

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



INFORMATION BROCHURE

M. Tech. (Research)

2007 - 08

SPRING SEMESTER

ADMISSION INFORMATION BROCHURE

**M. Tech. (Research), Spring Semester
2007 – 2008**

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



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2007-08**

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IMPORTANT DATES

1. Last Date of Issue and receipt of application form* : Dec. 21, 2008
- 2 List of the Candidates for Test/Interview# : Jan. 01, 2008
- 3 Examination/Interview Date : January 08, 2008
- 4 Declaration of results** : January 10, 2008
- 5 Last date of payment of fees & deposits : January 18, 2008
- 6 Date of Registration : January 18, 2008
- 7 Commencement of the Semester : January 21, 2008

* The form can be downloaded from the institute website <http://www.svnit.ac.in>.

The list of candidates called for the interview shall be put on the Institute website <http://www.svnit.ac.in> on January 01, 2008 by Head of the concerned Department, no separate interview call letter shall be sent to the individual.

** The results will be placed on the departmental notice boards & on the website by Head of the concerned Departments on or before January 10,2008

Policy of reservation will be adopted for admission as per guide lines of MHRD released from time to time.

1. THE INSTITUTE

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

The Institute campus is spread over 100 hectares 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 also introduced. At present, the Institute is offering seven UG Programmes with an intake of 450 students; the intake may be increased due to Reservation Policy to be decided by appropriate authority. In addition to the above, 20 students are admitted through Government of India from SAARC countries. The Institute is offering fifteen AICTE approved M. Tech Programmes with an intake of 18 students; and three new Five Years Integrated M. Sc Programmes from academic year 2007 – 08. The details of M Tech programmes being run in various academic departments are as under:

Applied Mechanics Department

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

Chemical Engineering Department

- (a) Chemical Engineering

Civil Engineering Department

- (a) Environmental Engineering
- (b) Water Resource Engineering
- (c) Town and Regional Planning
- (d) Transportation Engineering & Planning (New course, AICTE approval in process)**

Computer Engineering Department

- (a) Computer Engineering

Electrical Engineering Department

- (a) Industrial Electronics

Electronics Engineering Department

- (a) Communication System

Mechanical Engineering Department

- (a) Turbo Machines
- (b) Thermal Systems Design (**New course**)
- (c) CAD – CAM (**New course**)
- (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 of :

1. Chemistry
2. Mathematics
3. Physics

The M. Tech. (Research) Programmes are being offered in the following disciplines for the specializations mentioned above for regular M Tech Programmes:

- 1 Civil Engineering
- 2 Mechanical Engineering
- 3 Chemical Engineering
- 4 Computer Engineering
- 5 Electronics Engineering
- 6 Applied Mechanics)

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 Xerox section. The Central Library has a very large collection of books, back volumes of periodicals, standards and other literature. The Library has now more than 3 lakhs books and volumes and subscribes to over 1500 current journals in Engineering and Applied Sciences. Further, institute has recently received grant to the tune of Rs 22 Crores under Technical Education Quality Improvement Programme of World Bank. Out

of this almost 80% has been utilized in development of high level in fracture including sophisticated instrumentation in laboratory, media library, and CAD laboratories where most recent soft wares have been procured for high level research.

3.0 STUDENT AMENITIES

Institute is fully residential and has 9 hostels for the regular students. Each hostel is an independent entity with its own mess facilities, recreation areas, etc. Construction of another ladies hostel and an independent hostel for post graduate students as well as research scholars will be completed after some time. Facilities for extra – curricular activities are provided by Students’ Gymkhana. The students’ activities include sports, cultural programmes, a national level technical symposium for the regular students (MINDBEND) etc. No Hostel accommodation is available to M. Tech (Research) students at present and they have to make their own arrangement for accommodation outside campus.

4. M. Tech. (Research) PROGRAMMES

The Institute offers these Programmes leading to M. Tech. (Research) degree in various disciplines. 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 years duration and extendable up to four years duration only.

Every stream of specialization in the Programme will have a Self-study course curriculum for the comprehensive examination of First Semester. The students will have to complete **maximum** 25 credit requirements in the form of course work examination and credit seminars in first two semesters and subsequently 35 credit requirements in third and fourth

semesters or later, as the case may be. The **maximum total credits** to be earned by the students is 60 during the programme. Continuance of M. Tech. (Research) registration will be subjected to fulfillment of the initial course credit requirements of 25 credits.

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 at least second-class with minimum 55 % (CGPA = 6.0) or equivalent in respective Engineering faculty.
2. Selection through oral presentation on the proposed area of research in front of a committee.
3. There will be an interview for eligible students with the guide/s by each department.

6. STUDENT STATUS OF M. Tech. (Research) PROGRAMMES

The status of the students admitted to these Programmes will be as follows:

- a) M. Tech. (Research) candidates paid by Government/Semi-Government organization.
- b) Sponsored candidates.
- c) Faculty, 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.
- f) Self-financing candidates.
- g) Study leaves candidates.

Notes:

- i. M. Tech. (Research) Students paid by Government/Semi-Government Organizations such as CSIR, UGC, DAE, AICTE, etc. will receive their stipend and contingency grants from their respective supporting organizations. The format for the sponsorship letter for the candidates is given in Appendix – I. They may 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 hostel accommodation will be provided.

- ii. Sponsored candidates are recipients of complete financial support including stipend, contingency grants and project expenses from the sponsoring organizations. The format for the sponsorship letter for such candidates is given in Appendix – I. They may also produce at the time of registration the relieving certificate as given in Appendix- II, if they desire so, to complete their work at this institute, at their own cost. No hostel accommodation will be provided
- iii. Faculty/Staff, Project Staff of this or other institute are expected to work for M. Tech. (Research) Programme while fulfilling their normal duties.
- iv. 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 and shall produce a relevant sponsorship or no objection certificate from the employer and submit it along with the application for admission. The external candidate shall also produce a relevant sponsorship certificate in the format given in Appendix –I or the no objection certificate from the employer.
- v. Self-financing candidates and Study leave candidates are expected to work as per the rules of the Institute.. The format for sponsorship certificate for the Study leave candidates is given in Appendix – III. No hostel accommodation will be provided.

7. APPLICATION PROCEDURE AND APPLICATION FORM

Application forms can be obtained from The Director, Sardar Vallabhbhai National Institute of Technology, Surat by sending a crossed Demand Draft of Rs 500/- (Rs. 250/- for SC/ST candidates) drawn in favor of **The Director, Sardar Vallabhbhai National Institute of Technology, Surat payable at Surat** along with self-addressed envelope affixed with postage stamps of Rs. 25/- superscripted with “ Application for M. Tech. (Research) Programme” or in person from the Academic Section of the Institute on cash payment of Rs 500/- (Rs. 250/- for SC/ST candidates). Copy of the application form can also be downloaded from the website: <http://www.svnit.ac.in>. In such cases, the form duly filled in, with necessary certificates, marksheets etc, must be sent along with crossed Demand Draft of Rs 500/- (Rs. 250/- for SC/ST candidates) drawn in favor of **The Director, Sardar Vallabhbhai National Institute of Technology, Surat payable at Surat**.

FILLING – UP THE FORM

- a) After carefully reading the instructions given in this brochure, fill in the application form neatly and cleanly.
- 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 - IV**

(PLEASE NOTE THAT NO FINANCIAL SUPPORT AND HOSTEL ACCOMODATION WILL BE PROVIDED BY THE INSTITUTE)

9. REGISTRATION FOR M. Tech. (Research) DEGREE

Every student after consulting his Guide(s) is required to register for the comprehensive course work with the M. Tech. (Research) Course Coordinator of respective Department at the commencement of each semester, on the day(s) fixed for such registration(s) and notified in the Academic Calendar(s).

10. RULES & REGULATIONS

All the M. Tech. (Research) students shall be governed by the rules & regulations laid down by the institute and when changed from time to time. All the students have to study and carry out research in the Institute or at the work place at least for a period of two years, extendable up to four years, from the date of registration to the submission of the Dissertation. The above duration is inclusive of the Course Work for Self-study and Seminars.

APPENDIX – I

Sponsorship Letter For M. Tech. (Research) Candidates

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

Ref No. _____ Date: _____, 2007

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

Sub. : Sponsoring of 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 the studies. We shall relieve from the duties of the Organization for _____ years of duration of M. Tech. (Research) Programme to devote to the studies and research (minimum two and maximum four years).

* 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: _____,2007

To,

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

Sub. : Relieving 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. (at least two years). We understand that no financial support or Hostel accommodation will be provided.

*Please fill in the discipline

Signature of Head of the Organization with Seal

APPENDIX – III

Relieving Letter for M. Tech. (Research) Candidate Joining on Study Leave

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

Ref No. _____ Date: _____, 2007

To,

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

Sub. : Relieving Employee on Study Leave

Dear Sir,

We hereby relieve Shri/Kum/Smt. _____, an employee of this Organization on Study Leave, without any financial assistance and Hostel accommodation from SVNIT, for joining M. Tech. (Research) Programme in* _____ Engineering Department at SVNIT, Surat for a period of _____ years (minimum two years). We understand that no hostel accommodation will be provided.

*Please fill in the discipline

Signature of Head of Organization with Seal

APPENDIX – IV

Fee Structure of M. Tech. (Research) Programme from the Spring semester, Academic year 2007–08*

RECURRING :

(i)	Tuition Fe per Semester	7,500.00
(ii)	Other Fees per annum (Inclusive of Examination, Library & Other fees)	3,000.00

NON-RECURRING :

(i)	Admission Fee (One time)	1,000.00
(ii)	Alumni Fee (One time)	1,000.00
(iii)	Institute Development Contribution (IDC) (One time – to be credited to Institute’s Corpus/Endowment Fund Account)	8,000.00
(iv)	Security Deposit (Refundable) (One time)	5,000.00

* Subject to Change by the institute from time to time.

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

APPLICATION FORM

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

Spring Semester, Academic Year 2007-2008

Registration No.
(Leave blank)

Application No.
(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

3. Date of Birth
(Attach certificate) day month year

4. Age: _____

5. Nationality: _____

6. a) Name of the Parent/Guardian : Shri /Smt _____
Surname First name Father's first name

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 paid by Government/Semi-Government Organization

Sponsored candidate.

Institute Faculty, Staff, Project Staff

Other AICTE/UGC approved Institute Faculty, Staff, Project Staff

External candidate

Self-financing candidate

Study leave candidate

8. Whether GATE qualified : Yes No

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

Branch

Validity Period

GATE Percentile

(No scholarship and hostel recommendation will be provided)

10. Details of Qualifying Examination

Examination	University	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				
1 st YEAR				
2 nd YEAR				
3 rd YEAR				
4 th YEAR				
CGPA/Aggregate Percentage of B. E. / B. Tech. or Equivalent Exam (All Semester)				

12. Name of Institute/Department last attended and Year :

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.