

**SARDAR VALLABHBHAI
NATIONAL INSTITUTE OF TECHNOLOGY,
SURAT -395 007**



**ADMISSION INFORMATION BROCHURE
Ph.D. [Standing Advertisement]**

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IMPORTANT instructions

Ph. D. PROGRAMMES

- (a) The application should be submitted only **OFF LINE** after downloading application form through institute web site www.svnit.ac.in .The application form dully 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/-(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 through out 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.

1. THE INSTITUTE

The Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat is one of the twenty higher 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. Subsequently the UG Programme in Electronics Engineering, Computer Engineering and Production Engineering, and Chemical Engineering were respectively introduced in the year 1983-84, 1988-89 and 1995-96. At present, the Institute is offering seven UG Programmes with an intake of 450 students which may be increased due to the reservation policy to be decided by the appropriate authority. In addition to the above, 20 students are admitted through Government of India from foreign countries. The Institute is at present offering the following PG Programmes:

Applied Mechanics Department

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

Civil Engineering Department

- (a) Environmental Engineering
- (b) Town and Regional Planning
- (c) Water Resource Engineering

Chemical Engineering Department

- (a) Chemical Engineering

Computer Engineering Department

- (a) Computer Engineering

Electrical Engineering Department

- (a) Power Electronics and Electric Drives
- (b) Power systems

Electronics Engineering Department

- (a) Communication Systems
- (b) VLSI and embedded systems

Mechanical Engineering Department

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

The Ph. D. Programmes are offered in the following disciplines:

1. Applied Mathematics & Humanities Department (Mathematics, Management and English)
2. Applied Chemistry
3. Applied Physics
4. Civil Engineering
5. Applied Mechanics (Structural Engineering & Geotechnical Engineering)
6. Chemical Engineering
7. Mechanical Engineering
8. Computer Engineering
9. Electronics Engineering
10. Electrical Engineering

2. RESEARCH FACILITIES

All Departments of the Institute have well-equipped computational facilities. In addition, there are a few central facilities, which include Computer Center, Central Library and Workshop. The Central Library has a large collection of books, back volumes of periodicals, standards and other literature. The Library has now more than 1.25 lakhs books and volumes and subscribes to over 1500 current journals in Engineering and Applied Sciences. Further, institute has received grant of worth 2 Crores under Technical Education Quality Improvement Programme of World Bank. Out of this almost 80% has been utilized in very high level infrastructure development, including Sophisticated Instrumentation Laboratory, Media Laboratory, and CAD Laboratory where most recent software have been procured for high-level research.

3. STUDENT AMENITIES

The Institute is fully residential and hostels are available for students. Each hostel is an independent entity with its own mess facilities, recreation areas, etc. Students may be permitted to have their own arrangement for accommodation outside the campus. Extra-curricular activities are supported through Students' Council. The activities include sports, cultural programmer, a national level technical symposium for students (MINDBEND) etc.

4. Ph. D. PROGRAMMES

The Institute offers Doctorate Programmes leading to Ph. D. in various disciplines. The aim of the Programme is to train the candidates in high-level theoretical and experimental expertise that enables them to tackle practical complex problems of design and development in the industrial fields as well as pursue of further academic achievements through research. Enough flexibility is provided in the structure of the Programme to help the candidates to achieve the above-mentioned aim. The Departments are equipped with sufficient facilities for these purposes. The Institute offers Programme of minimum three years for the full-time candidates and part-time candidates. The maximum period allowed for full time candidates is five years and for part time external candidates is seven years.

Every stream of specialization in the Programme will have a curriculum and syllabus for the courses approved by the Senate. The full-time research scholars have to earn 12 credit requirements by taking theory courses and delivering credit seminars in first two semesters. This requirement would be applicable to the part-time scholars as well. For directly admitted students, the credit structure is 48 credits. Continuance of Ph. D. registration will be subjected to fulfillment of these initial course credit requirements.

5. Minimum Qualifications for ADMISSION

The eligibility for the admission to a Ph. D. programme in Engineering Faculty, Science Faculty, Humanities and Social Science Faculty and Interdisciplinary areas are as follows:

- a. A candidate shall possess Master's Degree in relevant area of Research and should have passed with at least second-class with minimum 50% (CGPA = 5.0) or equivalent in respective Engineering faculty and 55% in other cases.
- b. If a student of full-time M.Tech./M. Phil. programme at the Institute wants to change over to a Ph.D. programme of the Institute, he may be permitted to do so from the beginning of the second year provided:
 - (b1) He has obtained a CGPA of 9.0 or above after having registered for the full credits of course work in each of the first and second semester of M. Tech. / M. Phil Programme.
 - (b2) Once a student changes to Ph.D. Programme, thereafter he is governed by the Regulations of the Ph.D. Programme of the Institute.
- c. Candidates, who have qualified for award of Bachelor's degree in Engineering / Technology with exceptionally good academic record (CGPA 9.0/equivalent marks or higher) in prescribed discipline, will also be considered for direct admissions to a Ph.D. Programme subject to the following conditions:
 - (c1) Minimum 5 year of research experience in the reputed organization and
 - (c2) Having published minimum 2 papers in peer reviewed International Journal(s) or having minimum 2 patents (Indian or International) awarded to him/ her.
 - (c3) He/she should be eligible for admission to an M. Tech. Programme in relevant stream by virtue of his excellent valid GATE score.
 - (c4) He will be registered as full-time research scholar with minimum 4 years of duration.

6. CATEGORIES OF Ph. D. PROGRAMMES

The status of the candidates admitted to the Ph. D. Programmes will be as follows:

- (a) Full-time Institute Research Scholars. (FIR)
- (b) Full-time Research Scholars and paid by Government/Semi-Government organization / QIP / EFIP. (FRS)
- (c) Full-time sponsored candidates. (FSC)
- (d) Part-time Institute faculty Staff. (PIS)
- (e) Part-time Project Staff. (PPF)
- (f) Part-time External candidates. (PEC)
- (g) Full-time Self-financing candidates. (FSF)
- (h) Full-time Study leaves candidates. (FSL)

There shall be provision for 2 categories of registration to the candidates willing to register for Ph.D.

I: Full time: Students, who are willing to pursue research on full-time basis

II: Part-time:

- (a) Institute faculty, Staff and Project staff.
- (b) Faculty staff and Project staff working in any Technical Institute duly approved by competent authority namely AICTE/UGC.
- (c) Candidates working in any Public/Private sector organization or Research Laboratory / Organizations, who are willing to pursue Research on part-time basis.

Note:

- Full-time Institute Research Scholars are recipients of the Institute scholarships and are governed by the Scholarship rules.
- Full-time Research Scholars paid by Government/Semi-Government organizations such as CSIR, UGC, QIP, DAE, AICTE, etc. will receive their stipend and contingency grants from their respective supporting organizations. The format for the sponsorship letter for full-time is given in appendix-I. They have to produce the relieving certificate at the time of the registration as given in appendix-II.
- Full-time 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 full-time is given in appendix-I. They have to produce the relieving certificate at the time of registration as given in appendix- II.

- Part-time Institute Faculty/Staff, Project Staff are expected to work for their Ph.D. Programme while fulfilling their normal duties.
- Part-time External candidates are allowed to carry out their Research work at the Institute or at their parent organization (subject to fulfillment of other requirements, rules and regulations laid down by the senate) after fulfilling certain pre-requisites at the Institute. They are not entitled to the Institute scholarship. The external candidate shall produce a relevant sponsorship in the format given in appendix-III or the no objection certificate from his/her employer. They have to produce the relieving certificate at the time of registration as given in appendix- IV. The Part-time external candidates are required to spend minimum a semester of the first year of the enrolment like the full-time research scholars of the Institute.
- Full-time Self-financing candidates are expected to work full-time and are subject to the rules of the Institute.
- Full time Study Leave Candidates are expected to work full-time at the Institute. They are not entitled to the Institute scholarship. Such candidates are required to produce sponsorship/relieving certificate from their organization and submit it along with the application for admission. The format for sponsorship/relieving certificate for external candidates is given in APPENDIX – V.

7. ADMISSION CRITERIA FOR Ph. D. PROGRAMMES

I. NON - SPONSORED CANDIDATES :

a) GENERAL CATEGORY :

- M. E. / M. Tech. or Equivalent with a minimum of 50% marks in all semesters/years in M. E. / M. Tech. (CGPA = 5.0)
- Preference will be given to GATE qualified candidates.

b) RESERVED CATEGORY:

- M. E. / M. Tech. or Equivalent with a minimum of 45% marks in all semesters/years M. E. / M. Tech. (CGPA = 4.5)
- Preference will be given to GATE qualified candidates.

II. SPONSORED CANDIDATES :

a) GENERAL CATEGORY :

- M. E. / M. Tech. or Equivalent with a minimum of 50% marks in all semesters/years either in M. E. / M. Tech. (CGPA = 5.0)
- Preference will be given to GATE qualified candidates.

b) RESERVED CATEGORY:

- M. E. / M. Tech. or Equivalent with a minimum of 45% marks in all semesters/years either in M. E. / M. Tech.
- Preference will be given to GATE qualified candidates. (CGPA = 4.5)

NOTE :

- (i) In addition to above criteria, the eligibility for admission to Doctorate Programme will also be governed under **Clause 5 "ELIGIBILITY FOR ADMISSION"**.
- (ii) The final selection to Doctorate Programme under all categories will be strictly subjected to the performance of the candidate in interview before respective selection committee.

8. APPLICATION PROCEDURE

The candidates have to submit an Application and processing Fee (**Nonrefundable**) of Rs.1000/- (for Open/OBC) and Rs.500/- (SC/ST) with the application. The fee has to be submitted in the form of crossed Demand Draft in favour of "The Director, SVNIT, Surat" payable at Surat.

The list of candidates called for the interview shall be put on the Institute website <http://www.svnit.ac.in> in the month of July and December.

FILLING-UP THE FORM

- a) After carefully reading the instruction given in the brochure, fill in the application form.
- b) Candidate should complete the application form in all respects. Incomplete application forms will be rejected.
- c) Forms should be filled neatly and cleanly.
- d) For SC/ST candidate Fresh Caste Certificate must be attached with application form.
- e) For OBC candidates, if applicable, the certificates will be required to be produced as per the decision of the appropriate authority.

Note: Application form is a part of this information brochure before the appendices of the information broucher.

9. FEES AND DEPOSITS

The complete fee structure is given in Appendix - VI.

10. FINANCIAL SUPPORTS

The Full-time Institute Research Scholars will be paid scholarship at a rate in accordance with the directives from the appropriate authorities. They are eligible to receive scholarship for a maximum period of three years.

11. REGISTRATION FOR Ph. D. DEGREE

Every student after consulting his/her Supervisors is required to register for the approved courses with the Course Coordinator of respective Department at the commencement of each semester on the day fixed for such registration and notified in the Academic Calendar.

Candidates, who do not register till the day announced for the purpose, may be permitted for late registration up to maximum a one week on payment of late fee.

12. RULES & REGULATIONS

All the research scholars shall be governed by the rules & regulations laid down by the institute fro time to time.

All Full-time candidates have to carry out Research in the Institute at least for a period of three years from the date of registration before submission of thesis. Part-time candidates have to carry out Research for at least a period of three years from the date of registration before submission of thesis. The above duration is inclusive of the Course Work and Credit Seminar.

APPLICATION FORM

FOR ADMISSION TO DOCTORATE DEGREE PROGRAMME

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

Area of Proposed Research _____

Choice of Supervisor in order of preference (If any)

a) _____
b) _____
c) _____
d) _____
e) _____

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 correspondence: _____

_____ PIN _____

d) Permanent Address _____

_____ PIN _____

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

Permanent _____

f) E-mail : _____

7. Admission Categories : General Sponsored SC ST OBC
Others

8. Categories in Ph. D Program (Tick Appropriate Category)

Full-time Institute Research Scholar. (FIR)

Full-time Research Scholar and paid by Government/Semi-Government Organization (FRS)

Full-time sponsored candidate. (FSC)

Part-time Institute faculty Staff. (PIS)

Part-time Project Staff. (PPF)

Part-time External candidate. (PEC)

Full-time Self-financing candidate (FSF)

Full-time Study leaves candidate (FSL)

9. Whether GATE qualified : Yes No

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

Branch

Validity Period

GATE Percentile

11. Details of Qualifying Examinations

| 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 Semesters) | | | | |
| M. E. / M. Tech./ M.Sc / M.B.A. or Equivalent Examination | | | | |
| 1 st YEAR | | | | |
| 2 nd YEAR | | | | |
| CGPA/Aggregate Percentage of M. E. / M. Tech. / M.Sc / M.B.A or Equivalent Exam (All Semesters) | | | | |

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

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

14. List of publications, if any: (Re-prints should be produced before the interview committee. Attached separate sheet if necessary)

15. Experience, if any:

- (i) Research and Development (Brief description of any specific research & development work carried out along with the supporting documents. Attached separate sheet if required)

- (ii) Teaching at Post Graduate level: Duration in year –
Subjects taught –

16. The following details to be filled in by the candidates of part-time external category:

- (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:

17. 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 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 later 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 Doctoral Program and that I should be devoting full time to my Doctoral 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 semester) and M.E. / M. Tech. or Equivalent Examination (all semester). 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. If not already passed, give likely date of announcement of result. In such cases the aggregate marks of previous semesters must be mentioned.
4. Candidates are required to attach all the relevant certificates including experience and sponsorship certificates.

APPENDIX – I

The Sponsorship Letter for Full-Time Candidates

(This should be typed on letterhead of the Sponsoring Organization)

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

Sub. : Sponsoring of an Employee for Ph. D. Programme

Dear Sir,

We hereby sponsor candidature of Shri/Kum/Smt. _____,
who is an employee in our Organization, for joining Ph. D. Programme in
_____at your Institute as a FULL-TIME candidate.

We shall bear the total expenses of his/her studies. We shall fully relieve him/her of his/her duties in the Organization for the complete duration of Ph. D. Programme to enable him/her to devote full-time to the studies (minimum three years).

Signature of Head of Organization with Seal

APPENDIX – II

The Relieving Letter in case of Full Time Research Scholar

(This should be typed on a letterhead of the Organization)

To,

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

Sub. : Relieving an employee as Full Time Research Scholar

Dear Sir,

We hereby relieve Shri/Smt./Kum. ____, an employee of this Organization, on full pay leave for joining Ph. D. Programme at SVNIT, Surat for a period of _____ years. (at least three years)

Signature of Head of the Organization with Seal

APPENDIX-III

The Sponsorship Letter for Part-Time Candidates

(This should be typed on letterhead of the Sponsoring Organization)

To,

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

Sub. : Sponsoring of an Employee for Ph. D. Programme

Dear Sir,

We hereby sponsor candidature of Shri/Kum/Smt. _____,
who is an employee in our Organization, for joining Ph. D. Programme in
_____ at your Institute as a PART-TIME candidate.

We shall bear the total expenses of his/her studies. We shall fully relieve him/her of his/her duties in the Organization for any one semester (unless an exemption is granted by the institute) during the first year of Ph. D. Programme to enable him/her to devote full time to the studies.

Signature of Head of Organization with Seal

APPENDIX – IV

The Relieving Letter for Part-Time Candidates

(This should be typed on letterhead of the Sponsoring Organization)

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

Sub. : Relieving an employee as Full-
-Time Research Scholar

Dear Sir,

We hereby relieve Shri/Smt./Kum. _____,
an employee of this Organization, on full pay leave for joining Ph. D. Programme at
SVNIT, Surat for a period of _____ months. (at least one semester).

Signature of Head of Organization with Seal

APPENDIX – V

The Relieving Letter for Candidates Joining on Study Leave

(This should be typed on letterhead of the Organization)

To,

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

Sub. : Relieving an Employee on Study Leave

Dear Sir,

We hereby relieve Shri/Kum/Smt. _____,
an employee of this Organization on Study Leave without any financial assistance
for joining Ph. D. Programme at SVNIT, Surat for a period of _____years
(minimum three years).

Signature of Head of Organization with Seal

APPENDIX – VI

Current Fee* Structure of Ph. D. Programme

SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY,SURAT-395007

**FEE STRUCTURE OF PhD COURSE
FOR THE ACADEMIC YEAR 2012-2013
(ALL BRANCHES)**

| Sr. No. | Particulars | Ph.D. | | | | | | | |
|---------|---|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | | 1 st Sem | 2 nd Sem | 3 rd Sem | 4 th Sem | 5 th Sem | 6 th Sem | 7 th Sem | 8 th Sem |
| 1 | Tuition Fee | 17500 P.T. | 17500 P.T. | 17500 P.T. | 17500 P.T. | 17500 P.T. | 17500 P.T. | 7500 P.T. | 7500 P.T. |
| 2 | Other Fees (inclusive of Exam,Lib. & other fees) | 3000 P.A | -- | 3000 P.A. | | 3000 P.A. | | 3000 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 | -- | -- | -- | -- | -- | -- | -- |
| | TOTAL | 27500/- | 17500/- | 20500/- | 17500/- | 20500/- | 17500/- | 10500/- | 7500/- |

At the time of the synopsis submission, Rs. 3000/- for exam fees and Rs.2000/- for the Convocation would be applicable.

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