised by senior students to freshmen and second year students to gain the field knowledge. Workshops with computer-based learning–CAD, Rapid Proto typing, CNC machines, CAM and Simulation-and-animation oriented learning wherever applicable to get experimental based learning.

**Problem Solving Methodologies:**

- Major and Minor Projects
- Survey Camps
- Prototype and model-making competitions



- Tech Fests and Hackathons/Innothons
- Participation in conferences/seminars

SVIET gives special emphasis on the minor and major projects offered to the students and give efforts to include the practice of solving the real life Engineering and Management problems among the students. The Departments and Placement Cell give more emphasis on internship opportunities to the students for better exposure to the industry.

### Additional student-centric provisions

To cover the cutting edge technologies in engineering, the state of art infrastructure such as IoT Lab, D-Link Lab, Automobile Lab, Oracle Lab, etc. are available at the institute act as an emerging field to update the knowledge of the student as per the industry need. Facilities are available to study digital content and undertake the relevant topics on MOOCs under SWAYAM, Goggle, Linkedin, Udemy etc. Various MOUs like student development, industrial training, workshops, and seminars are signed to enhance the student's learning experiences. Students are also encouraged to work live projects with industries. Free internet access in the library and wifi facilities across the campus promotes the habit of self learning and discussions.

### ICT Enabled Tools:

Teachers are trained and provided to ICT enabled tools including online resources SWAYAM-MOOC, NPTEL, Coursera, Udemy, LinkedIN, Google etc. for effective teaching and learning process. Classe rooms and laborotaries are equipped with projectors. Teachers deliver lectures through powerpoint presentations and online resources through institutional ERP.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1

#### Percentage of full-time teachers against sanctioned posts during the last five years

**Response:** 92

#### 2.4.1.1 Number of sanctioned posts year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
103	107	111	114	115

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	<a href="#">View Document</a>

**2.4.2**

*Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)*

**Response:** 8.5

**2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
12	9	8	7	7

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

**2.5.1**

**Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient**

**Response:**

In Swami Vivekanand Institute of Engineering & Technology (SVIET) , the mechanism of internal assessment is transparent. The detailed mechanism adopted in SVIET are as follows:

- The SVIET adopts the guidelines prescribed by the IKGPTU as regards the internal assessment which is available on the university and SVIET websites.

- All students are made aware of these policies in the orientation program. The faculty is also advised to explain the same in the first lecture at the beginning of the session.
- The SVIET has a very clear policy regarding the evaluation of the internal assessment and to handle the queries of students within a week from the conduct of the assessment.

The IKGPTU norms for the internal assessment are given which is followed by the college

Examination Type	Assessment Tool	Weightage	Frequency
Internal Examinations (40 Marks)	Theory Mid Semester Test (MST)	24 Marks	Two per semester
	Assignments	10 Marks	3 Assignments
	Attendance	6 Marks	Monthly monitored
Practical Examinations (30 Marks)	Performance of the Experiment during lab	8 Marks	With each practical
	Lab record maintenance	8 Marks	With each practical
	Viva voce exam	8 Marks	With each practical
	Attendance	6 Marks	Monthly monitored
Industrial /Internship (150 Marks)	Training Mid term viva	40 Marks	Once
	Evaluation by Industry	50 Marks	Monthly
	which includes overall feedback and performance of the student		
	Internal Viva which includes project report, powerpoint presentation, daily diary, and attendance	60 Marks	Once
Software Training (150 Marks)	Mid term viva	40 Marks	Once
	Evaluation by Industry	50 Marks	Monthly
	which includes overall		

	feedback and performance of the student		
	Internal Viva which includes project report, powerpoint presentation, daily diary, and attendance	60 Marks	Once
Projects (100 Marks)	Project Synopsis submission	15 Marks	Once
	Supervisor weekly review	15 Marks	Every Week
	Mid-Term Project Review	30 Marks	Once
	Final Presentation & Demonstration of Project	40 Marks	Once

### Regulations for Awarding Sessional /Internal Marks

#### A. Attendance

- Attendance are be marked in bound registers
- If a student is falling short of attendance of the required 75% at the end of a calendar month then the signatures of the student are taken in remarks column. Also informed the parents.
- The list of students who are likely to fall short of required 75% attendance are informed before the submission of the admission forms to the university.

#### B. Home Assignments

- There should be minimum three home assignments.
- Each assignment must specify the assignment number, topics covered, date of giving the assignment and date of submission.
- The assignment must be evaluated in a reasonable time and the marks given must be recorded in the attendance register at the specified place. The date of returning the assignment must be recorded in the register. Giving letter grades should be avoided and only marks should be given, out of 10 for each assignment.

**C. Mid Semester Tests (MST)**

1. There should be a minimum of two MST's.
2. Both MST's should be counted for giving the internal marks.
3. The date of return of marked answer books to the students are recorded in the attendance register along with the marks obtained by each student.

**D. Laboratory Work**

1. There has to be a laboratory manual for every laboratory including the computer lab and workshops.
2. The experiment performed by the student will be evaluated on the same date and not later than the next turn.

**E. Distribution of Marks**

Mid Semester Test's =60%

Home Assignments =25%

Attendance =15%

**Upto 75% attendance = Nil**

**76% to 80% =02**

**81% to 85% =03**

**86% to 90% =04**

**91% to 95 =05**

**Above 95% =06**

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6 Student Performance and Learning Outcomes****2.6.1**

***Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website***

**Response:**

Swami Vivekanand Institute of Engineering & Technology (SVIET) gives special emphasis on disseminating the Outcome Based Education (OBE) Curriculum designed by IKGPTU, the affiliating University, based on Program outcomes (POs), Program-Specific Outcomes (PSOs), and Course Outcomes (COs).

COs of each course are given as a pre-reading material in the curriculum and placed before the syllabus to enable the students and others to understand the objective of curriculum thoroughly. Assessment/attainment of POs/ PSOs/COs are carried out by calculating the attainment of different course outcomes, mapping them with relevant POs/ PSOs and then calculating the outcomes of POs and PSOs, compared with target values.

Implementation of POs, PSOs and COs are as follows in steps

**Published on the SVIET Website:** Program outcomes, Program-specific outcomes, and course outcomes are communicated to all stakeholders by publishing on the Institute website, separately for each program Department.

**Faculty Orientation Program:** SVIET gives more emphasis on the training of the faculty members at regular intervals regarding the outcome-based education (OBE) model and its implementation issued by affiliating University. The focus of these workshops/induction programs is to make the faculty familiar with the procedure of defining the, POs, PSOs and COs, and the calculation of attainment levels. POs, PSOs and COs are circulated to create awareness among the students and teachers to understand so that they respond to expectations.

Attainments of course outcomes (CO) are mapped and calculated through institutional ERP in graphical representations.

**Student Orientation Program:** POs, PSOs and COs are discussed and explained to the students during the orientation program of 1st year students.

**Interaction in Class:** The COs and their relevance with POs and PSOs are also discussed and explained to the students by the subject teachers during the classroom interactions.

**Displayed in the Department:** The POs, PSOs and COs are also displayed on notice board in every Department.

**Library:** Students/teachers can easily access COs, POs, and PSOs in the library of the institute.

**Lesson Plans:** The COs of various subjects have been shared with the students in the lesson plans of the respective subjects.

**Lab Courses:** Practical course outcomes are also displayed on the notice board of respective labs.

**Course Files :** COs, POs are also provided in course files prepared by concerned teachers.

**Departmental Records:** Each department maintain their course files containing the list of POs, PSOs and COs for all courses offered under the program. The file also contains a mapping of course outcomes with program outcomes.

**Examination Question Papers:** The question papers of the MST examinations are designed by mapping with COs of the respective subject for easy reference of all concerned and the student performance is recorded against each course outcome to estimate the CO attainment level.

**Assignment Questions:** Each assignment of the respective subjects of each program are also mapped with COs and are prepared as per Bloom's Taxonomy. Through the above practices, the students and teachers become well aware of the stated program and course outcomes.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6.2

*Attainment of POs and COs are evaluated.*

**Explain with evidence in a maximum of 500 words**

**Response:**

SVIET always follows outcome-based education and evaluates the attainment of program outcomes (POs), course outcomes (COs) and program-specific outcomes (PSOs) with the following significant points.

- The POs & PSOs are the attributes that must be absorb in the graduates by the time of completion of their degree program.
- For every course, there are 3 to 5 outcomes to be achieved at the end of course completion.
- All course outcomes shall have linkage to program outcomes and program-specific outcomes. This process of setting association levels is typically known as CO-PO mapping. The correlation levels between a CO and PO are set to Strong (S), Medium (M), Weak (W) and Not applicable (-).
- POs/PSOs attainment is a continuous process.

The assessment procedure used to evaluate POs and PSOs is generally classified as direct and indirect

attainment.

### **Direct Attainment Evaluation Process:**

**Theory Subjects:** The evaluation process as prescribed by IKGPTU includes internal evaluation (via Mid Semester Test, quizzes/assignments & attendance) by the institute faculty and through the university examination process. The course outcomes attainment is calculated on the basis of university final results (including both the external & internal examination) as the university adopts grading systems that don't segregate internal and external marks scored by students.

**Practical Subjects:** The performance of students is also evaluated for laboratory work, viva voce, and practical file through rubrics designed to gauge the student performance. The course outcomes attainment is also calculated on the basis of university final results (including both the external & internal examination) as the university adopts grading systems that don't segregate internal and external marks scored by students.

**Projects Work:** Project work is the most versatile and open-ended tool for the development of graduate qualities. Every project topic differs in terms of analysis procedures; extent of simulation, design; social, environmental, and ethical contexts; levels of team engagements, etc. The internal evaluation is based on synopsis presentation, progress review presentation, continuous faculty supervisor review, and final project presentation based on rubrics for continuous assessment.

**Internship:** The internship offers hands-on training to the graduate students. Theory subjects provide skills but internships help students to develop interpersonal skills, team-working skills, and professional experience. Students also improve their communication skills, self confidence, and self-efficiency. Internal evaluation of Internships is monitored through faculty visits at the training Company, continuous feedback from the company supervisor, seminars, viva-voce, and reports submitted by the student after the completion of the internship.

### **Indirect Attainment Evaluation Process**

**Student exit survey:** Based on graduating students' feedback every year of their own attainment as against POs, COs and PSOs.

**Alumni survey:** Feedback is taken from the alumni students after completing one year of their graduation.

**Student subject survey:** Course attainment level is also evaluated indirectly by students' feedback on the respective courses once a semester by the department committee.

The attainment evaluation is updated at the end of every semester; the unattained POs/PSOs are subjected to remedial measures so that the overall attainment by the end of the program is maintained at an acceptable level.

**Attainments of course outcomes are mapped and calculated through institutional ERP in graphical representations.**



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.3****Pass percentage of Students during last five years (excluding backlog students)****Response:** 91.59**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
314	361	408	428	373

**2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
352	390	441	479	395

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey****2.7.1**

**Online student satisfaction survey regarding teaching learning process****Response:**

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

#### 3.1.1

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

**Response:** 20.33

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

2022-23	2021-22	2020-21	2019-20	2018-19
14.63	1.3	1.7	1.2	1.5

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

### 3.2 Innovation Ecosystem

#### 3.2.1

**Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

Swami Vivekanand Institute of Engineering & Technology (SVIET) has created a robust innovation ecosystem by developing the culture of Innovation & entrepreneurship by organizing workshops, seminars, conferences interactions with entrepreneurs and investors. To fulfil the vision of SVIET has given emphasis on knowledge creation, assimilation, and dissemination of the culture of innovative practices through the institute innovation council (IIC), research promotion initiatives, entrepreneurship development cell, centres of excellence, etc. Faculty members are encouraged and provided seed money to engage in research and innovation activities to bring out research article publications, awards, appreciations and patents.

**Corporate Interaction Cell (CIC):**

SVIET has Corporate Interaction Cell (CIC) to enhance the entrepreneurship skills and development of

industry ready skills. The cell has been actively organizing various events in the domain of Intellectual Property Rights (IPR), Entrepreneurship, and Start-ups for supporting to the students and faculty members. The CIC of the College also conducts various awareness programmes such as seminars, workshops, industrial visits, tech fest and interaction with young entrepreneurs etc.

**IPR Cell:** Institution has created an ecosystem for innovations, including awareness programs about IPR, through its established of IPR cell. Teachers and students are encouraged for innovations and idea creations through its research policy. It also bear the cost of filling patents. Institute has published 16 patents so far.

**Incubation Centre and Start Ups:** SVIET has initiatives for the creation and transfer of knowledge/technology and the outcomes of the some start ups are given below,

**1) Godigitify** (A software development and DBM based start up offering various solutions to modern day industries in terms of softwares, ecommerce, digital marketing, graphic designing and social media marketing)

**2) Techlearns Academy** (An educational platform offering free technical education in rural areas educational institution and offering affordable courses)

**3) Washeasy** (A laundry start up for college students helping in mainting the sanitation and comfort to students )

**4) Click Master** (A peer to peer platform providing cameramen to organizations and institutions in the times of need)

### **Institute Innovation Council (IIC):**

SVIET has established the Institute Innovation Council (IIC) as per the norms and directives of MHRD to scientifically foster the culture of innovation among the faculty members and students. The Institute Innovation Council focuses on creating. All the students are guided to participate in the Tech Fests hosted every year in the institution, in order to improve their coding skills and face challenges to build innovation models.

**Google Developer Student Club (GDSC-SVIET):** A passionate group of people who work towards bringing a change in the ecosystem of development around the campus and create a healthy environment for the budding developers to exploring solutions to real life problems and promote the developer culture.

### **Policies:**

1. SVIET has a well defined Start-up & Incubation Policy to inculcate the quality of entrepreneurship among students. SVIET promotes Entrepreneurship by including course on Entrepreneurship Development in the curriculum.
2. The institute regularly organizes National and International level workshops, seminars, FDPs and conferences to keep the students and faculty members abreast with the latest developments in social, economic, technical, and professional spheres of life. SVIET also has research policy, SVIET faculty members are rewarded with cash prizes for publishing papers in the journal indexed in them UGC Care, Scopus. Web of Science, SCI or presentation of research outputs,

funded project, patent copy right etc.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.2.2

***Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years***

**Response:** 50

**3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
13	12	8	10	7

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

## 3.3 Research Publications and Awards

### 3.3.1

**Number of research papers published per teacher in the Journals notified on UGC care list during the last five years**

**Response:** 6.94

**3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
429	205	127	94	54

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	<a href="#">View Document</a>
Link to re-directing to journal source-cite website in case of digital journals	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.3.2**

**Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years**

**Response:** 13.85

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

2022-23	2021-22	2020-21	2019-20	2018-19
1766	14	12	11	11

File Description	Document
List of chapter/book along with the links redirecting to the source website	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**3.4 Extension Activities****3.4.1**

**Outcomes of Extension activities in the neighborhood community in terms of impact and**

**sensitizing the students to social issues for their holistic development during the last five years.**

**Response:**

Swami Vivekanand Institute of Engineering and Technology (SVIET) made significant contribution to the society and environment by making a participation to promote Neighborhood-Community in association with various organisations and NGOs . SVIET has given importance on student engagement and holistic development. National Service Scheme (NSS) and National Cadet Corps (NCC) team of students engaged periodically in the community development programmes. Awareness programs among the villagers conducted by the College about social issues like health, cleanliness and hygiene. Our NCC/NSS and other staff and students volunteers actively participate in the rallies, expert talks on following extension activities,

- 1) AIDS and HIV awareness,
- 2) Female Foeticide,
- 3) Swach Bharat Abhiyan,
- 4) Beti Bachao Beti Padhao,
- 5) Voter Awareness Programs
- 6) Precaution and Mask distribution during COVID 19.
- 7) Traffic awareness drives
- 8) Stubble Burning
- 9) Drug de-addiction drives. etc.

Extension and outreach activities among students develop critical thinking skills and time management. Working outside with diversified social groups of peoples allows students to gain self-confidence and autonomy.

The following are few activities are conducted by the students for the community under the various clubs:

**National Cadet Corps (NCC):**

SVIET provide the facility to the students to be part of the National Cadet Corps (NCC) with 5 PUNJAB BATTALION. The NCC aims is to develop character, comradeship, discipline, a secular outlook, and spirit in the students. The some of the extension activities other than mentioned above by the NCC unit conducted are as follows:

- NCC Camp
- Tree Plantation Drive
- Agriculture awareness

**National Service Scheme (NSS):**

NSS provides an opportunity for the student to take part in various government-led community service activities & programmes. The NSS unit of the university has carried out various activities like Plantation Drive, Beti Bachao, Rural Aid, etc., Awareness programs like Mask Awareness, Cleaning Awareness, Vaccination Awareness, NSS volunteers have organized an Yoga Programme to inculcate the importance of Yoga to maintain healthy life among the school students and have them involved in the “Drug de-addiction” Awareness Programme”. Camps and Awareness programs like Pulse Polio Immunization camp, Blood Donation camp, Clean India project, Dengue Awareness cycle rally, AIDS Awareness program, Cancer Awareness program were organized. Independence Day, Teachers Day were celebrated inside the campus.

**Blood Donation Activities:**

SVIET organized the blood donation camps has been a very regular student activity all through the years since the inception of the Institute. The activity has been supported by different hospitals, occasionally this has been also coordinated by the students of different clubs with NGOs.

**Health and Hygiene during COVID 19:**

NSS brings together the people through services like donating personal protective equipments like masks, sanitizers and hand gloves to social workers during COVID 19 pandemic. Programs for providing food, grocery items to old age homes and needy were also organized during pandemic.

All the above mentioned community activities and services have positive impact on the students and they develop community relationships, leadership skills, and self-confidence among students. It also help in cultivating the hidden personality of students and creating awareness among students.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**3.4.2****Awards and recognitions received for extension activities from government / government recognised bodies****Response:**

Swami Vivekanand Institute of Engineering & Technology (SVIET) has not only scored great awards in academics and research alone but also given emphasis to create the holistic environment through extension activities, the institute is anticipating various social awareness programs and extension activities. The institute extension activities are carried out in the neighbourhood community for sensitising students to social issues, for their holistic development.



Many extension activities carried by students by the volunteers and cadets of NSS and NCC Units respectively and other groups and clubs of the institution. periodically. These activities not only teach moral values to the learners, but also give an insight of the social work and ethics of the society, obligations towards the society and the team work. Hence, the institution got number of State awards and other recognitions since its inception.

The Schools and villages where the events had been conducted, recognise the teams of volunteers from NSS and NCC with the letters of recognition from the village head and/or school principal and state and district administrations. This enhance the confidence and self motivation of the students of SVIET and they are learning not merely from the books but the institution has adopted the method of Participative and experiential learning.

Following are few extension activities mentioned below

<b>Name of the activity</b>	<b>Organising unit/ agency/ collaborating agency</b>	<b>Name of the scheme</b>	<b>Year of the activity</b>
Plantation Drive	SVIET NSS UNIT & Vill. Jansua	Environment Day	2018-19
Blood Donation Camp	SVIET & Shri Shiv Kavad Mahasang Charitable Trust Panchkula	Donate Blood, Save Life	2018-19
Dengue Awareness Drive	SVIET NSS UNIT & Vill. Rampur Khurd, Mohali	Health Awareness	2019-20
Drug Free India Campaign	SVIET NSS UNIT & Vill. Boota Singh Wala	Drug Free India	2019-20
No Tobacco Drive	SVIET NSS UNIT & Vill. Boota Singh Wala	No Tobacco	2019-20
Organ Donation Awareness Seminar	SVIET NSS UNIT & Neelam Hospital	Donate Organs	2019-20
Educate Girl Child Drive	SVIET NSS UNIT & Vill. Ramgarh	Beti bachhao, Beti Padhao	2019-20
Yoga & meditation Camp	SVIET NSS UNIT	Fit India Movement	2019-20
Covid Mass Awareness Drive	SVIET NSS UNIT & Aryans Group of College	Health Awareness	2020-21
Mask Distribution	SVIET NSS UNIT & Vill. Kalo Majra	Rural Aid	2020-21
Sanitizer Distribution	SVIET NSS UNIT	Rural Aid	2020-21
Drive on Health & Hygiene	SVIET NSS UNIT	Rural Aid	2020-21
Movie on AIDSS Awareness	SVIET NSS UNIT & Community People	Awareness Drive	2021-22
Rural Aid: Free Computer Workshops	SVIET NSS UNIT & Vill. Ramgarh, Vill. Boota Singh Wala	Rural Aid	2021-22
Drug Free India Campaign	SVIET NSS UNIT & Vill. Gobindpura	Drug Free India	2021-22

Seminar on Gender Equality	SVIET NSS UNIT	Gender Equality	2021-22
Save Girl Child NCC Rally	SVIET NSS & NCC UNIT	Beti bachhao, Beti Padhao	2021-22
Plantation Drive	SVIET NSS UNIT & Vill. Boota Singh Wala	Save Environment	2021-22
One day Camp on Skills Development	SVIET NSS UNIT & Kendriya Vidyalaya, Patiala Cantt	Skills Development	2021-22
Drug Free India Campaign	SVIET NSS UNIT & Vill. Alampur, Rajpura	Drug Free India	2022-23
Krishi Gyan Drive	SVIET NSS UNIT & Vill. Gajju Khera	Natural Agriculture	2022-23
2 Days' Digital Pulse Camp	SVIET NSS UNIT & Govt. Sen Sec School, Bahadurgarh	Rural Aid	2022-23
Say no to Plastic Rally	SVIET NSS UNIT & Vill. Jansla	No Plastic	2022-23

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.3

*Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.*

**Response:** 47

**3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
15	13	5	10	4

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.5 Collaboration

#### 3.5.1

*Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.*

**Response:** 32

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1

The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

**Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)**

#### Response:

Swami Vivekanand Institute of Engineering & Technology (SVIET) campus spread over of 20 acres in a green, clean, neat and spacious environment has modern facilities and learning resources as per the requirements of different academic programs and norms of statutory/regulatory bodies.

#### Classrooms:

SVIET has 42 well-furnished and well ventilated ICT enabled smart class rooms with other teaching aids like white/blackboards.

#### Laboratories:

The laboratories established at SVIET in various departments are:

**Mechanical Engineering** equipped with Lathe machines, Universal Testing machines, Fluid machinery apparatus, etc. enabling the students to solve relevant technological problems. The Department has Central Workshop, Material Engineering, Thermodynamics, etc. laboratories.

**Computer Sciences & Engineering** is equipped with state-of-the-art computing facilities connected through a local area network, backed by online UPS and a generator for an uninterrupted power supply. The department has laboratories viz; Programming, Database Management, Networking, Web Design & Development, IoT, Artificial Intelligence, and Machine Learning which cater to the needs of the students.

**Civil Engineering labs** imparts the knowledge of design and structure for sustainable development in the field of construction like buildings, highways, railways, bridges, etc along with the filling up in designing skills to the students and enhancing their knowledge in layout procedure, topography, and structural designing.

**Electronics and Communication Engineering** Department facilitates instruments and software in different laboratories viz: Digital Electronics, Signal and System, Microprocessor and Microcontroller, Antenna and Wave Propagation, Digital Image Processing, and Embedded System Design, Communication, Analogue Circuit, Digital Communication, Digital Signal Processing, Wireless Mobile

Communication, and Micro Wave.

### **Innovation Centre:**

To increase the technical ideas generation among the students, SVIET have developed innovation centre. Through the innovation centre students have created many models and design.

### **Seminar Hall:**

The college has completely equipped Auditorium and Air Conditioned Seminar Halls. Facilities are also available for multimedia and video conferencing facilities.

### **Computer & IT Facilities:**

There are total 335 computers allocated to the different labs setup in different departments. Internet facility with 2 GB bandwidth is available on the campus. SVIET has Wi-Fi facilities with Internet Bandwidth is 53 Mbps. Wi-Fi network connectivity is available in all the academic and administrative areas, libraries, faculty rooms, and hostels. College has ERP and Learning Management System (LMS).

**Dedicated work stations** are provided to students to work on live industrial projects.

### **Library:**

The institute has library with sufficient books, journals, and digital content (video lectures, e-books, e-journals, PDF notes, NPTEL & Swayam).

### **Common room:**

The College maintains separate rooms for rest and recreation among girl students. The room is provided with necessary facilities like a first aid box, rest room, mirror, chair, table, etc.

### **Communication Lab:**

The Lab is equipped with an audio player used to bring perfection to the students of the English Language.

**Indoor and Outdoor Sports Facilities** available in the college.

College has **Gymnasium and Yoga centre** for physical fitness of students.

Facilities for **Groud Tasks for Defence Preparation** are available in the college premises.

### **Miscellaneous Facilities**

Amenities and facilities also include well maintained lawns, ramp, garden, first aid facilities, tactile paving for blind persons, electricity backup, fire extinguishers, The campus also has CCTV surveillance at allstrategic locations, generator, elevator, RO water purifier plant, ATM and Solar Panels. Spacious and well-maintained canteen provides delicious and hygiene food.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**4.1.2**

*Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years*

**Response:** 28.76

**4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)**

2022-23	2021-22	2020-21	2019-20	2018-19
52.12	154.92	239.33	232.09	278.76

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>

**4.2 Library as a Learning Resource****4.2.1**

*Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students*

**Response:**

The SVIET Library plays a important role in enhancing the academic and research in the institutions. The Institute library has huge collections of academic books, journals, magazines, research projects, rare books, other knowledgeable books, e-books, e-journals and newspapers. These books are issued to the students to enhance their knowledge and understanding on various subjects. There, student can issue books, conduct their research, find a place to study in reading room, and may be even flip through magazine during their study. The students can extend their search with use of internet, e-books, e-

journals etc through DELNET made available in the digital library. The Institute library gives positive impact on the academic achievement of the student and teachers. Students can perform better during examination and placement as students are explored to the knowledge through various means. Teachers also make use of the library for teaching and learning.

**Swami Vivekanand Institute of Engineering Technology Library is registered as a NDLI club under National Digital Library of India under Ministry of Education, Government of India vide registration number INPBNC5AAZQMCP.**

### **Library Automation:**

SVIET Library is fully automated using Information Management System (IMS) are explained below

Description of IMS: ERP Software

Year of automation of Institution library : 2017–18

All the operations in library e.g. issue and return of books etc. are automated through ERP.

### **Books & E-resources:**

The Institute library has a comprehensive collection of more than 10000 printed books. The Library collection includes more than 800 E-journals and EBSCO Academic Collection more than 1 Lacs E-Books with unlimited access and 25 print journals and 7 magazines and 15 Newspapers.

Remote access is provided to all the SVIET users through ERP. SVIET Library holds the membership with National Digital Library and hosted in the local server. The Central Library web page provides needed information to the end users. SVIET holds institutional membership with DELNET and EBSCO to access the e-books, e-journals, e-novels and e-magazines. Other open e-resources are available in library as NDLI to the academic community.

### **Library Uses:**

The library proves as a backbone of academic and research activities of the Institution. SVIET offers Library services to all the students and Faculty members of Engineering Technology & Management, and all other staff members of the institution campus to enhance their knowledge and increase the potential of teaching and learning activities. Students & faculty members frequently uses the library recourses.

The institute library web page (<https://sviet.org.in/library/>) contains information related to the library resources, eresources, and e-repositories in one place.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 4.3 IT Infrastructure

### 4.3.1

**Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection**

*Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words*

**Response:**

Swami Vivekanand Institute of Engineering & Technology (SVIET) has always been taken the initiative in adopting cutting-edge technologies and providing IT enabled service to students, faculty, staffs and all stakeholders. The Institute has an IT policy which defines a framework for the usage of IT infrastructure and also works as a blue print for transforming its entire task as IT enabled and also outlines a mechanism to maintain and establish IT infrastructure.

SVIET constantly upgrades its IT hardware and software to keep up with the current teaching learning needs and trends. The classrooms are provided with best-in-class technologies like electrical power supply, Battery backup, high speed internet connectivity with support of 1GBPS connectivity, LCD projectors, smart Boards, state of art furniture and newest relevant softwares, etc. The SVIET has adequate number of computers with high end configuration, for academic and administrative purpose.

SVIET has the following IT infrastructure for students and faculty:

1. 335 computer systems (for students use) are in the campus with LAN connection
2. Computer systems are highly configured with i7, i5 & i3 processors with 4GB to 16 GB RAM and 1 TB HDD.
3. Servers
4. Data Centres
5. Storage: 5 TB
6. Projectors: 40
7. Smart Boards: 08
8. Printers: 36
9. Networking Switches: 19
10. LAN (Nodes): 14
11. Wi-Fi Access Points: 16
12. Active and Passive Components for Networking: 60 switches
13. Core Switch: 2
14. Firewall Security System: 1
15. Anti Virus : 85
16. Academic, Examination, Server and Language base Software: 6
17. Dedicated Work stations for students for working live industrial projects.
18. Computers labs: 9

All students and staff are issued with unique Ids and passwords for free internet use.



Institute has ERP for its automation in operations and administration.

Library of the institute is also automated in operations.

All campus and hostel computer systems are provided with user IDs and passwords for accessing the internet. All IDs are secured with the help of a Firewall. Most of the classrooms of the institute are equipped with DLP projectors, CCTV cameras, and Internet connectivity. The use of ICT facilities in the SVIET improves classroom teaching-learning practices, and their effective use makes the classes more skill oriented, dynamic and motivating.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.3.2

**Student – Computer ratio (Data for the latest completed academic year)**

**Response:** 3.26

**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

Response: 335

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.4 Maintenance of Campus Infrastructure

#### 4.4.1

*Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)*

**Response:** 21.92

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

2022-23	2021-22	2020-21	2019-20	2018-19
143.47	113.06	123.8	181.97	167.27

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1

*Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years*

**Response:** 71.59

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
466	901	923	998	1369

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	<a href="#">View Document</a>
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	<a href="#">View Document</a>
Upload policy document of the HEI for award of scholarship and freeships.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 5.1.2

*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. ICT/computing skills

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

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.1.3**

**Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years**

**Response:** 49.24

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

2022-23	2021-22	2020-21	2019-20	2018-19
730	680	504	642	647

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

**5.1.4**

***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

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1

**Percentage of placement of outgoing students and students progressing to higher education during the last five years**

**Response:** 68.49

**5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
299	283	298	319	216

**5.2.1.2 Number of outgoing students year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
362	383	446	480	395

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.2.2**

*Percentage of students qualifying in state/national/ international level examinations during the last five years*

**Response:** 25.35

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

2022-23	2021-22	2020-21	2019-20	2018-19
51	72	23	15	4

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.3 Student Participation and Activities**

**5.3.1**

**Number of awards/medals for outstanding performance in sports/ cultural activities at University / state/ national / international level (award for a team event should be counted as one) during the last five years**

**Response:** 37

**5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
8	4	1	10	14

File Description	Document
Upload supporting document	<a href="#">View Document</a>
list and links to e-copies of award letters and certificates	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.3.2**

**Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)**

**Response:** 34

**5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
48	38	14	34	36

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

## 5.4 Alumni Engagement

### 5.4.1

**There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services**

#### **Response:**

The SVIET Alumni Association has been registered under the Societies Registration Act (XXI of 1860) and as amended by the Punjab Amendment Act 1957 with Registration No. DIC/OL/SOCIETY/7782 in the year 2022-23. The SVIET Alumni Association contributes significantly to the development of the college through monetary and non-monetary means.

The SVIET Alumni Association works with the objective to strengthen the lifelong professional ties between the institute and its alumni. Placement of students through alumni direction has been an integral contribution of the Alumni association. The SVIET alumni are spread across the globe and serves as a channel for transferring their ideas to the SVIET for the benefit of current students.

#### **Alumni contributions to the development of the institution:**

##### **Enriching the Curriculum:**

Alumni feedbacks are taken to enrich the course curriculum as per the changing corporate world scenario. Two members of Alumni Association have been appointed as members of curriculum development committees of all Departments. Their valuable expertise and suggestion helps the SVIET to develop innovative and industry relevant syllabus and course curriculum of all programs.

##### **Placements and Internship Support:**

SVIET alumni are working in renowned national and international organizations and they help students to get placed in the organizations of high repute. The students pursue Alumni's advice and mentorship for shaping their career. Moreover, the alumni help the institute to facilitate the industry visit, internship and expert talks.

##### **Alumni Mentorship:**

The Institute invites the member of alumni association as guest lecturers and regular interactions to share their work experience and current trends of the corporate culture with the students.

##### **Financial Contribution:**



Alumni citizenship and loyalty to the institute helps to advance by leaps and bounds as they provide monetary and non-monetary support and contribute in all aspects of development. Alumni Association also supported the institute by donated trees to keep the environment of the campus clean and positive.

### **Admissions Support:**

Alumni Admissions Committee has been established to guide and make policies for admission. Alumni recommendation and referrals are given priority and freeships in admissions.

### **Entrepreneurship and Consultancy:**

Alumni assist departments by directing entrepreneurs to carry out consultancy work in various engineering sectors. Through the Entrepreneurship Development Cell (EDC), alumni entrepreneurs provide mentorship to aspiring entrepreneurs, promoting campus start-ups, incubating novel ideas of the students.

### **Alumni Meet:**

Every year, the Alumni Association and Institute Management conducts an Alumni Meet, where alumni are welcomed to express their thoughts and suggestions on the scope of their course, as well as to raise knowledge of the professional world. Alumni meets allows alumni to reconnect with one another and share their prior experiences and memories.

### **Alumni Award:**

During the annual alumni meet, distinguished alumni who are at the top of their organizations and have made major contributions to the nation and society are honoured.

### **Administration:**

Alumni are members of IQAC committee and contribute to the development of a quality system that is responsive to current industry trends and standards.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

#### 6.1.1

*The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

#### Response:

#### Vision Statement:

To become one of the most preferred learning places as a leading global technical institute that aims to bring a revolutionary change in education to create luminaries and innovators, and also propagate new knowledge for society and industry.

#### Mission Statement:

- To provide an education that transforms students through rigorous coursework and by providing an understanding of the needs of society and industry.
- To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.
- To provide a scholarly and professional environment that enables our faculty, students, and staff to make lasting contributions to the advancement of learning.
- The institute provides students with a platform for interdisciplinary research which not only gives them a well-rounded perspective but also helps them keeping in view the sociological relevance of science, education, and research.
- To find the route to success at the intersection of theory and practice, discover and implement innovative solutions to real-world problems.
- To build leaders through holistic, transformative, and innovative education.
- To implement Teaching-learning Process successfully during the pandemic like situations..

#### Board of Management:

The SVIET College is managed by a constituted Board of Management, having following Composition

- 1.Mr. Ashwini Kumar Garg - Chairman
- 2.Mr. Ashok Kumar Garg – President
- 3.Er. Vishal Garg, Director Secretarial - Member
- 4.Er. Sahil Garg, Director Project - Member
- 5.Mr. Ankur Gupta, Director Corporate Affairs – Member
- 6.Adv. Shubham Garg, Director Placement – Member
- 7.CA Sachin Jain, Finance Officer – Member
- 8.Mr. Navpreet Singh, Industrialist –Member
- 9.Dr. Sourav Sharma, Dean CSE - Member

10. Dr. Pertik Garg, Principal SVIET - Member Secretary

The term of the members, except the ex-officio member, shall be three years.

**Meeting and its Venue**

The Board of Management shall meet at least twice a year. All such meetings shall be held in college campus. It shall be the responsibility of the Member Secretary to ensure that the meetings are held regularly and keeps records.

**Quorum**

The quorum for the meeting shall be 50% of the total members of the Board of Management .

**Functions**

- To monitor the academic and other activities of the college
- To consider the recommendations of the different Committee
- To consider all the important communications, policy decisions received from the affiliating University, Government and AICTE etc.
- To monitor the students and faculty development programmes
- To pass the annual budget of the college.
- To approve the income and expenditure of the college annually.

The SVIET believes in the decentralization of its operations and delegation of the necessary authorities. Following are few departments have been given for effective functioning of institute and each department has independent heads taking decisions in line with institute policies and regulatory requirements in consultation with Directors.

1. Exam Cell
2. IQAC
3. International Affair Department
4. Dean Student Welfare
5. Women Empowerment Cell
6. Research & Innovation Cell
7. Entrepreneur Development Cell (EDC)
8. Registrar Office
9. Admission Cell
10. Placement Cell

The IQAC regularly give guideline and monitor the same to ensure effective education through the best teaching-learning processes. Therefore, through effective leadership, the governance of the institute targets the attainment of the Vision and Mission. The entire process of the SVIET is based on participative approach wherein the decentralized committees, faculty members, and other stakeholders are involved in the development of plans and its efficient execution.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1

*The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc*

#### Response:

SVIET has constituted various statutory and non-statutory bodies to execute the functions and

responsibilities accordance to its vision and mission. These bodies meet regularly to decide on important issues, to formulate policies, etc. and implement the same for overall progress of the Institute. Strategic Plan of SVIET is to support students with scholarships and Free-ship provided under the Government Schemes (NSP, PMS for SC/ST/OBC) and Institution's various schemes.

The institute follows delegation of authority as per the organogram to ensure coordination and effectiveness.

1. **Board of Management** is the supreme body of the institute and provide general superintendence and to give directions for controlling the functioning of the institute
2. **Director** is the academic and administrative head and monitors overall functioning related to academic, administrative, and financial matters of the institute. The Director ensures the smooth functioning of the institute through Deans/Heads. The Heads of the departments are responsible for onward channelling the institutional priorities in coordination with their staffs.
3. The Director in consultation with IQAC and other senior functionaries appoint coordinators and chairpersons for various statutory and non-statutory committees and make consistent interaction for the efficient functioning of the committees for the benefit of all stakeholders.
4. The Coordinators/chairpersons appraise the related issues and submit the reports on matters of relevance to the Director.
5. The Director also deals with the Registrar's office, which is responsible for all the administrative units as shown in the organizational chart.
6. Student welfare section mentors NSS, NCC clubs, likewise the coordinators of IIC, IIIC, Library,

R&D, e-Cell all report to the Director.

**Policies, appointments, and service rules:**

- SVIET rules, procedures, and policies are available on the institute's website. The institute follow fair and transparent recruitment and selection process for staff and faculty members. Further, the service rule and staff welfare policy ensure equitable treatment of all the employees.
- Various committees are constituted as per the norms and guidelines of regulatory agencies. Each committee have been functioning smoothly per the institute's policies on academic and non-academic matters.
- The rules and procedures related to governing are reviewed from time to time and amended accordingly.
- SVIET has biometric attendance facility and dress code, and also has faculty welfare Scheme, Leave policy, Consultancy and research policies.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.2.2**

***Institution implements e-governance in its operations***

- 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 of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

### 6.3.1

**The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

#### Response:

The technical and non-teaching staff appraisal systems, recruitment policy, and code of conduct have also been formalized for staffs and students. The employees fill up their self-appraisal form and feedback is collected in a structured manner from the immediate Head of the Department. The data collected is analyzed and an annual increment is given on the basis of the performance appraisal.

#### Welfare Schemes

SVIET provides an excellent care of its employees. Various welfare initiatives have been implemented for both teaching and non-teaching staff in order to increase employee morale and motivates them to work efficiently. Furthermore, it encourages employees to take advantage of welfare benefits with simplicity including promotion and increments.

#### Financial Assistance for Technical Publications

Academic excellence awards in the form of cash and certificates of recognition/appreciation, incentives for the publication of research articles and assistance for faculty members for conducting conferences/ seminars/ workshops/ FDPs etc. The institute also support for annual membership of professional societies organizations such as IEEE/ IETE/ IME/ IE.A 25% concession is given to faculty wards enrolled in to SVIET. Union bank of India and Axis Bank Pvt. Ltd. offers credit schemes to college employees such as personal loans, educational loans, housing loans, vehicle loans, and employee provident fund schemes.

#### Leave Benefits:

SVIET offers a variety of leave benefits to all employees, including casual leave, compensation leave special leave, medical leave, and maternity leave. In an academic year, an employee may take up to 12 casual leaves and up to 14 special leaves to attend conferences, seminars, workshops at national and worldwide platforms. On duty leave is provided to teaching and non-teaching staff representing the college either for administrative work or research work.

#### **Transportation/ Hostel/ Health Care Facility:**

All staff members receive complimentary transportation and fee reductions for their daily travel to the college. Employee who serves as Bus in-charge will receive a fee reduction of 100%. The teaching faculty members receive a 50% fee reduction, while non-teaching personnel get a 25% charge

#### **Emergency Care and Ambulance Service:**

The SVIET provides a dispensary and emergency care in collaboration with Gian Sagar Hospital. An ambulance service is available 24x7 in case of an emergency.

#### **General Benefits:**

SVIET has sports, gymnasium, yoga facilities and ATM facilities in the campus. Students who meet the sports quota are eligible for free tuition fees.

**Day Care Centre: Day care centre is provided for the children of staff during working hours**

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### **6.3.2**

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

**Response:** 60.67

**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**

2022-23	2021-22	2020-21	2019-20	2018-19
91	17	91	96	12

File Description	Document
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3.3**

***Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years***

**Response:** 68.05

**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
92	98	103	105	94

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2022-23	2021-22	2020-21	2019-20	2018-19
54	50	33	36	44



File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1

**Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

#### Response:

The SVIET has proper strategies and planning for mobilization and optimal utilization of resources and funds for the sustainable growth of the institute. The details are as follows

#### Mobilization of Funds:

SVIET is a self-financed institution and funds required for running the institution is entirely self-generated majorly through fee collection, donations, consultancy, govt. & non-govt. funds, bank loans for infrastructure development. Allocations and deployment of funds is planned objectively by finance committee. Management allocates the funds based on need under various heads viz. upgradation of library, computers, network & sports facilities, incentives, salary, placement, maintenance, etc.

The source of mobilization of funds explained as below

1. Students' fee Collection
2. Bank loans for infrastructure development
3. Consultancy and research projects
4. Sponsorships for the events
5. Rent of infrastructure (ATM rent, other exams)
6. Donations

#### Utilization of Resources and Funds:

The strategies for utilization of funds to support the implementation of the institute strategic plan and to fulfilment of the Institute vision and mission. The funds are allocated and utilized in meticulously planned manner for the benefit of the students, improvement in infrastructure including well-equipped laboratory & smart classrooms, extension activities, and extracurricular activities and to develop infrastructure for technological innovation. SVIET provides the financial support to faculty & students to enhance their technical skills and attend online certification courses, and also provides fund to organise conferences, guest lectures, expert talks and technical workshops including honorarium for the resource person.

### **Monitoring and Audit:**

Administration and finance committee monitors and audits the budgets, utilization, expenses, accounts etc. They give recommendations for better handling of resources and effective mobilization of available funds. It ensures that the fund utilization is within the limit or allotted margin.

### **Finance Audit (Internal & External Audit):**

The finance team finally audits the documents at the end of every financial year. The audits are being carried out by an Internal and external auditors.

**Internal audit** is also being conducted on a continuous basis by the finance team members.

1. Expenses checked and verified
2. Vouchers, supporting bills and invoices are verified.
3. Approvals and authorization are verified with Instructions
4. Accountings of expenses according to the nature of the expenses are verified.
5. Actual expenditure is compared with the budget allocated to evaluate the variation.
6. Statutory deductions such as TDS are verified
7. All the fees pay-in-slips are vouched with the bank statement.
8. Surprise cash verification is conducted to verify the petty cash transactions.
9. Fees receivable statements are verified with the books of account.
10. Salary statements and payments are verified with the payroll reports.
11. Analytical procedures are followed to assess the overall correctness of the books of accounts.

**External Audit** are regularly conducted on annual basis by the external auditors

1. All the Expenses Vouchers and their supporting documents are verified

2. A bank reconciliation statement of financial year is verified
3. Original fixed assets purchase invoices are verified and physical verification of statements and payments are also verified

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

#### Response:

SVIET established Internal Quality Assurance Cell (IQAC) in the year 2017. The IQAC is a part of the institution's system & work towards realisation of the goals of quality enhancement & sustenance. The prime task of the IQAC is to develop a system for conscious, consistent & catalytic improvement in the overall performance of institutions. It will channelize all measures of the institution towards promoting its holistic academic excellence.

#### STRATEGIES OF IQAC AT SVIET

IQAC shall evolve procedures for:

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks
- The relevance and quality of academic and research programmes
- Equitable access to and affordability of academic programmes for various sections of society
- Optimization and integration of modern methods of teaching and learning
- The credibility of evaluation procedures
- Ensuring the adequacy, maintenance and functioning of the support structure and services
- Research sharing and networking with other institutions in India and abroad

#### FUNCTIONS OF IQAC AT SVIET

Some of the functions of the IQAC are:

- Development and application of quality benchmarks/parameters for various academic and

administrative activities of the institution

- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes
- Dissemination of information on various quality parameters of higher education
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles
- Documentation of the various programmes/activities leading to quality improvement
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices
- Development and maintenance of institutional database through MIS for the purpose of maintaining/enhancing the institutional quality
- Development of Quality Culture in the institution

#### **Quality Assurance Process:**

- The IQAC majorly contributes for policy framing, designing an action plan and monitoring its execution to achieve the desired goals to achieve the vision of the institute.
- An academic and sports calendar are prepared at the starting of every semester as per PTU academic calendar and circulated to all stakeholders to follow up.
- Orientation programmes are organized every year for newly joined faculty members to adapt themselves to the systematic process of the institution.
- Class committee meeting is scheduled and conducted at each department before the starting of the semester. The grievances and the recommendations given in the meeting are addressed by IQAC. Periodic reviews and audits are also conducted by the IQAC.
- Teaching feedback mechanism is scheduled periodically and collected in time just before the starting of the final exams. Based on the feedback from students, faculty members are directed properly to overcome the issues.
- Internal assessment tests are periodically conducted as specified in the academic calendar. MST Questionpapers are audited periodically to maintain the quality of education.

#### **Teaching Learning Process& Evaluation:**

- The outcomes of the remedial classes are as students clearing their reappear papers getting improved.
- For special coaching classes for competitive exams Viz. IELTS, CAT, GATE have conducted beyond regular working hour.
- IQAC evaluate teaching-learning process by Course Files, Student Attendance, Result Analysis, feedback from all stake holders etc.
- Department heads evaluate staffs performance through Self-Appraisal every year and recommend for their growth on the basis of their self-appraisal.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.5.2**

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

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

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

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1

**Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.**

*Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words*

#### **Response:**

The SVIET has carry out gender audit of the institution and initiated several measures for the promotion of gender equity such as awareness programs, campaigns, workshops and Seminars on gender equality, etc. organized throughout the year. Such events help to ensure the students understand and the value of gender dignity as well as equality. In the college campus precautions are made to guarantee students' safety at all times and also focused on gender equity at both the administrative and academic levels.

#### **Measures Initiated for Gender Equity:**

**Women Grievances Cell:** For gender justice, a Women Grievances Cell (WGC) has been established as per UGC guidelines. Institute has also host the UGC SAKSHAM link (<https://saksham.ugc.ac.in/>) on it's website. The WGC addresses various issues like over exploitation, misconception, misbehaviour; & any other issues related to women that are solved by the committee headed by a women chairperson.

**Safety and Security:** The College has a sufficient number of security guards secure around the clock at all important places, including its main gate, canteen, and male & female hostels. There is sufficient illumination and CCTV coverage on entire campus that can record the current scene both during the day and at night. The senior staffs are given the additional charge to monitor the corridors of all the buildings, classrooms and laboratories.

**Counselling:** The College believes in strong mentor and mentee systems. The mentor faculty tries to maintain a conducive environment enabling students to open up and discuss their academic, social as well as personal issues, if any. Students are continually observed and advised in all facets of academic concerns, and if necessary, parents or guardians are contacted.

**Girls Common Room:** The Institute provides well equipped common rooms for female students to unwind in, study, and have casual conversations. Common rooms offered in the academic blocks provide a safe, secure and home like place to the girl students.

**Day care centre for children:** Day care facility for children of our female faculty members is provided on the campus. There are variety of toys and coloring books for the children in the Day Care.

**Gymnasium:** To ensure physical fitness of female students, gymnasium facility has been made available in the hostel premises with special security and safety.

**Yoga centre:** The SVIET has the yoga centre wherein the female students can meditate and practice yoga for enhancing concentration, instilling self-control, improving memory capacity and strengthening endurance.

#### Events & Festivals:

**Women and Mother Day Celebration:** Institutions celebrate women's and mother's day every year.

**Teej Celebration:** SVIET celebrates the festival of Teej during the month of Sawan. Women adorn themselves with beautiful clothes and jewellery to mark the festival which is associated with conjugal bliss.

**Yoga Day Celebration:** The College celebrates International Yoga day on 21st of June every year by conducting a camp or workshop on how Yoga embodies unity of mind and body.

#### Sensitization:

1. **Training and Workshops:** Offer training sessions and workshops for students, faculty, and staff to increase awareness and sensitivity to gender issues, unconscious bias, and respectful communication.
2. **Campaigns and Outreach:** Launch awareness campaigns and outreach efforts to promote gender equity, challenge and foster a culture of respect and inclusion.
3. **Peer Education Programs:** Establish peer education programs where students can engage in dialogue, share experiences, and educate their peers about gender-related issues.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 7.1.2

**The Institution has facilities and initiatives for**

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

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

File Description	Document
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.3**

**Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following**

- 1.Green audit / Environment audit**
- 2.Energy audit**
- 3.Clean and green campus initiatives**
- 4.Beyond the campus environmental promotion activities**

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

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.4**

**Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of**



## **students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

### **Response:**

SVIET Students are from different religions and countries like South Africa, Nepal, Bhutan, and Bangladesh, and from almost all states of the country have celebrated events and festivals in our college which is an integral part of learning and building a strong cultural belief in the campus. These celebrations bring the students much closer to each other's traditions and cultural beliefs and develop respect and understanding for each other's customs and traditions. We as an organization always try to maintain harmony among students in the campus through various events/activities. Some of the SVIET efforts are classified and described below:

**Cultural activities:** SVIET organized the numerous events such as a fresher party, Spontania, Tech Fest, and hostel night. These events provide a dais for new students to show their latentabilities, with the purpose of making each new student feel included. These activities also give a chance to students to showcase their culture and talent in front of their peers which brings the beginners together in harmony and peace.

**Festivals Celebration:** SVIET celebrate religious festivals like as Lohri, Holi, and Deepawali, Christmas Day, Teej, Ramzan in which students from all religions participate.

**Events on Harmony:** Various events organized on peace and harmony such as the art of living, ethics, and spirituality is great institutional measures to create communal harmony among the community. Our college conducted various curricular activities like outstation visits, and outstation workshops are examples of harmony. Students cutting across religion, nationality, and ethnicity collectively organized execute and enjoy such a program.

**Community Services:** Student Welfare club members, NCC and NSS volunteers, play an important role in raising awareness about community services and giving opportunities to solve the physical and social needs of communities, thereby developing stronger relationships.

**National Day Celebration:** SVIET campus's linguistic diversity is shown in the celebration of differentcountries' national days. We celebrate each country's national day on campus to make the celebration inclusive and to transmit our message of harmony, brotherhood, and unity in diversity. We invite students of all nationalities and backgrounds to participate in such commemorative day activities.

**Institutional scholarship schemes:** SVIET also takes account of socioeconomic diversities among the students and offers scholarships to the girls, parents having single girl children, and students of EWS category.

### **Sensitization of students and employees on constitutional obligations:**

Promoting an understanding of constitutional obligations, including values, rights, duties, and responsibilities of citizens, among students and staff is crucial for fostering a culture of civic engagement and responsible citizenship. Some initiative are outlined below,

#### **1. Constitutional Literacy Program:**

- **Workshops and Seminars:** Organize workshops and seminars on constitutional values, fundamental rights, directive principles, and duties enshrined in the constitution.

## 2. Student-led Initiatives:

- **Awareness Campaigns:** Launch awareness campaigns on social media, campus events, and public forums to highlight constitutional rights, duties, and responsibilities and encourage active citizenship.

## 3. Staff Professional Development:

- **Workshops:** Offering workshops for faculty and staff members to deepen their understanding of constitutional obligations and integrate civic education into their teaching, advising, and administrative roles.

## 4. Partnerships and Outreach:

- **Community Engagement:** SVIET extend constitutional literacy initiatives beyond the campus by partnering with local schools, community organizations, and government bodies to deliver outreach programs and workshops to a broader audience.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<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:

Two Best Practices of the Swami Vivekanad Institute of Engineering and Technology (SVIET) are as follows

1. **Provide Free Computer Education to the School Children.**
2. **Community Engagement of Student's for holistic development**

#### Best Practice -1:

**1. Title of the Practice:** Provide Free Computer Education to School Children (*Digital Pulse Program*)

**2. Objectives of the Practice:**

- a) To create an environment of Experiential Learning for SVIET students.
- b) To enhance skills of the students.
- c) To enhance industry exposure.
- d) To elaborate 'Each One, Teach One' concept out of the classroom.

**3. The Context:** SVIET has implemented the formula of '*Each One Teach One*' in the teaching and learning. The students are giving free of cost computer classes to the students of different schools in the country under *Digital Pulse Program*. The targeted students are 10th, 11th and 12th standards. The students are selected for imparting the classes on the basis of the result shown during the first year. With this Digital Pulse program, there were numerous topics covered for which the school going students have to pay the handsome money in the market. This Digital Pulse program is not only benefiting the learners, but also the knowledge givers. It boosts the confidence of the students to speak in front of the different students. At the end of all the sessions, there were tests taken to check the level of learning. After the tests, Certificates were distributed to the achievers as well as the participants.

**4. The Practice:** Understanding the corporate social responsibility, every year, the faculty & students of Swami Vivekanand Institute of Engineering & Technology has launched the 'Digital Pulse' initiative. Under this initiative, the students, who are studying in the B. Tech (third semester), have been put into the assignment during their vacations to visit their native schools and conduct the workshop on the 'Basics of Computers and IT'. The students at SVIET are from the different states of the nation like J&K, Bihar, Jharkhand, Odisha, W-Bengal, Rajasthan, Punjab and Haryana. This initiative have instilled in the students who are imparting the training, the basic traits which the companies are looking for, to cite upon, Confidence, Team work, Critical Thinking, Presentation Skills and Leadership.

**5. Evidences of Success:** There were 55 schools covered, nearly 1500 students from 7 states were benefitted under this program. Even the Principals and the Directors of the schools appreciate the efforts of SVIET for launching such type of program. The students who were benefitted gave a very positive feedback about the soft-skills of the SVIET students. It taught the students of SVIET, the 'out of the classroom teaching' concept in a practical way. This program not only enhanced their knowledge but also brushed up their soft skills which results in 100 percent placement of these students. All in all, Digital Pulse Program is a 'Win-Win' act for both; the learners as well as the instructors.

**6. Problems Encountered and Resources Required:** When we start something new, it is obvious to meet the challenges. The Digital Pulse initiative although going smoothly, and has not encountered any big challenge, but there is requirement of few resources like laptops and projectors which are being provided by the institution.

**7. Notes:** Swami Vivekanand Institute of Engineering & Technology is looking forward to commence the 'Engineering Wave' at the local level initially and later at the national level in which the 3rd year students will go in the schools and impart the knowledge of Basic Engineering to the Secondary school students. This program will definitely create Engineering enthusiasts in the region.

**Best Practice -2:**

**1. Title of the Practice:** Community Engagement of Student's for holistic development.

**2. Objectives of the Practice:** SVIET aim is not just to provide good academics to the students but also to make them responsible citizen by providing them with opportunities to explore their hidden talents and make them confident to face the competitive world.

Some additional objectives of these activities are as follows:

- To allow students to pursue interests outside the academic context.
- To enhance physical, emotional, and mental strength.
- To enhance skills like Time Management, Team Work, and Communication..

**3. The Context:** SVIET have diverse students from Urban, Peri-Urban, and Rural areas across almost all states of the country and abroad, that's too from vernacular backgrounds. This diversity is the strength of the campus and at the same time a challenge to channelize the energy of the students in the right direction.

In this context, student engagement become an important area and the same is one of our Mission statements "Provide students avenues for soft skill development, social, cultural and sporting engagements to ensure a holistic development".

**4. The Practice:** SVIET organizes a National-level Techno Cultural Fest named "Spontania" annually in the month of February-March. Spontania is a unique opportunity for students. It is the fusion of co-curricular and extracurricular activities. This event is coordinated by students only starting from deciding the venue, list of events, student registrations, participants in the plethora of events offered, backstage, to finalizing the star name for star night.

The volunteers of National Service Scheme (NSS) organize various community service activities & programs. A few examples of extension activities of the NSS unit in the neighborhood community are –

- Fire safety awareness camp
- Road safety awareness activities
- Anti-drug awareness camp
- Water harvesting awareness
- Importance of voting
- Woman Empowerment
- Tree plantation
- Village Cleanliness

The National Cadet Corps (NCC) unit of the college aims at developing character, comradeship, discipline, a secular outlook, and spirit. A few examples of extension activities of the NCC unit are:

- NCC Camp
- Republic Day

- Independence Day
- Tree plantation
- Swachh Bharat Abhiyan
- Yoga Day

Every Department also organizes the Departmental Level events as per their student's interests and requirements.

### 5. Evidence of Success

- Selection of NCC cadets in Armed Forces.
- Enhanced number of participants in extracurricular activities
- Enhanced number of participants in college Youth Festivals.
- Appreciation Certificate by NCC to the Cadets.
- Appreciation Certificate by local Administrations and Village Sarpanch for extension activities held by the institute.

### 6. Problems encountered and resources required are as follows:

- To identify the schedule for extracurricular activities without disturbing the academics.
- Many students are reluctant to participate in the events, sometimes the same set of students organize all events.

**7. Notes:** It is the endeavor of the institute to continue this practice so as to enhance the capabilities and skills of the students.

File Description	Document
Any other relevant information	<a href="#">View Document</a>
Best practices as hosted on the Institutional website	<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:

Swami Vivekanand Institute of Engineering & Technology (SVIET) have one distinctive area in **CLASSROOM TO CORPORATE**. It has constantly strives to incorporate innovation and inculcate corporate culture among students in imparting quality education with experiential learning. In this context, SVIET has create **Super 60** and **'The Unique'** batch of Engineering students to implement the

Teaching-Learning Process practically. Both the batches were formed keeping in view the overall personality development of the engineering aspirants.

The motive of this practice is to take the students out the classroom by indulging them in the real time corporate live projects, train them to be a professional, teach them the corporate culture and to built their personalities so that the students would not face the hardships while on the job.

**THE PROCESS:** Students were selected after completion of first year. This is one of a unique concept that a student is giving training to the other student. That means, a student who enters THE UNIQUES batch after first year, initially gets the training from the students of the 3rd year after which the same student will impart the training to the fresh entrants. In UNIQUES batch, students are simultaneously covering up their syllabi and work on the live industrial projects form the clients as well.

These initiatives brought qualitative and quantitative shifts in classroom delivery, knowledge creation in measurable terms, to groom students market-ready. SVIET has the vision set as “To emerge as an institution of technical excellence imparting professional education for sustainable development of society”. Decentralized and participative management has led to open-culture, driven creativity and innovations of stakeholders in the institution.

### ***Super 60:***

Super60 is a special batch of 30 to 60 students, chosen every year from the first year students of CSE Branch, in order to make them ready to face challenges beyond their prescribed curriculum. They are provided with enriched learning modules based on their potential and put through rigorous academic as well as co and extra curricular activities included reasoning, Quantative skills, Communication Skills, Personality developmment and over & above latest softwares and manufacturing techniques as latest trend, so that these students can make the best version of themselves and assure 100% placement in the campus placement drive.

### ***The Unique***

The initiative of creating “The Uniques” batch by SVIET is to make their students industry ready and work on live projects by 3rd semester. Investigate and respond to an authentic & complex challenges and go beyond learning with project based learning while experiencing enriching experiences.

Following are few outcomes of the above batches of students

#### **1. Google Developer Student Clubs (GDSC)**

Google Developer Student Clubs are university based community groups for students interested in Google developer technologies. Students from all undergraduate or graduate programs with an interest in growing as a developer are welcome. By joining a DSC, students grow their knowledge in a peer-to-peer learning environment and build solutions for local businesses and their community.

#### **What does GDSC-SVIET do?**

**GDSC-SVIET** are a passionate group of people who work towards bringing a change in the ecosystem of development around the campus. We want to create a healthy environment for the budding developers

to exploring solutions to real life problems and promote the **developer culture**.

## **Fields of work**

### **Web Development**

In this domain, we concentrate on developing and maintaining websites to solve real time problems. For any website, it's the work that happens behind the scenes to make a website look great, work fast and perform well with a seamless user experience.

### **Machine Learning**

Machine learning is the burning topic of the market. It is an application of artificial intelligence (AI) that provides systems, the ability to automatically learn and improve from experience without being explicitly programmed.

### **App Development**

Mobile app development has been steadily growing, in revenues and jobs created. In this domain and all others, we encourage all to keep practising and be their best selves.

### **Management**

For the growth of all and to bring chances for all the domains to excel and also develop teamwork skills, we provide managerial domain to increase the productivity of all our members by being the face of this society and bring forth new projects.

## **1. INCUBATION CENTER**

### **a) U-ZONE**

An incubation center located within a college provides an environment that fosters entrepreneurship and innovation among students. It serves as a hub where students can access training, resources, and mentorship to transform their innovative ideas into successful ventures. The incubation center is designed to create a conducive learning environment that encourages collaboration and teamwork among students. It features state-of-the-art facilities such as a workspace, high-speed internet, meeting rooms, and equipment for prototyping and testing ideas. These resources provide students with everything they need to develop and refine their projects. The incubation center offers training programs that equip students with the skills they need to succeed in the modern job market. The training programs cover various aspects of business development, including market research, business planning, financial management, and marketing.

## **OUR PROJECTS**

### **TECHLEARNS**

TechLearns is an educational platform which is available to everyone, everywhere. We wish to uplift the educational standards of not only our city or country but globally.

## **GODIGITIFY**

GoDigitify is considered to be one of the best digital marketing agency in the whole nation. Providing a wide variety of services in a unique and state-of-the-art way, we fulfil our client's need in the best way possible.

## **CLICKMASTER**

At ClickMaster, we understand the importance of preserving precious memories. That's why we've curated a team of skilled and experienced photographers ready to cater to your event photography needs.

## **CODECRUSADE**

The uniques batch organized logic building for first year students of B Tech CSE. In this students not only learned about programming language but also interacted with seniors.

## **SUCCESS MANTRA**

Success Mantra is an event where successful entrepreneurs are invited to speak in front of college students and share their experiences, insights, and strategies for success.

## **GOOGLE DEVELOPER GROUP**

GDG I/O Extended in our campus is a testament to our commitment to promoting technology education and fostering innovation.

## **ICTA 2023**

**Aims at Bringing together the Researcher, scientists, engineers and scholars in the area of Engineering and Technology.**

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



## 5. CONCLUSION

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### Additional Information :

"The purpose of the education system is to develop good human beings capable of rational thoughts and actions, possessing compassion and empathy, courage and resilience, scientific temper and creative imagination, with sound ethical morals and values."

-- NEP Statement

Swami Vivekanand Institute of Engineering & Technology institutionalise all the possible principals of NEP 2020 and blend them with the teaching and learning.

### Concluding Remarks :

SVIET is an epitome of the extended learning modules with all the aspects focusing on the overall development of the students. The conventional methods of teaching are now replaced by the cutting edge NEP. As it aims to create good human beings who are capable of rational thought and action and who own compassion and empathy, courage and resilience, scientific temper, and creative imagination with ethical values.

The principles of NEP 2020 followed by SVIET are:

- To recognize, identify, and foster the unique abilities of every pupil by the inclusion of teachers as well as parents of the pupils so that overall holistic development is catered to.
- Approach to become a multidisciplinary and holistic educational system.
- To promote the creative thinking and critical thinking.
- Individuals are enabled to learn about various languages.
- Pupils are to be familiar with life skills such as communication, cooperation, teamwork, and stability.
- To develop a sense of variety and respect for local context across streams and courses.
- An approach to be equity among all the pupils.
- To teach the students to be the inclusion of one and all without discrimination.
- To develop the synergy amongst all the curriculums offered.
- To constantly review the progress of the pupils through various feedback channels.
- To promote constant research temperament amongst the stakeholders.
- Education is believed to be a public service that everyone needs access to.
- To blend the classroom teaching with the corporate world.

A student admitted with the basic knowledge of Mathematics and Sciences, will be brushed up here at SVIET and moulded into a professional Engineer under the extensive trainings, industrial exposure, communication and soft skills development and extended learning programs. The success stories of the students speak about the efforts of the institution. SVIET would be delighted to see the happy and proud faces of the parents and their wards.