

### Criteria 4.1.1:

*The Institution has adequate infrastructure and other facilities for*

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

*Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc*


#### **Answer: 500 words**

SSET has an excellent infrastructure and physical facilities, well-designed according to the AICTE and University guidelines for supporting academic purposes. Resource requirements such as staff, library books, computers, and laboratory equipment were planned and allocated according to AICTE and University norms. The campus ensures students, faculty, and staff a congenial environment for academic purposes. The centrally controlled maintenance department takes care of the resources needed to maintain academic and physical support. Periodical suggestions regarding facilities needed are taken from the faculty and staff. They are reviewed and implemented on a priority basis. The annual budget is allocated for maintaining physical and academic facilities.

**Campus:** The SSET campus spread over **21 acres** with a built-up area of **37972.66 sq. meter**, ensures that adequate infrastructure and other facilities are available for academic purposes, co-curricular and extra-curricular activities.

#### **Classrooms and Seminar Halls:**

Well-furnished and neat classrooms and seminar halls are provided. A total of 62 Classrooms of which 49 are ICT enabled. Total 5 Seminar Halls of which 4 are ICT enabled.

	<p><b><u>CLASSROOMS AND SEMINAR HALLS</u></b></p> <p>Total 62 Classrooms.</p> <p><b>49 ICT enabled classrooms</b></p> <p>Total 5 Seminar halls.</p> <p><b>4 ICT enabled Seminar Halls (3 Air conditioned). Equipped with Interactive Touch Display, LED wall and wall mounted Projector.</b></p> <p>Separate classrooms for tutorial, remedial, minor and honor courses.</p>
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#### **Laboratories:**

- 36 laboratories equipped with an adequate number of machines and computing equipment are arranged for various courses.

- The Institution has 802 Computers of which 603 are utilised for academic purposes. Maintenance is handled by in-house staff. Regular software and hardware upgrades are conducted.
- The Centre for Robotics houses a Fab lab, a Robotics lab, and an IoT lab for innovative projects.
- Mike Computational Lab provided by Danish Hydraulic Institute, Denmark is available for water modelling research.



#### **Computer Laboratories and System Maintenance**

The institution has **802 Computers** in Laboratories, administrative offices and faculty.

33 Printers, 4 Scanners, 2 Photo copier machines are available.

Maintenance is handled by in-house staff under the System Administrator's guidance. Regular software and hardware upgrades are conducted based on curriculum recommendations.

Replacement requests are processed through the HoD –CS and Principal.

#### **Language Lab:**

- SSET has its own indigenously developed language training module for the benefit of students.

#### **Cultural and Sports Activities:**

- SSET provides facilities to promote sports, games (indoor and outdoor), and cultural activities for students and staff.
- The Physical Education Director looks after all the sports and games activities of the institution.

Sl. No.	Facility	Area	Remarks
1	Indoor badminton courts- 4 nos	6.1m x 13.4m	Indoor rubber mats are also used for kabbadi practice
2	Outdoor badminton courts- 4 nos	6.1m x 13.4m	2 near girl's hostel and 2 behind Department of Mechanical Engineering
3	Indoor table tennis court- 1 nos	1.5m x 2.7 m	
4	Basketball court	15.2m x 28.7m	Open to both Men's and Women's team for practice
5	Cricket practice net	22m x 5m	
6	Outdoor volleyball court	18m x 9m	Mud floor. Open to both Men's and Women's team for practice
7	Football ground	60m x 40m	9's ground located within 1Km from the campus.
8	Health club	25 m x 12 m	Moderately equipped to accommodate 30-40 people at a time.

#### **Yoga Centre and Gymnasium:**

- SSET houses a yoga centre and gymnasium, located on the ground floor of the administrative block which operates from 6:00-8:00 am and 4:00 pm to 7:00 pm, with separate timings for boys and girls.
- A dedicated trainer is available at the gymnasium to assist students.

### **Auditorium and Amphitheatre:**

- SSET has an impressive auditorium with a seating capacity of 2500, covering an expansive area of 1550 square meters.
- Additionally, an open-air amphitheatre, spanning an area of 705 square meters, provides a unique venue for various events and performances.

### **Centre of Excellence:**

	<p><b><u>SCMS WATER INSTITUTE (SWI)</u></b></p> <p>The one and only Water Institute with in the Private Engineering Colleges in Kerala.</p> <p>Addressing water related and environment problems for local bodies and Government.</p> <p>Mike Computational lab provided by Danish Hydraulic Institute, Denmark is used for teaching, training, research and consulting.</p>
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	<p><b><u>SCMS INSTITUTE FOR ROAD SAFETY AND TRANSPORTATION (SiRST)</u></b></p> <p>The first Road Safety and Transportation Institute among Private Engineering Colleges in India.</p> <p>Addressing Road Safety and Transportation related problems across Kerala.</p> <p>Official extension centre of IDTR, Associate member of Global Alliance of NGOs for Road Safety, Member of Asia Pacific Road Safety Observatory (APRSO).</p>
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### **Power Utilization:**

The institution is connected through 400kVA, and 315kVA transformers and five generators of 400kVA, 320kVA, 125kVA, 63kVA, and 30kVA respectively. Two UPS of 40kVA and two UPS

of 20kVA, 10kVA respectively have been installed for uninterrupted power supply. 50kW on grid solar power system is also in service.

### **Water Supply:**

The water needs of the campus are supported by 4 bore wells with adequate yields, rainwater harvesting installation, and one open well with a reliable system of pumping and distribution network. The institution has one underground water tank with a capacity of 1 lakh litre and a water purification plant with a capacity of 12000 litres/hr.



### **HOSTELS**

Hostels	Ladies Hostel-1	Ladies Hostel-2	First Year Men's Hostel	Senior Men's Hostel
Capacity	350	66	160	280

- Separate hostel buildings for Boys and Girls
- 2-Sharing and 3-Sharing facility
- 24\*7 Wardens and Security
- 24\*7 Generator Power Back up
- Wi-Fi enabled

**Parking Facility:**

The institution has separate adequate covered and open parking spaces for two-wheelers and four-wheelers. Marked Electric vehicle parking spaces are also available.

**House Keeping and Sanitizing Service:**

The institution has a MoU with M/s Riech Hospitality Services Pvt. Ltd. for housekeeping and Sanitizing Services.

The housekeeping team ensures that the campus as well as hostels are kept neat and clean daily.

Waste is segregated as biodegradable and non-biodegradable is disposed of properly. An incinerator is available for burning the waste on the campus and one at the hostel premises.

Electrical incinerators for sanitary pad disposal and Electronic sanitary vending machines was installed in the women's toilets.

**Fire and Safety:**

Fire extinguishers are strategically placed at various points on the campus

Cochin Fire Tech. India Pvt. Ltd. Conducts regular servicing and maintenance of the extinguishers.

Training sessions are provided by the Kerala Fire and Rescue Services, Govt. of Kerala to educate students and staff on fire safety protocol.

**Security:**

The Institution has a MoU with Pinakin Security Pvt. Ltd. For security coverage round the clock.

There are 12 security guards including one security supervisor and two lady guards for the security coverage of the institution and hostel premises.

CCTV is installed in all major locations of the campus for the security of the students, faculty, and staff.

**SSET – Facilities**

**Library**



**Gymnasium**



**Yoga Centre**



**Cafeteria**



**College Bus**



**Sports Facility**



**Auditorium**

