

**SARDAR VALLABHBHAI
NATIONAL INSTITUTE OF TECHNOLOGY, SURAT**



INFORMATION BROCHURE
M. Tech. (Research)

STANDING ADVERTISEMENT
(w. e. f. Academic Year 2011 – 12)

**SARDAR VALLABHBHAI
NATIONAL INSTITUTE OF TECHNOLOGY, SURAT**

ADMISSION INFORMATION BROCHURE



STANDING ADVERTISEMENT
(w. e. f. Academic Year 2011 – 12)

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IMPORTANT Instructions
M. Tech. (Research) Programme
(Standing Advertisement)

- (a) The application should be submitted only **OFF LINE** after downloading application form through Institute website www.svnit.ac.in. The application form duly filled in all respect should be sent to “The Registrar, SVNIT, Ichchhanath, Surat-395007.”
- (b) Candidates must submit the application and processing fee, Rs. 1000/- (for Open/OBC) and Rs. 500/- (for SC/ST) in the form of demand draft drawn in favour of “Director, SVNIT, Surat” payable at Surat and required certificates as envisaged in the information brochure at the time of application. The original documents are to be shown at the time of counseling, in the absence of these documents, candidates will not be interviewed. Application and processing fee will not be refundable.
- (c) The applicants can apply throughout year after downloading the application form Institute website. Those applications will be processed twice in a year. The applications received till June 30 and November 30 shall be processed in July and December respectively for admission in each year. The schedule for interviews of those applicants will be notified separately on Institute website in the month of July and December.
- (d) No separate interview call letter shall be sent to individual candidates.
- (e) Policy of reservation will be adopted for the admission as per the guide lines of the MHRD released from time to time.

IMPORTANT DATES

1. Last date of receipt of application form* through standing advertisement : June 30, 2011
2. List of the Candidates for Test/Interview# : July 05, 2011
3. Examination/Interview Date : July 11, 2011
4. Declaration of results** : July 13, 2011
5. Last date of payment of fees & deposits : July 15, 2011
6. Date of Registration : July 20-22, 2011
7. Commencement of the Semester : July 25, 2011
8. Late Registration with payment/ Fee : July 29, 2011

* The form can be downloaded from the website also

The list of candidates called for the interview shall be put on the Institute website

<http://www.svnit.ac.in> on July 05, 2011 by Head of the concerned Department.

** The results will be placed on the departmental notice boards & on the website by Head of the concerned Departments on or before July 13, 2011.

1. THE INSTITUTE

Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat is one of the higher Institutes of Technology in the country and was established with the objectives of making available facilities for higher education, research and training in various fields of Engineering , Technology and Applied Sciences.

The Institute campus is spread over 265 acres of land on the Surat-Dumas Road. The Institute was established in 1961 as one of the Regional Engineering Colleges for imparting technical education in Civil, Mechanical and Electrical Engineering. In the year 1983-84, the UG Programme in Electronics Engineering was introduced. In the year 1988-89, the UG Programmes in Computer Engineering and Production Engineering were started. In the year 1995-96, the UG Programme in Chemical Engineering was introduced. At present, the Institute is offering Six UG Programmes with an intake of around 700 students. In addition to the above, 21 students are admitted through Government of India from SAARC countries and 91 students are admitted through DASA scheme. The Institute is, at present, offering fifteen AICTE approved M. Tech Programmes with an intake of 25 students in each. Apart from this, three Five Years Integrated M. Sc. Programmes were started from academic year 2007 – 08.

Applied Mechanics Department

- (a) Structural Engineering
- (b) Soil Mechanics & Foundation Engg

Chemical Engineering Department

- (a) Chemical Engineering

Civil Engineering Department

- (a) Environmental Engineering
- (b) Urban Planning
- (c) Water Resource Engineering
- (d) Transportation Engineering & Planning

Electrical Engineering Department

- (a) Power Electronics and Electric drives

Electronics Engineering Department

- (a) Communication System

Computer Engineering Department

- (a) Computer Engineering

Mechanical Engineering Department

- (a) Turbo Machines
- (b) Thermal Systems Design
- (b) CAD – CAM
- (d) Mechanical Engineering
- (e) Industrial Process Equipment Design (Sponsored by Larsen & Toubro Ltd., Hazira, Surat)

The Five Years Integrated M. Sc. Programmes are being offered in the disciplines :

- 1. Chemistry
- 2. Mathematics
- 3. Physics

The M. Tech. (Research) Programmes are being offered in the following disciplines:

- 1. Civil Engineering
- 2. Mechanical Engineering
- 3. Chemical Engineering
- 4. Computer Engineering
- 5. Electronics Engineering
- 6. Applied Mechanics (Structural Engineering & Geotechnical Engineering)
- 7. Electrical Engineering

2. RESEARCH FACILITIES

All the departments of the institute have well – equipped research laboratories and computational facilities. In addition, there are number of central facilities, which include Computer Center, Central Library, Workshop, and Sophisticated Instrumentation Centre (SIC). The Central Library has a very large collection of books, back volumes of periodicals, standards and e-books. The Library has now more than 3 lakhs books and volumes and subscribes to over 1500 current journals in Engineering and Applied Sciences.

3. STUDENT AMENITIES

Institute is fully residential and has 11 hostels for students. Each hostel has an independent entity with its own mess facilities, recreation areas etc. However, students may be permitted to have their own arrangement for accommodation outside campus. Extra – curricular activities are provided by Students’ Gymkhana. The activities include sports, cultural Programmes etc.

4. M. Tech. (Research) PROGRAMMES

The aim of the Programmes is to train the candidates in high level technical education that enables them to tackle practical complex problems of design and development in the industrial fields as well as to pursue further academic achievements through research. Enough flexibility is provided in the structure of the Programmes to help the candidates to achieve the said aim. The departments are equipped with sufficient facilities and the Institute now offers these Programmes for **two and half years duration for all the students extendable to four years only.**

Every stream of specialization in the Programme will have **four theory courses** which are to be completed within first year of the study apart from other courses including credit seminar and Research Progress seminar as per the Curriculum. The students have to attend the theory courses with regular M Tech students in a particular semester. However, their compulsory stay in the campus during a semester is not a mandatory requirement. The students will have to complete maximum 24 credit requirements in the form of course work examination and credit/research progress seminars in first two semesters and, subsequently, 36 credit requirements in third and fourth semesters or later, as the case may be in the form of research Progress Seminar and Dissertation. The maximum total credit to be earned by the students is 60 during the programme. Continuance of M. Tech. (Research) registration for the next semester will be subjected to fulfillment of course credit requirements of preceding semester.

5.0 ELIGIBILITY FOR ADMISSION

The eligibility for admission to M. Tech. (Research) in Engineering Faculty and Interdisciplinary areas is :

1. A candidate shall possess Bachelor's Degree in any one of the seven disciplines stated above and should have passed with minimum 55 % (CGPA = 6.0 on scale of 10) or equivalent.
2. The candidates should have **Five** years' experience after graduation. The minimum experience requirement for institute research project (SVNIT) staff is **TWO** years.
3. The candidates from following organizations are eligible to apply:
 - Govt./QIP sponsored
 - Faculty, staff, project staff of Institute
 - Faculty, staff, project staff of other Institute
 - Sponsored External candidates of relevant organization
4. Selection through oral presentation on the proposed area of research in front of a committee to be constituted by DBPGS&R of concerned Department.

Notes:

- i.** The format for the sponsorship letter for the candidates is given in **Appendix – I**. The candidate must support the application through the sponsorship certificate. The candidate should produce, at the time of registration, the relieving certificate as given in **Appendix-II**, if they desire so, to complete their work in this institute, at their own cost. No financial support will be provided to the candidates while pursuing the course at the Institute.
- ii.** Faculty/Staff, Project Staff of this or other institute are expected to work for M. Tech. (Research) Programme while fulfilling their normal duties in their parent organisation.
- iii.** The candidates will be awarded degree for M Tech (R) after completion of all the course requirement and acceptance of paper publication in peer reviewed journal listed under SCIE.

6. APPLICATION PROCEDURE AND APPLICATION FORM

Application forms can be downloaded from the Institute website **<http://www.svnit.ac.in>** which is **enclosed** at **Annexure IV** of this document. The application form duly filled in all respect along with all relevant enclosures and requisite fee, in the form of **crossed Demand Draft** (Rs 1000/- for General and OBC candidates and Rs. 500/- for SC/ST candidates) drawn in favor of **Director, Sardar Vallabhbhai National Institute of Technology, Surat payable at Surat**, be sent to **the Registrar, Sardar Vallabhbhai National Institute of Technology, Surat , Ichchhanath, Surat-395007.**

FILLING – UP THE FORM

- a) After carefully reading the instructions given in this brochure, fill in the application form neatly and clearly.
- b) Candidate should complete the application form in all respects with necessary certificates / marksheets / DD etc. Incomplete application forms will be rejected.

Note: Application form is on the last page of this Information Brochure.

8. FEES AND DEPOSITS

The complete fee structure is given in **Appendix - III**

APPENDIX – I

Sponsorship Letter For M. Tech. (Research) Candidates

(This should be typed on the letter head of the Sponsoring Organization)

Ref No.

Date:

,2011

To,

The Director,
Sardar Vallabhbhai National Institute of Technology,
SURAT – 395 007

Sub. : Sponsoring of an Employee for M. Tech. (Research) Programme

Dear Sir,

We, hereby, sponsor candidature of Shri/Kum/Smt. _____, who is an employee in our Organization, for joining M. Tech. (Research) Programme in* _____ Engineering Department at your Institute.

We shall bear the total expenses of his studies. We shall relieve him/her from the duties of the Organization for attending the theory classes and appearing in the examinations during the programme.

* Please fill in the discipline

Signature of Head of Organization with Seal

APPENDIX – II

Relieving Letter, if desired so, of M. Tech. (Research) Student

(This should be typed on a letter head of the Organization)

Ref No.

Date: _____, 2011

To,

The Director,
Sardar Vallabhbhai National Institute of Technology,
SURAT – 395 007

Sub. : Relieving an employee as M. Tech. (Research) Student

Dear Sir,

We hereby relieve Shri/Smt./Kum. _____, an employee of this Organization, on full pay leave for joining M. Tech. (Research) Programme in * _____ Engineering Department at SVNIT, Surat for a period of _____ years. We understand that no financial support will be provided.

*Please fill in the discipline

Signature of Head of the Organization with Seal

APPENDIX – III

FEE STRUCTURE OF M.TECH. & M.TECH. (RESEARCH)**

FOR THE ACADEMIC YEAR 2011-2012

(ALL BRANCHES)

Sr. No.	Particulars	M. Tech.		M. Tech.		
		1st Sem	2nd Sem	3rd Sem	4th Sem	5th Sem
1	Tuition Fee	17500 P.T.	17500 P.T.	17500 P.T.	17500 P.T.	17500 P.T.
2	Other Fees (inclusive of Exam., Lib. & other fees)	3000 P.A.	--	3000 P.A.	--	* 4000 P.A.
3	Admission Fee (One Time)	1000	--	--	--	--
4	Alumni Fee (One Time) (if not already an alumni)	1000	--	--	--	--
5	Security Deposit (Refundable) (One Time)	5000	--	--	--	--
6			--	--	--	--
TOTAL.....		27500/-	17500/-	21500/-	17500/-	21500/-

*** Subject to approval**

**** Fee may change during the programme.**

@ subject to approval

P.T. : Per Term

P.A. : Per Annum

SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY,
SURAT – 395007, GUJARAT
APPLICATION FORM

FOR ADMISSION TO M. Tech. (Research) DEGREE PROGRAMMES

Registration No. **Application No.**
(Leave blank) (Leave blank)

DISCIPLINE _____ ENGINEERING
(Please Opt for any one out of Six)

Choice of Guide(s) a) _____
in order of preference b) _____
(If, any) c) _____
d) _____

Please paste
a recent,
self- attested
passport-
size
photograph

Registration Fee
Bank Draft No. Date Amount Issuing bank

1. Name in full _____
(Capital letters) Surname First name Father's first name

2. Sex M F
(Attach certificate) day month year

3. Date of Birth

4. Age: _____

5. Nationality: _____

6. a) Name of the Parent/Guardian : Shri /Smt _____

b) Relationship : _____

c) Address for the Communication : _____

_____ PIN _____

d) Permanent Address _____

_____ PIN _____

e) Contact Phone No. :Resi: _____ Office: _____
(with area code)

Mobile No. _____

f) E-mail : _____

7. Student Status : (Tick Appropriate Category)

M. Tech. (Research) Student from Government/Semi-Government Organization	<input type="checkbox"/>
Institute Faculty, Staff, Project Staff	<input type="checkbox"/>
Other AICTE/UGC approved Institute Faculty, Staff, Project Staff	<input type="checkbox"/>
External candidates (other organizations)	<input type="checkbox"/>
Sponsored Candidates	<input type="checkbox"/>

8. Whether GATE qualified : Yes No

9. If yes give details, or write N/A

<input type="text"/>	<input type="text"/>	<input type="text"/>
Branch	Validity Period	GATE Score

(No scholarship will be provided)

10. Details of Qualifying Examination

Examination	University/ Board	Year of Passing	Grade Point Average/Percentage of Aggregate Marks Obtained	Class/Grade
S. S. C.				
H. S. C.				
OTHERS, IF ANY (Pl. Specify)				
B. E. / B. Tech. or Equivalent Examination. Name of Branch : _____				
1 st YEAR				
2 nd YEAR				
3 rd YEAR				
4 th YEAR				
CGPA/Aggregate Percentage of B. E. / B. Tech. or Equivalent Exam (All Semesters)				

12. Name of Institute and Department from :
where he /she passed out

12. If employed, name and address of the :
present employer
(Sponsorship Certificate from the
Employer should be attached)

13. List of publications (Reprints should be produced before the interview committee. Attach separate sheet, if necessary)

14. Experience if any :

(i) Research and Development (Brief description of any specific research & development work carried out along with the supporting documents may be given in separate sheet, if required)

(ii) Teaching at UG/PG level : Duration in year(s) –
Subject(s) taught –

15. The following details to be filled in by the External candidates

(i) Name of the PG course currently offered in the proposed area of research, if any,
at your institute/organizations and it's year of starting -

- (ii) Major infrastructure research facility in the proposed area of research available at your institute/organizations (Attach separate sheet, if needed)

- (iii) Name of the Proposed Guide(s) having M.E/ M. Tech/ Ph. D. at your work place who wish to guide you for M. Tech. (Research) work. (Please attach officially forwarded or with NOC the application from such Guide(s) alongwith the Biodata, Research Activities /publications etc)

Applications from the Guide(s) attached (Pl. tick)

16. Declaration by the applicant

I, Mr / Ms. _____ hereby declare that all the particulars stated in the application and enclosures are true to the best of my knowledge and belief. I have read the M. Tech. (Research) Admission Information Brochure and I shall abide by the terms and conditions therein. I understand that my admission will be provisional and in event of being found not eligible at a latter date, I will be denied admission and, if already admitted, my admission will be cancelled. I also declare that I have fully understood the implication of scheme of M. Tech. (Research) Program and that I should be devoting enough time to my Program studies. I also understand that in all matters concerning the admission, the decision of the Institute authority is final and I should abide by it.

Place:

Date:

Signature of the Applicant

Note :

1. Candidate must fill correct CGPA/Aggregate percentage of B.E. / B. Tech. or Equivalent Examination (all semesters). Application without aggregate percentage or incorrect and misleading data will be rejected without assigning any reasons for the same.
2. Attach Authenticated Transcript of Grades/Marks of all the semester leading to qualifying examination.
3. Candidates are required to attach all the relevant certificates including experience and sponsorship certificates.