Sardar Vallabhbhai National Institute of Technology, (SVNIT) Surat

INFORMATION BROCHURE
for admission to
M.Tech (Research) Programme
(July 2025)

Quick Links

Institute website: www.svnit.ac.in

Apply online: https://mis.svnit.ac.in/svmtech

SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY SURAT

www.svnit.ac.in

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A) General information

A.1) About the Institute

The Institute was established as Sardar Vallabhbhai Regional College of Engineering & Technology (SVRCET) Surat in 1961 as one of the Regional Engineering Colleges (RECs) to impart technical education. The Institute had begun with offering Bachelor Degree Programmes in Civil, Electrical and Mechanical Engineering. The Government of India declared the Sardar Vallabhbhai Regional College of Engineering & Technology (SVRCET) Surat to Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat with status of 'Deemed University' with effect from 4th December, 2002. With the enactment of National Institutes of Technology Act-2007, the Institute has been granted the status of 'Institution of National Importance' w.e.f. August 15, 2007.

The Institute now offers eleven (11) B.Tech. Degree Programmes, twenty-one (21) M.Tech. Degree Programmes, three (03) Five Years Integrated M.Sc. Degree Programmes in Chemistry, Mathematics & Physics, One (01) Five Years Integrated B.Tech and M.Tech Degree Programme and Master of Business Administration in Business Analytics. Institute offers Doctoral Degree Programme in Engineering, Science, Management and English. Institute also offers M. Tech (R) in all the engineering disciplines.

The Institute has been recognized by the Government of India as one of the centres for the Quality Improvement Programme (QIP) for M.Tech. and Ph.D.

Institute has also established the Centre for Indian Knowledge Systems and Holistic Education and Centre for the Tribal Technology Development.

Institute Vision:
To be one of the leading Technical Institutes disseminating globally acceptable education, effective industrial training and relevant research output.

Institute Mission:
To be a globally accepted Centre of Excellence in technical education catalyzing absorption, innovation, diffusion and transfer of high technologies resulting in enhanced quality for all the stakeholders.

Institute Highlights

Institute of National Importance, Govt. of India

250+ faculties with excellence in Academics & Research

200+ state of the art research laboratories

8000+ SCI/Scopus publications with 80,000+ citations

300+ Sponsored research projects

2500+ Consultancy projects

Seven faculties featured in the list of "Single Year 2022 citation impact"

218 research equipment shared on I-STEM portal

40+ National/ International MoU with Industries & Academia

National/ International collaborations for various student exchange programs

Centre of Excellences coming up

A.2) Departments offering M.Tech (Research) programme

The Programme leading to M. Tech (Research) is offered in the following Departments of the Institute:

1. Department of Chemical Engineering
2. Department of Civil Engineering
3. Department of Computer Science and Engineering
4. Department of Electrical Engineering
5. Department of Electronics Engineering
6. Department of Mechanical Engineering

A.3) Eligibility criteria and guidelines for admission

1. A candidate should possess B. E./B. Tech. degree in relevant branch and should have passed with 55% aggregate marks of all 8 Semesters (CGPA-6.0). The candidates should bring valid identity proof at the time of interview.
2. The candidates should have minimum working experience of Two years after graduation in a registered firm / company / industry / educational or research institute / any government department or government autonomous organizations. However, Institute research project staff should have minimum One years of Experience after graduation.
3. Selection will be based on oral presentation on the proposed area of research in front of a committee duly constituted by DAAC. The chosen supervisor should either be part of interview committee or be invitee member.
4. The candidates for M Tech. (Research) can be
   a. Candidates employed by Government / Semi-Government organizations.
   b. Sponsored candidates.
   c. Institute Staff and Project Staff of the Institute.
   d. Faculty, Staff and Project Staff of the other Institute approved by AICTE /UGC.
   e. External candidates from any private / public sector organization or research laboratory / organization.

   Notes:
   (i) There will be no financial support from SVNIT.
   (ii) Faculty/Staff, Project Staff of this or other institute are expected to work for their M.Tech. (Research) Programme while fulfilling their normal duties.
   (iii) External candidates are allowed to carry out their Research work at the Institute or at their parent organization after fulfilling certain pre-requisites at the Institute.
5. The candidate must enclose self-attested copies of the following documents/certificates. Same must be produced in original at the time of interview/physical documents verification.
   a. Appointment letter and sponsorship certificate/no objection certificate issued by the current employer.
   b. Experience certificate duly signed by competent authority on the letter head of the company/organization/institute.
   c. Other documents like date of birth, identity proof, marksheets of all semesters, degree certificate, sponsorship certificate/no objection certificate.

6. The candidates would be required to deposit the fee within prescribed time.

7. The candidates must submit "NO OBJECTION CERTIFICATE" from their employers for taking up their M Tech (Research) work at this institute as per format prescribed in the application form. In case the candidates are not able to submit "NO OBJECTION CERTIFICATE" from their employer with the application form, they must submit undertaking that "NO OBJECTION CERTIFICATE" will be presented at the time of interview process otherwise they will not be allowed to appear in the interview process. The applications without such certificates will not be considered for further process of admission.

A.4) M.Tech (Research) course structure

1. The complete M. Tech (Research) Programme will be a minimum 3-year duration for all the candidates. The maximum period allowed to complete the M. Tech (Research) programme is 5 years, provided the fees are paid for each extended year(s). The maximum or minimum period will be counted from the date of registration to the date of dissertation submission. However, the students can submit the dissertation in the sixth semester after presenting the Research Progress Seminar, provided they have completed all the other requirements of the M.Tech (Research) program. The candidate has to deposit the requisite fee for each extended duration.

2. A total of 80 credits are required to be earned. The student should obtain minimum of 16 credits from the course work with combination of theory and/or laboratory courses. However, only laboratory courses without theory may be registered but maximum credit to be earned from the laboratory courses without theory is two (02) only.

3. The flexibility in the program is that the student can complete the minimum credit through coursework anytime during the first 2 years of the program, and research work may start from the beginning of the first Semester.

4. For the initial/first two years, students can opt for a minimum of 12 credits and a maximum of 16 credits in each semester in combination with the course work and Research Progress Seminar. However, the maximum earned credits at the end of 2nd year will not exceed 48 credits.
   For the last year (3rd year), the credit of Research Progress Seminar will be 16 credits per semester.

5. The student can withdraw (if required) in any semester with prior approval from the competent authority at least one month before the start of the next semester (In addition to the existing regulations). However, the maximum duration to complete the course work (16 Credits) and the maximum duration of the entire program will remain unchanged.

6. The award of the degree shall be given only as and when the student has the acceptance of (i) a minimum of ONE Technical paper in Journals enlisted in SCI/SCIE (Clarivate Analytics)/Scopus/Web of Science (non-paid journal) or (ii) minimum ONE process/product patents granted, but not before the Six Semesters/Three years.

7. The candidate must enclose self-attested copies of the following documents/certificates. Same must be produced in original at the time of interview/physical documents verification.

    a. Appointment letter and sponsorship certificate/no objection certificate issued by the current employer.
    b. Experience certificate duly signed by competent authority on the letter head of the company/organization/institute.
    c. Other documents like date of birth, identity proof, marksheets of all semesters, degree certificate, sponsorship certificate/no objection certificate.

8. M.Tech (Research) will be awarded in the existing specialization of the M.Tech Programmes of the departments only if credits of the course are to be earned by the subjects of that specialization.

9. In case the subjects studied for the credit earned are of the different specializations of the M.Tech Programmes, the M.Tech (Research) in the Branch will be awarded—for example, M.Tech (Research) in Civil Engineering, M.Tech (Research) in Electrical Engineering, etc.

Note: This is just a quick summary of the M.Tech (Research) course structure covering major points. The Institute academic regulations (https://www.svnit.ac.in/web/rules_regulations.php) and subsequent resolutions pertaining to M.Tech (Research) approved by the Senate will be applicable to the applicants and registered candidates.

A.5) Admission procedure

The M.Tech (Research) admission procedure at Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat is conducted as per the following guidelines:

Application process

(a) All applications must be submitted through the official ONLINE portal of SVNIT, which is best accessed via Mozilla Firefox. (https://mis.svnit.ac.in/svmtech)

(b) Candidates can apply for M.Tech (Research) program of the required department after registration and paying the application fee.

(c) Using the provided login credentials, applicants must log in to the admission portal and complete the form.

(d) The application fee must be paid through the online payment system available on the official site.

(e) After submission, a PDF file of the completed form will be generated, which should be printed for future reference.

(f) Shortlisted candidates must attend the presentation/interview and/or written test as part of the selection process.

(g) Candidates should bring a printed copy of their online application form along with original documents and a set of self-attested photocopies.

(h) The exact date, time and venue for the presentation/interview and/or written test will be notified on the institute website along with the list of shortlisted candidates. Visit the institute website regularly for updates.

A.6) Admission schedule

Admission to M.Tech (Research) programmes in different disciplines is performed twice in a year i.e. Autumn Semester (July) and Spring Semester (January). The schedule for written test/presentation of applicants will be notified separately on institute website in the month of October/November and March/April every year. For more details, refer the M.Tech (Research) application portal link: https://mis.svnit.ac.in/svmtech

After the last date of application, scrutiny of all the received applications and supporting documents will be carried out by the respective departments as per the eligibility criteria. Department-wise list of eligible candidates called for written test/presentation will be published on the Institute website as per the schedule. All eligible candidates called for written test/presentation should appear in person, along with all the necessary original documents for physical verification as per the schedule. All candidates are advised to frequently check Institute website to stay updated.

A.7) Fee structure:

For more details, candidates are requested to visit the institute website:

https://www.svnit.ac.in/web/fee-structure-inst.php

B) Student Amenities

B.1) Hostel: Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat is residential institute and Hostel section of the institute is established to deal with all the matters related to accommodation, food and general wellbeing of the students. Presently, the Institute Campus has 09 hostels which include 07 boys' hostels and 02 girls' hostels. The activities of hostels are managed by the Council of Wardens (CoW) and Hostel Management Committees (HMC) of the students. Council of Warden includes the Chief Warden and Wardens of the hostels with Co-Chairman as the Associate Dean (Students Welfare) and Chairman as Dean (Students Welfare). All the hostels are equipped with basic facilities like furniture, Wi-Fi/LAN enabled internet, Mess, and recreational facilities like fully equipped sports facilities, music rooms, magazine rooms and television rooms. Most hostel-level meetings take place in common rooms. All on-roll students are covered under the Medical Insurance scheme for inpatient treatment. The insurance covers hospitalization expenses of up to Rs. 50, 000/-. Students get cover from Day One with cashless hospitalization facilities in-network hospitals of Insurance companies.

B.2) Central Computer Centre: The Central Computer Centre (CCC) primarily caters to the Internet Access requirements throughout the institute and Campus-wide network connectivity throughout the campus, including academic & administration departments, hostels, staff quarters, guest house, etc. User Account and Bandwidth are managed with the help of firewall. The institute is the participant of MoE, Government of India NMEICT/NKN project through which connectivity of 1 Gbps is functioning. The internet access to the institute is also available from various vendors, who provides 250 Mbps internet bandwidth each amounting to a total of 1.25 Gbps. Thus, total bandwidth of the Institute is amounting to a total of 2.25 Gbps. The Central Computer Centre has Blade Server with 14 TB of Storage space and
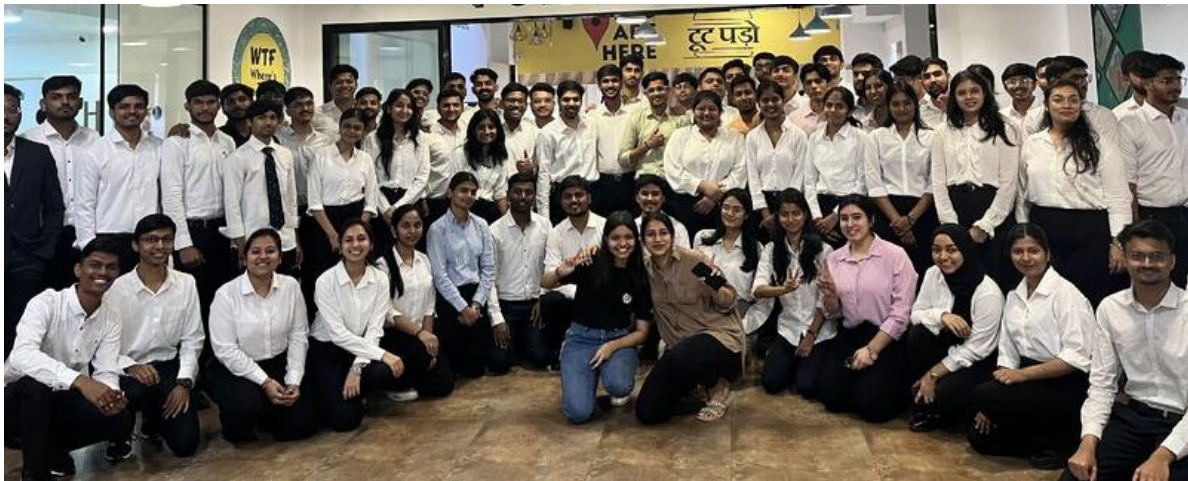
6 Blades on which variety of different purpose servers like WEB Server, DNS, NIS Server, FTP Server, DHCP Server, etc. are hosted. Most of the dialects of the operating systems, authorized copies of almost all the common shrink-wrapped software and various Engineering application software's are housed in the laboratories. Superb computing facilities and the abundance of all types of latest software's are added to the glamour and grandeur of this centre.

B.3) Student Activities Centre: Student Activities Centre (SAC) of the institute organizes and manages sports, co-curricular and extracurricular activities of students and staffs. It has adequate sport facilities like Badminton courts with standard size of synthetic flooring, proper light and ventilation, two International standard synthetic Tennis courts with class-3 flood lights and modern seating arrangement for the spectators, two Volleyball grounds with standard quality grounds with flood lights, two Basketball courts facility with standard size of concrete flooring, proper light, Pool Table, Table Tennis and football ground. In addition to above, the institute has a Gymnasium Hall equipped with varieties of equipment's i.e more than 15 stations for specific body part exercise. Further, the SAC provides coaching camps for various games like Athletics, Badminton, Basketball, Cricket, Football, Handball, Kho-Kho, Kabaddi, Swimming and Yoga etc.

B.4) Career Development Cell (CDC): Institute has full-fledged Training & Placement Section (T&P) under the Professor In-charge Training & Placement. It helps the student's community to get the proper placement in various public and private sector organizations by arranging the campus interviews. The placement of final year students starts at the beginning of the academic year. Further, to strengthen the Industry-Institute interaction, CDC section encourages the companies for an internship to B. Tech. 3rd year students (maximum 8 weeks in summer vacation) and to M. Tech. students (maximum 1 year) in their 2nd year as a dissertation work. Please visit : https://www.svnit.ac.in/web/t&p/about.php

B.5) Industry and Alumni Relations: The institute is having its alumni association, which takes an active interest in the growth of the institute. The institute has signed several MoUs with industries such as Reliance, L&T, Essar, Altair, Patni and various Technical Institutions and, Universities in India and abroad. The SVNIT Surat is having wide network of its alumni across the globe. The alumni of the institute are placed at the high rank in the government, semi-government and private institutions serving the country whole heartedly. The networking of students with alumni be carried out through the office of Dean (Alumni and Resources Generation) and office SVNIT Surat Alumni Association situated within the campus of the institute. The networking of the SVNIT Surat Alumni is through Alma Connect. The alumni of institute support the various academic, research, sports and placement activities of the institute apart from financially helping the needy students. The alumni association organizes the annual convention of alumni of institute every year which is one of the most awaited events.

B.6) Extra-Curricular activities: Apart from academics, the institute takes due care of the overall development of students through extracurricular activities like "KASHISH" the welcome program for first-year students. A three-day cultural event "SPARSH" is one of the most cherished activities of the students. A technical event like "MINDBEND" along with activities of various student chapters/clubs such as Association for Computing Machinery (ACM), Centre for Humanity Resource Development (CHRD), Chemical Engineering Society (CHES), Civil Engineering Society (CES), Cutting Edge Visionaries (CEV), DRISHTI, Electrical Engineering Society (EES), Indian Institute of Welding (IIW), Indian Institution of Industrial Engineering (IIIE), Indian Society for Technical Education Society (ISTE), Institute of Electrical and Electronics Engineers (IEEE), Institution of Engineers (IE), Literary Affairs Committee (LAC), NIRVANA- a programme of social engineering, RENESA, Society for Cultivation of Science & Humanities (SCOSH), Society of Automotive Engineers (SAE), SPIC-MACAY (Society for the Promotion of Indian Classical Music And Culture Amongst Youth), The Institution of Electronics & Telecommunication Engineers (IETE) etc. are organized throughout a year to keep a student involved in co-curricular activities.

B.7) Health Centre: The Health Centre of SVNIT is established to ensure adequate & qualitative healthcare facilities for all the students, faculties, and staff with their family members at SVNIT. The Health Centre is managed by full-time residential doctor and Medical Officers on a contractual basis. Five (5) Hon. Visiting Medical Consultants, namely Physician, Gynecologist, Radiologist, Ayurveda, and Homeopathy specialists, provide medical services at the extension of the Health Centre at CAD Lab Building and the adolescent Health Clinic in Mother Terasa Bhavan (Girls Hostel). 108 ambulance services are available for the campus residents and are provided at the designated appropriate place on campus.

B.8) Central Library: The institute has a library of world-class standards with an area of 17070 square meters. It contains 97810 print books, 23 print Journals, 11265 e-books, 4035 e-journals, and 5455 e-journals through eSS consortia. The library maintains various Databases and Standards (Online) like IEEE/IET Electronic Library, McGraw Hill Access Engineering Online Database, ASME Standards (Except BPVC), Indian Standards, International Electro-Technical Commission (IEC) Standards, ASTM Standards, American Welding Society Standards, etc. The institute subscribes to several research support tools, including Turnitin (plagiarism detection online software), Grammarly Premium, SCOPUS Database, SciFinder-n, and Web of Science Lease Access. Central Library also subscribes to the GATE preparation platform for all Engineering disciplines. The Central Library is a member of e-Sodh Sindhu:

Consortia for Higher Education E-Resources. The library is also a member of the Developing Library Network (DELNET), New Delhi.

Location and Accessibility:

Surat is one of the central nodes on the Bombay-Delhi (National Highway 8) and is connected to the country by Road, Rail, and Air. SVNIT, Surat is located in the city's prime area, locally known as Ichchhanath, at about 10 KMs from the Surat Railway Station. It is on the way to a small seaside region known as Dumas, from the railway station. The city buses regularly operate from early morning till midnight, between Surat Railway Station and College Campus/Piplod. Other than the city bus, auto-rickshaws (more commonly) or taxis are also available. Surat also has International Airport at Magdalla-Dumas Road, approximately 10 KM from the institute campus. The operating airlines connect Surat to Chennai, Bangalore, Bhubaneswar, Delhi, Hyderabad, Goa, Kolkata, Jaipur, Mumbai, and Patna with return flights regularly flies from these locations.

(To be typed on letter Head of the Department/Organization)

To,
The Director,
Sardar Vallabhbhai National Institute of
Technology, Surat 395 007.

Sub.: No Objection Certificate for M. Tech. (Research) Programme.

Dear Sir,

We   hereby   permit   Shri/Kum/Smt

_____

who is an employee in our Institute/Organization, to join M.Tech (Research) programme

in Department of _____ Engineering, SVNIT, Surat.

We shall relieve him/her of his/her duties of the organization during the study period

to attend the classes for relevant courses/examination to be held at your institute related to

above programme.

Name, Signature and seal of the Sponsoring Authority

Date:

Place:

Certificate to be issued by Parent Institute/Organization, and be enclosed with the application for M. Tech. (R) candidates
(in case No Objection Certificate is not available)

Mr./Ms.＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿is a full-Time employee and working as＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿in ＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿Department of this Institute/Organization. He/she is interested in joining M.Tech (R) program in＿＿＿＿＿＿＿＿＿Department of SVNIT Surat .

He/she will be issued No Objection Certificate by competent authority in the prescribed format, if he/she granted admission in SVNIT Surat.

Name, Signature and seal of Principal/Director
(Stamp and Seal)

Date:

Place:

Certificate to be issued by Parent Organization of Govt. of Gujarat, and be enclosed with the application for M.Tech (Research) candidate

(in case No Objection Certificate is not available)

Date:

Mr./Ms.＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿is a Full-Time employee and working as＿＿＿＿＿＿＿＿＿＿＿＿＿＿in＿＿＿＿＿＿＿＿＿Department of this Institute. He/she is interested in joining M.Tech (R) program in Department of ＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿＿ Engineering, SVNIT Surat.

He/she will be issued No Objection Certificate by competent authority in the prescribed format, if he/she is granted admission in SVNIT Surat, within one year after getting confirmation of admission. In case, the relevant certificate is not issued by the competent authority within the prescribed duration, his/her admission be treated as cancelled from SVNIT, Surat.

Name, Signature and seal of Principal/Director
(Stamp and Seal)

Date:

Place: