SARDAR VALLABHBHAI
NATIONAL INSTITUTE OF TECHNOLOGY
SURAT

ADMISSION INFORMATION BROCHURE

MASTER OF TECHNOLOGY
(For Sponsored category)

ACADEMIC SESSION 2019-2020

CONTENTS

01   THE INSTITUTE

The SardarVallabhbhai National Institute of Technology (SVNIT), Surat is one of the twenty National Institutes of Technology in India setup with the objectives of making available facilities for higher education, research and training in various fields of engineering and Technology, including Sciences and management.

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, a UG programme in Electronics Engineering was introduced. In the year 1988-89, two UG programmes in Computer Engineering and Production Engineering were started. In the year 1995-96, a UG programme in Chemical Engineering was introduced. At present, the Institute is offering six UG Programmes with an intake of 800 (approx.) students.

In addition to the above, 21 students are admitted through Government of India from other countries and 104 students through the DASA (Direct Admissions Students Abroad) scheme. The Institute is, at present, offering 17 approved M.Tech. programme with an intake of 25 students in each programme and three Five-Year integrated M.Sc. Programmes with an intake of 60 each in the department of Applied Physics, Applied Chemistry and Applied Mathematics.

02   POST GRADUATE PROGRAMMES

The Institute offers Post Graduate Programmes, in various disciplines. The aim of the Programmes is to train the students in high level theoretical knowledge that enable them to tackle practical complex problems of design and development in the industrial fields as well as pursue further academic achievements through research. Enough flexibility is provided in the structure of the Programmes in respect of lecture courses, laboratory and project work to help the students achieve the above mentioned aim. The Departments are equipped with sufficient facilities for these purposes.

The following full-time M.Tech. courses are being offered in the Institute at different Departments.

Civil Engineering Department and Applied Mechanics Department

(a)   Soil Mechanics and Foundation Engineering
(b)   Structural Engineering
(c)   Environmental Engineering
(d)   Transportation Engineering and Planning
(e)   Urban Planning
(f)   Water Resources Engineering

Chemical Engineering Department

(a)   Chemical Engineering

Computer Engineering Department

(a)   Computer Engineering

Electrical Engineering Department

(a)   Power Electronics and Drives
(b)   Power Systems

Electronics Engineering Department

(a)   Communication Systems
(b)   VLSI & Embedded Systems

Mechanical Engineering Department

(a)   Mechanical Engineering
(b)   CAD/CAM
(c)   Thermal Systems Design
(d)   Turbo Machines
(e)   Manufacturing Engineering

*   *The qualifying degree eligibility criteria for the above-mentioned programmes of the different Departments of the Institute can be found in the Appendix-E of the Brochure.*

03   STUDENT AMENITIES

The Institute has fully residential campus. Hostels are available for students. Each hostel is 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. However, students admitted to M.Tech. (Research) programme are not eligible for any accommodation.

04   Admission and Eligibility Criteria for M.Tech. Programmes

4.1   SPONSORED CANDIDATES

OPEN / OBC CATEGORY :

01   B.E. / B.Tech. / B.Arch. or equivalent degree in respective discipline with minimum 60% marks (CGPA 6.5). The said percentage / CGPA The above mentioned CGPA/Percentage should be awarded by a recognized University/Institute.

02   Minimum working experience of two years after graduation. At least one year continuous experience is required with sponsoring organisation.

RESERVED SC/ST CATEGORY :

01   B.E. / B.Tech. / B.Arch. or equivalent degree in respective discipline with minimum Aggregate 55% marks (CGPA 6.0). The said percentage / CGPA The above mentioned CGPA/Percentage should be awarded by a recognized University/Institute.

02   Minimum working experience of two years after graduation. At least one year continuous experience is required with sponsoring organisation.

NOTE :

01   The serial order / merit list for the sponsored candidates, intended to occupy the stipulated vacancy would be prepared on the basis of 50% weightage for qualifying degree marks and 50% weightage for the written test / interview conducted by the concerned department of SVNIT.

02   Preference would be given to those candidates who are GATE qualified (in case of tie of marks awarded by using point 1). However, sponsored candidates will not be eligible to receive scholarship, even if they are admitted based on GATE score.

03   The candidates must have a minimum **two years of full-time work experience** in a registered firm / company / industry / educational and research institution / any Government Departments or Government Autonomous Organisations. At least one year continuous experience is required with sponsoring organisation. The teaching experience should be at par with AICTE scale prescribed for technical institution. The field experience will be counted only after completion of essential qualification for admission.

04   There will not be any age restriction. However, preference will be given to those who are below 45 years of age.

05   Admission will be given only to those eligible students, who possess their final results at the time of interview / test.

06   Admission will be given only to those candidates, who possess valid sponsorship certificate (**APPENDIX-B**) at the time of reporting in concerned departments of SVNIT for written test / interview. The Sponsored candidates, who are not able to produce 'Sponsorship Certificate' on the day of counseling, they have to submit an undertaking as per the format enclosed in

APPENDIX-C(i) or certificate from the Principal / Director of the Institution as per the format enclosed in **APPENDIX-C(ii)** [Appendix-C(ii) is applicable only to the sponsored candidates working as faculty in an academic institution] during the counseling.

07   The candidates must produce the following documents at the time of reporting in concerned departments of SVNIT for admission, otherwise their candidature will not be considered –

(i)   Appointment letter issued by the current employer and Experience Certificate of last two years.
(ii)   Salary certificate / slips of last 24 months.
(iii) Income-tax return of at least last one year and Form-16 of last two years.
(iv)   P.F. Statement of at least last one year.

Note: In case of any doubt in the genuineness of candidature, the verification committee of the concerned department may ask the candidate to produce any additional document (e.g. ID-card issued from the competent authority of employer, certified list of all employees of the company etc.). **Further, the committee is fully authorized to reject candidature of any doubtful candidate in consultation with Head of the department and Dean (Academic).**

08   The selected candidates would be required to deposit the fee within prescribed time in Account Section of the institute after getting their selection through the stated procedure. The details of fee is enclosed at **APPENDIX-A**.

09   The format for Application form is enclosed at **APPENDIX-D.**

05   Schedule of M.Tech. Admissions (Sponsored candidates), July 2018.

Commencement of receipt of Application (with photocopies of all documents)	22nd May 2019
Last date of submission of Application	21st June, 2019 (up to 05:00 p.m.)
Reporting of candidates at the respective Departments of the Institute	1st July, 2019 at 9.30 a.m.
Written Test / Interview for candidates at the respective Departments	1st July, 2019
Merit list display by the Departments on Institute website	5th July, 2019
Dates of registration and payment of fees	8th -15th July, 2019
Classes start for M.Tech. Programs	22nd July, 2019

06   APPLICATION AND COUNSELING PROCEDURE

01   The candidates for M.Tech. are required to apply **OFF LINE as per format enclosed at APPENDIX-D.**

02   All the candidates are required to remain present in respective departments of the Institute on their due date of counseling.

03   The candidates are required to bring all the certificates related to educational qualification, birth and sponsorship (if required). The Sponsored candidates, who are not able to produce 'Sponsorship Certificate' on the date of counseling, they have to fill up an **Undertaking** as per the format enclosed in **APPENDIX-C(i)** or **Certificate** from the Principal / Director of the Institution as per the format enclosed in **APPENDIX-C(ii) [Appendix-C(ii) is applicable only to the sponsored candidates working as faculty in an academic institution]** during the counseling. OBC-NCL **(non-creamy layer, central list)** certificate issued **on or after 1st April 2019** from the competent authority. OBC / SC / ST candidates are required to produce caste / tribe certificate either in English/Hindi. In case, the said certificates are in regional language, translated equivalent certificate in Hindi/English, notarized by a public notary, must be produced. In absence of these certificates, it will not be possible to conduct the counseling / interview of candidate.

04   Importantly, candidates applying for admissions under the Sponsored category have to pay an application and processing fee (Non Refundable) of Rs.2000/- (For OPEN/OBC) and Rs.1500/- (SC/ST) alongwith the Application Form. The fee has to be paid only in the form of crossed Demand Draft in favour of **"Director, SVNIT - MHRD Fund"** payable at Surat. **It is to be noted that the Demand Draft of application fee must be sent alongwith the Application form, otherwise application will be rejected.**

05   The application duly filled in all respects should be submitted to the **"Registrar, S.V. National Institute of Technology – Surat, Ichchhanath, Surat-395 007, Gujarat"** before due date (21st June 2019).

Fee Structure for Full-Time M.Tech. for academic year 2019-2020

Will be available on Institute website www.svnit.ac.in in due course

SPONSORSHIP LETTER

(This should be typed on the letter head of the sponsoring Organisation)

To,

The Director
SardarVallabhbhai National Institute of Technology
Surat-395 007.

SUB : Sponsoring of an Employee for M.Tech. Programme – July 2019

Dear Sir,

We hereby sponsor candidature of Shri / Kum / Smt. …………………………

who is an employee of our Organisation, for joining M.Tech. Programmes in

………………………........................Engineering Department at your Institute as a full

time candidate.

We shall fully relieve him/her of his/her duties in the Organisation during the

entire period of the M.Tech. Programme to enable him/her to devote full time to

studies.

_____
Signature and Seal of
Sponsoring Authority

UNDERTAKING – 1

For Submission of Sponsorship Certificate

(Only for Industries Sponsored Candidates)

I, Mr./Mrs. ………………………………………………………………………..

S/o or D/o Shri …………………………………………….. is appearing for

counseling of M.Tech. admission in the Department of …………………………………

for specialization ……………………………………. on …………………………………...

At present the sponsorship certificate from our Employer is not available to me. I

have applied for a sponsorship candidate vide my letter No. …………………………

dated …………………….. (copy enclosed*). I will be submitting the sponsorship

certificate from my employer by **September 13, 2019** otherwise I understand that my

admission from the Institute will be treated 'cancelled'.

_____

Date: Signature of the Applicant

Name :

Address :

Contact Numbers :

* It is mandatory to attach copy of the request letter submitted to the employer.

NOTE :   Sponsored candidates working as faculty in an academic institution
(Government of Gujarat) are required to submit the CERTIFICATE as
per the format given in APPENDIX-C(ii)

[Certificate to be submitted by the sponsored candidate
working as faculty in an academic institution (only Govt. of Gujarat Institution).
It is to be submitted on the Institute letter head]

Ref. No.:_____   Date: _____

CERTIFICATE

Mr./Mrs. ………………………………...…………………..is a Full Time employee and working as …………………………. in ……………………………….. Department at this Institute. He/She is interested in joining M.Tech. Programme in …………………………………. Department at SVNIT, Surat under part time / sponsored category.

He/She will be issued sponsorship certificate by the competent authority, if he/she is granted admission by SVNIT, Surat.

PRINCIPAL
(Full Name & Signature)
(Stamp and Seal)

Undertaking by the candidate:

I will submit the sponsorship certificate from my employer by **September 13, 2019** otherwise I understand that my admission from the Institute will be treated 'cancelled'.

_____
Date: Signature of the Applicant

Name :

Address :

SARDAR VALLLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY
(An Institute of National Importance)
SURAT-395 007, GUJARAT

APPLICATION FORM

FOR ADMISSION TO FULL-TIME M.TECH. PROGRAMMES IN ENGINEERING, July 2019
(For Sponsored candidates)
[Last Date of Submission of Application 21ˢᵗ June, 2019 (up to 05:00 p.m.)]
(Apply by Separate application forms for PG Programmes running in different Departments)

Registration No.
(Leave blank)

Application No.
(Leave blank)

Application Fee   **DD No.**   **Bank**

……………………………………………………………
(write the name of the Department in which applied for)

Please write the name of Specialization of M.Tech.
Programmes in order of preference.

01 …………………………………………………………..
02 …………………………………………………………..
03 …………………………………………………………..
04 …………………………………………………………..
05 …………………………………………………………..
06 …………………………………………………………..
07 …………………………………………………………..

Please paste a recent,
self-attested passport
size photograph
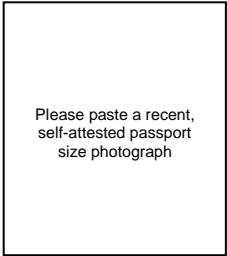
01   Name in Full : …………………………………………………………………………………………………
                (In capital letters) (exactly as per the mark-sheet of HSC/Std.XII)

02   Sex   :   M   F

03   Date of Birth (Attach Certificate)   :
                                                  Date   Month   Year

04   Age (As on May 31, 2019)   :

05   Nationality   :

06 (a) Name of the Parent/Guardian : …………………………………………………………
        (Surname)   (First Name)   (Father's Name)

   (b) Relationship : ………………………………………………………………….

   (c) Address for Correspondence : ………………………………………………………………….

        ………………………………………………………………….

        ………………………………………………………………….

        …………………………………………….PIN …………………….

   (c) Permanent Address : ………………………………………………………………….

        ………………………………………………………………….

        ………………………………………………………………….

        ……………………………………….PIN …………………….

   (d) Contact Phone No : (Mobile) …………………………………………………..

   (e) E-mail : ………………………………………………………………

07 Whether **GATE** qualified candidate : | YES | | NO | |

08 If YES, give details : | Discipline | | GATE Score | |

09 Educational Qualification details :

Qualifications	University / Institute	Year of Passing	Subject / Qualifying Degree	Division / Class	Total Maximum Marks	Marks Obtained
Madhyamik / Equivalent						
Higher Secondary/ Equivalent						
B.E./B.Tech./ (First Year)						
B.E./B.Tech./ (Second Year)						
B.E./B.Tech./ (Third Year)						
B.E./B.Tech./ (Fourth Year)						
CGPA/Aggregate Percentage of B.E./B.Tech./B.Arch.						

10 Name and Address of the present Employer :

……………………………………………………………………………………………………....

……………………………………………………………………………………………………....

……………………………………………………………………………………………………....

11 Duration of the past service experience with detail:

……………………………………………………………………………………………………....

……………………………………………………………………………………………………....

……………………………………………………………………………………………………....

……………………………………………………………………………………………………....

12   Declaration by the Candidate:

A submission of the application form confirms the fact that the above stated details filled by me are 'TRUE' and I have read the information brochure as well. If any discrepancy arises, the decision of the Institute authority will be final that I will abide. Concealing the facts will lead to rejection of my admission.

As the course is Full Time in nature so I have to attend regular classes, practical etc., as per the Institute rules for full time M.Tech. programme. I know that I have not to perform any duty during 'Academic Hours of the Schedule' at my Sponsoring Organization / any other organization.If, I will not attend the course regularly or remain absent and attend duty at my sponsoring / any other organization during academic hours of schedule, **my admission is liable to be cancelled.**

Date: _____
Place :   **Signature of the Candidate**

NOTE: Incomplete application will not be processed without assigning any reasons. Separate applications are required for admissions in different Departments.

Important Instructions for the Applicants:

All applicants are required to submit the completely filled application forms in all respects by the stipulated deadline **[21ˢᵗ JUNE, 2019 (up to 05:00 p.m.)**)]. Here, the 'all respects' means that applicants are required to submit the necessary documentary evidences in supports of the statements made in the entries of application forms.

Application form must be accompanied with the fee (Non Refundable) of Rs.2000/- (For OPEN/OBC) and Rs.1500/- (SC/ST). The fee has to be paid only in the form of crossed Demand Draft in favour of **"Director, SVNIT - MHRD Fund"** payable at Surat. It is to be noted that the Demand Draft of application fee must be sent alongwith the Application form, otherwise application will be rejected.

Please read the admission brochure carefully before submitting the application.

APPENDIX – E

Qualifying Degree Eligibility Criteria

Department	M.Tech. Programme	Qualifying Degree Eligibility (B.E./B.Tech.)	
Civil Engg. Deptt.	Urban Planning	(a)	Civil Engg. (T118)
		(b)	Transportation Urban Planning (T185)
		(c)	B.Arch. (A401)
		(d)	B. Planning (A402)
	Environmental Engineering	(a)	Civil Engg. (T118)
		(b)	Environmental Engg. (T142)
	Water Resources Engineering	(a)	Civil Engg. (T118)
		(b)	Agriculture Engg. (T103)
		(c)	Irrigation Engg. (T153)
		(d)	Water Management (T186)
	Transportation Engg. & Planning	(a)	Civil Engg. (T118)
Applied Mech. Deptt.	Structural Engineering	(a)	Civil Engg. (T118)
		(b)	Structural Engg. (T180)
	Soil Mechanics & Foundation Engg.	(a)	Civil Engg. (T118)
		(b)	Building and Construction Technology (T114)
		(c)	Structural Engg. (T180)
Mechanical Engg. Deptt.	Mech. Engg.	(a)	Mech. Engg. (T158)
		(b)	Prod. Engg. (T177)
		(c)	Industrial Engg. (146)
		(d)	Prod. & Industrial Engg. (T176)
		(e)	Automobile Engg. (T108)
	CAD / CAM	(a)	Mech. Engg. (T158)
		(b)	Prod. Engg. (T177)
		(c)	Industrial Engg. (146)
		(d)	Automobile Engg. (T108)
	Thermal System Design	(a)	Mech. Engg. (T158)
		(b)	Automobile Engg. (T108)
	Turbo Machines	(a)	Mech. Engg. (T158)
		(b)	Aeronautical Engg. (T101)
		(c)	Aerospace Engg. (T102)
	Manufacturing Engineering	(a)	Mech. Engg. (T158)
		(b)	Industrial Engg. (146)
		(c)	Industrial Engg. & Management (T147)
		(d)	Machine Engg. (T271)
		(e)	Machine Tools Engg. (T272)
		(f)	Manufacturing Engg. (T155)
		(g)	Manufacturing Engg. & Automation (T353)
		(h)	Manufacturing Process (T274)
		(i)	Manufacturing Process & Automation Engg. (T354)
		(j)	Manufacturing Science &Engg. (T275)
		(k)	Manufacturing Technology (T355)
		(l)	Mechanical & Automation Engg. (T279)
		(m)	Mech. Engg. (Design & Manufacturing) (T357)
		(n)	Prod. & Industrial Engg. (T176)
		(o)	Prod. Engg. & Management (T178)
		(p)	Tool Engg. (T321)
		(q)	Prod. Engg. (T177)
Electrical Engg. Deptt.	Power Electronics & Drives	(a)	Electrical Engg. (131)
		(b)	Electrical & Electronics Engg. (T129)
		(c)	Electrical & Electronics (Power Systems) (T340)
		(d)	Elect. Engg. & Instrumentation Control (T227)
		(e)	Electrical Engg. (Power) (T132)
		(f)	Elect. Instrumentation & Control Engg. (T230)
		(g)	Power Electronics & InstrumentationEngg. (T379)
		(h)	Power Engg. (T300)
		(i)	Instrumentation & Control Engg. (T150)
		(j)	Electronics Engg. (T138)
		(k)	Power Electronics (T175)

Department	M.Tech. Programme		Qualifying Degree Eligibility (B.E./B.Tech.)
	Power Systems	(a)	Electrical Engg. (131)
		(b)	Electrical & Electronics Engg. (T129)
		(c)	Electrical & Electronics (Power Systems) (T340)
		(d)	Elect. Engg. & Instrumentation Control (T227)
		(e)	Electrical Engg. (Power) (T132)
		(f)	Electrical Power Engg. (T133)
		(g)	Power Electronics & Instrumentation Engg. (T379)
		(h)	Energy Engg. (T139)
		(i)	Power Electronics (T175)
		(j)	Power Engg (T300)
		(k)	Electrical & Power Engg. (T229)
Electronics Engg. Deptt.	**Communication Engg.**	(a)	Electronics Engg. (T138)
		(b)	Telecommunication Engg. (T181)
		(c)	Comm. Engg. (T210)
		(d)	Electrical & Electronics Engg. (T129)
		(e)	Electronics & Computer Engg. (T233)
		(f)	Electronics & Electrical Comm. Engg. (T235)
		(g)	Electronics & Electrical Engg. (T236)
		(h)	Electronics & Information Systems (T237)
		(i)	Electronics & Comm. Engg. (T135)
		(j)	Electronics & Telecomm. Engg. (T137)
		(k)	Electronics & Telematics Engg. (T239)
		(l)	Electrical Engg. (T131)
		(m)	Chemical Engg. (T117)
	VLSI & Embedded Systems	(a)	Electronics Engg. (T138)
		(b)	Electronics Engg. (Design & Manufacturing) (T342)
		(c)	Telecommunication Engg. (T181)
		(d)	Communication Engg. (T210)
		(e)	Computer Engg. & Application (T213)
		(f)	Computer Science &Engg. (T122)
		(g)	Computer Science &Systems Engg. (T215)
		(h)	Computer & Comm. Engg. (T211)
		(i)	Computer Science & Technology (T216)
		(j)	Electrical & Electronics Engg. (T129)
		(k)	Electronics & Computer Engg. (T233)
		(l)	Electronics & Control Systems (T234)
		(m)	Electronics & Electrical Engg. (T236)
		(n)	Electronics & Electrical Comm. Engg. (T235)
		(o)	Electronics & Comm. Engg. (T135)
		(p)	Electronics & Information Systems (T237)
		(q)	Electronics & Telecomm. Engg. (T137)
		(r)	Electronics & Telematics Engg. (T239)
		(s)	Electronics Design Technology (T241)
		(t)	VLSI system Design (T323)
		(u)	Computer Engg. (T120)
		(v)	Robotics & Automation (T307)
		(w)	Electrical Engg. (T131)
Computer Engg.	**Computer Engg.**	(a)	Computer Engg. (T120)
		(b)	Computer Science (T121)
		(c)	Computer Science & Engineering (T122)
		(d)	Computer Technology (T124)
		(e)	Information Technology (T149)
		(f)	Electronics & Comm. Engg. (T135)
		(g)	Electronics Engineering (T138)
		(h)	Computer Engg. & Application (T213)
Chemical Engg.	**Chemical Engg.**	(a)	Biochemical Engineering-(T109)
		(b)	Chemical Engineering-(T117)
		(c)	Electro-Chemical Engineering-(T134)
		(d)	Environmental Engineering-(T142)
		(e)	Material Science & Engineering-(T157)
		(f)	Petrochemical Engineering-(T170)
		(g)	Polymer Science & Rubber Technology-(T172)
		(h)	Polymer Science & Technology-(T173)
		(i)	Polymer Technology-(T174)

Department	M.Tech. Programme	Qualifying Degree Eligibility (B.E./B.Tech.)	
		(j)	Biotechnology & Biochemical Engineering-(T201)
		(k)	Chemical & Polymer Engineering-(T205)
		(l)	Chemical Technology -(T207)
		(m)	Environmental Science & Engineering-(T248)
		(o)	Food Engineering-(T254)
		(p)	Food Processing & Preservation-(T255)
		(q)	Industrial Biotechnology-(T262)
		(r)	Paint Technology-(T295)
		(s)	Petroleum Engineering-(T296)
		(t)	Plastics Engineering-(T298)
		(u)	Rubber Technology-(T308)
		(v)	Polymer Engineering and Technology-(T310)
		(w)	Biochemical & Biotechnology Engineering-(T333)
		(x)	Chemical & Bio Engineering-(T334)
		(y)	Chemical Engineering (Plastic & Polymer)-(T335)
		(z)	Petrochem and Petroleum Refinery Engineering-(T365)
		(aa)	Petro-Chemical Technology-(T366)
		(ab)	Petroleum Technology-(T367)
		(ac)	Polymer Science & Chemical Technology-(T378)
		(ad)	Petrochem Engineering-(T399)
		(ae)	Petrochem Technology-(T400)

*   The qualifying degree list for the M.Tech. admission 2019 is on the lines of the CCMT-2019 (www.ccmt.nic.in). If any difference arises in the qualifying degree nomenclature, the CCMT nomenclature will prevail.