

## Electrical Engineering @SVIT

- The department is a 27 years old with the well retained, highly qualified and experienced staff.
- Faculties are either PhD or ME/M.Tech from reputed institutes like IITs, NITs, and Universities.
- Use of simulation software like Power world Simulator, ETAP, MATLAB along with Pen & Paper Solution.
- Transmission Line Hardware Simulator- unique in Central Gujarat.
- Students can even learn with in house projects like "RETRO-FITTING EVs" i.e. the E- car, E-bike, E-cycle, developed by the SVIT staff & students.
- We have smart classes with AC. Wi-Fi enabled campus.
- SVIT with 27 years of its existence in imparting knowledge in collaboration with industries like, ERDA, MGVL, GETCO, GSECL, ABB-Hitachi, Siemens, Schneider etc. where students can undergo 15 days and 12 weeks' internship programme.
- Under SSIP, government initiative for students' start-ups- students from SY onwards carry out project work on their innovative ideas with faculties as a mentor.

## Scope



Micro Grid



Panel Designing



Semiconductor



Signal Processing



Smart Metering



Industrial Automation



Solar and Wind Energy Sources



Power System Design



Electrical Machine Design



Electric Vehicles and Charging Station

## Program Details

- BE (Electrical Engineering)
- Program Duration: 4 Years (8 Semesters)
- Program approved by: AICTE, New Delhi
- Program Affiliated to: Gujarat Technological University (GTU)

## Eligibility

- Candidates should have completed their higher secondary education (12<sup>th</sup> Std.) from a recognized board like GSEB, CBSE or equivalent with Physics, Chemistry, and Mathematics as compulsory subjects.
- A minimum aggregate score of **45%** (General Category) / **40%** (Reserved Category) is required in the qualifying examination.
- The candidate must have appeared in Gujarat Common Entrance Test (GUJCET).

## Admission Process

- The admission process for Bachelor of Engineering (B.E.) programs in Gujarat is done through <https://gujacpc.admissions.nic.in/>
- Lateral admissions in 2<sup>nd</sup> year are offered to eligible diploma graduates.

## Scholarships

- National Scholarship Portal (NSP)
- Mukhyamantri Yuva Swavalamban Yojana (MYSY)
- Digital Gujarat Portal Scholarship (For SC, ST, SEBC)
- AICTE Scholarships
- SVIT Student's Fund

+91 95107 82983 / 84

[www.svitvasad.ac.in](http://www.svitvasad.ac.in)

B/h. S.T. Bus Depot, Vasad-388306, Anand, Gujarat

Website



Location



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SARDAR VALLABHBHAI PATEL  
INSTITUTE OF TECHNOLOGY, VASAD

Bachelor of Engineering  
**ELECTRICAL**







## About the Department

Electrical Engineering Department at SVIT, Vasad established in the year 1997 with 60 Intake.

The major strength of this department established 27 years ago is well-equipped laboratories with latest equipment provides best learning environment for students with better understating of industrial aspects and Engineering Applications.

The department deals with interdisciplinary fields and projects that draw on fundamental sciences in pursuit of beneficial engineering solutions. The department aims to develop new, effective, and sustainable alternatives to the various applications in the field of Electrical engineering.

The department is also offering 4 semester **“Minor Course in Electric Vehicles”** without any course fee.



## Recruiters



## Industry Engagement



To bridge the gap between industry and academia, it is a normal practice of the department to arrange industrial visits to Power Generating Units- Nuclear, Solar PV, Thermal, Substations, and Manufacturing Industries, inviting Experts from the industries to share their knowledge and real world experience with the future engineers. We have signed and MoU with different industries and carrying out various activities under MoU.



## Life at SVIT



**Prakarsh**  
A national level technical symposium

**Malhar**  
Cultural event



**Annual Day**

**Sports**



**NSS Activities**

**Blood Donation Camp**



**Robotics Prize**

**University Gold Medalists**

