

Information Brochure
for
Ph.D. Programme

2009-2010



Indian Institute of Technology Gandhinagar
Vishwakarma Government Engineering College Campus,
Chandkheda, Visat-Gandhinagar Highway,
Ahmedabad, Gujarat, India – 382424.

Webpage: <http://www.iitgn.ac.in/phd.htm>; **Email:** phd.application@iitgn.ac.in

Phone: +91 - 79 - 2397 2583; **Fax:** +91 - 79 - 2397 2586



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Important Information:

- **PLEASE READ THE INSTRUCTIONS GIVEN IN THE BROCHURE CAREFULLY BEFORE YOU FILL IN THE APPLICATION FORM.**
- **Application forms for admission to Ph.D. Programme can be obtained & submitted throughout the year. Such applications will be processed from time to time.** Candidates can mention upto **THREE** disciplines (in order of preferences) in one application form. For further choices, if any, additional forms may be used. **Those who are applying for multiple disciplines are required to submit as many sets of complete application materials.**
- Along with the Application form, candidates are required to submit:
 - a) Statement of Purpose Form
 - b) Recommendations Letters (At least Two)
- Application form along with formats for Statement of Purpose (SoP) and Letters of Recommendations can be downloaded from **<http://www.iitgn.ac.in/phd.htm>**
- Along with application material each applicant is required to submit a Demand Draft of Rs.300/- (Rs.150/- for SC/ST candidates) drawn in favour of **“IIT Gandhinagar”** and payable at **State Bank of India, IIT Chandkheda branch**. A candidate applying for more than three disciplines have to submit additional draft. **Please indicate your name, email address, category & discipline(s) in which you are applying on the reverse side of the Demand Draft.**
- Please mail the completed application form and attached documents to the following address in a **big size envelope (27 cm x 20 cm) without folding the application materials**. The envelope should be marked **“PhD Application for Discipline”**.

Dean (Academic Programme)
Indian Institute of Technology Gandhinagar
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India – 382424

- Additionally, a **filled-in/scanned** electronic copy of your application form should be emailed to **phd.application@iitgn.ac.in** . Mention **“PhD Application for Discipline”** in the email subject line.

Important Note :

As per the directives received from the Hon'ble Supreme Court of India, if an incident of ragging comes / brought to the notice of the institute authority, the student involved shall be given liberty to explain. And if his/ her explanation is not found satisfactory, the Institute authority would expel him/her from the institution.



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1) THE INSTITUTE

IIT Gandhinagar (IITGn) is one among the new IITs started from the academic year 2008-09. It is located at Chandkheda, about 15 minutes drive from both Ahmedabad and Gandhinagar. Ahmedabad is known for its excellent infrastructure with thriving industries, prestigious academic and research institutes and an ambiance which encourages excellence and entrepreneurship. Currently the Institute is functioning from the premises of the Vishwakarma Government Engineering College.

The Institute has excellent facilities in terms of classrooms, laboratory spaces, faculty offices, etc. IIT Gandhinagar currently offers a 4-year B. Tech. programme in the Chemical, Electrical and Mechanical engineering branches. It also offers Ph.D. programme in several disciplines in Engineering (Chemical, Electrical and Mechanical), Sciences (Chemistry and Physics) and Humanities & Social Sciences (Economics/Finance, English, Philosophy and Sociology). The undergraduate curriculum is currently similar to that of IIT Bombay with some modifications.

2) SOME IMPORTANT FAQs FOR STUDENTS

General Information

Q Where is IIT Gandhinagar located?

A Currently the Institute is functioning from the premises of Vishwakarma Government Engineering College, Visat-Gandhinagar Highway, Chandkheda, Ahmedabad – 382424, Gujarat.

Q Where is this temporary campus located?

A The Vishwakarma Government Engineering College is located in Chandkheda on Visat-Gandhinagar Highway, approximately 10 km from Ahmedabad Airport and 14 km from Ahmedabad Railway Station.

Q How does one reach Chandkheda from Ahmedabad airport or railway station?

A A taxi ride would cost about Rs 250/- from the airport. The most common transportation is an auto rickshaw. Typical fare from Ahmedabad railway station to Chandkheda by auto rickshaw is Rs. 70 to Rs. 80.

Q How far are facilities like a post office and banks from the institute?

A A post office is located within walking distance from the institute. There are several banks within half a kilometer radius from the college. The IIT Gandhinagar branch of State Bank of India is also operational now and is just across the street from the Institute.



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Q Will there be internet facility? What about computer terminals?

A Yes, adequate internet facilities are available. There are numerous terminals and a computer laboratory operating within the premises. Students' hostel also has been equipped with WiFi internet facility.

Q What is the climate like in Gandhinagar?

A Gandhinagar has generally a dry climate apart from the monsoon months of June to September. March to June are hot summer days with average maximum temperature of about 36°C while the months of November to February are winter with temperature ranging between 15°C to 30°C, which can occasionally drop to 5°C.

Academics

Q In what way is IIT Bombay associated with IIT Gandhinagar?

A Each of the new IITs that are being established is to be mentored by an existing IIT. IIT Gandhinagar is being mentored by IIT Bombay.

Q Do we have faculty to teach?

A Yes, IIT Gandhinagar has already recruited some outstanding faculty members. These include both senior academicians and young PhDs.

Q What about laboratories?

A The first and second year laboratories are in place. Teaching laboratories for the third year are currently being set up.

Q Will there be a library?

A Yes, books that are required as texts and references are available in the library.

Living

Q What about hostel facilities?

A Fully furnished accommodation facilities for all the students are available in the building complex across the street from the Institute.

Q Is there accommodation for girl students?

A Yes. Accommodation for girl students is also available.

Q What is the arrangement for food?

A Food services has been outsourced to a top caterer. A highly qualified nutritionist ensures that the students are provided healthy food.



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Q What will be the living expenditure?

A The expenditure pattern is similar to that of other big cities. Apart from the Institute fees which are payable every semester, the anticipated expense per month should be about Rs 3000 including messing charges.

Q Are there recreational facilities?

A A highly qualified physical education instructor is on staff to train the students. Grounds are available for football, cricket, volleyball and basketball. Facilities for indoor games such as badminton and table-tennis have also been made available. A modern multi-purpose gym is available along with gym instructor.

Q What about medical facilities?

A Primary medical facilities through OPD are provided and a (lady) doctor is available round-the-clock for any medical needs of our students. Health insurance to all students for their medical needs is being provided through Bajaj Allianz. The Institute has also made suitable arrangements with top hospitals in Ahmedabad and Gandhinagar for cases requiring hospitalisation.

3) Ph.D. PROGRAMME

The academic programme leading to the Ph.D. degree is broad-based and involves a minimum course credit requirement and research thesis. Interdisciplinary research through a system of joint supervision and interdepartmental group activities is also encouraged. The presence of a strong research oriented faculty provides an excellent opportunity for excellent research training. The Institute aims to undertake sponsored research and development projects from industrial and other organizations in public as well as private sector. Research laboratories are in the process of being set up. Additionally, whenever necessary, facilities at IIT Bombay can be utilized.

Initially the facilities for research work leading to the Ph.D. degree will be available in the **Engineering disciplines** of Chemical, Electrical and Mechanical; in **Science disciplines** of Chemistry and Physics and **Humanities and Social Sciences disciplines** of Economics/Finance, English, Sociology, Philosophy. Prospective candidates are encouraged to visit the IITGn website for information regarding the research interest of faculty members.

4) MINIMUM QUALIFICATIONs FOR ADMISSION

One of the following in appropriate areas:

- A. First class or equivalent Master's Degree in Engineering / Technology (55% for SC/ST)
- B. A First class Master's degree (55% for SC/ST) in Science or a first class in Bachelor's degree in Engineering/Technology (55% for SC/ST).



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- C. A First class Master's degree (55% for SC/ST) in Arts/Commerce OR a first class in Bachelor's degree in Engineering/Technology (55% for SC/ST).

Candidates meeting the above mentioned requirement must also fulfill one of the following additional requirements :

- Valid GATE score
- CSIR / UGC / NBHM / DBT award
- Minimum 2 years of professional work experience.

5) REQUIREMENTS FOR TA/RAship :

- A. Candidates with Master's Degree in Engineering / Technology are eligible for TA/RAship. Candidates without Master's Degree in Engineering / Technology require either a valid GATE score or CSIR/UGC/NBHM/NBT award to be considered for TA/RAship.
- B. Candidates having B.Tech. degree from IIT with CGPA/PCI score of 8.0/10 are exempted from the requirement of GATE clearance. They are admitted to Ph.D. programme through normal procedure for selection of candidates for TA positions, as per rule.
- C. Humanities & Social Sciences:
First class or 60% marks (55% for SC / ST) or equivalent letter grade in :
- (i) M.A. / M.Com. or equivalent degree OR
 - (ii) M.Sc. / Graduate Degree in Engineering / Technology may be considered for research areas consistent with the academic background and special interests OR
 - (iii) M.Phil. degree in any of the disciplines (pertaining to the research areas of faculty or, in any allied subjects.

6) DURATION/FELLOWSHIP

Duration: Minimum 2 yrs. from the date of confirmation of registration (3 yrs. for External candidates) & Maximum 6 yrs.

Fellowship: Payable for duration fixed by the MHRD or date of submission of thesis, whichever is earlier.

7) CATEGORIES OF Ph.D CANDIDATES

The Institute admits Ph.D. candidates under the following categories:

7.1. FULL-TIME RESEARCH SCHOLAR:

- i. Institute Research Scholars with Teaching Assistant (TA)



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- ii. Govt./Semi Govt. Fellowship Awardees (F/A)
(QIP, CSIR, UGC, DAE, DST, DBT, NBHM, etc.)
- iii. Sponsored candidates (SW)
- iv. Self-financed (Indian/Foreign)/Study Leave (SF)
- v. Indian Council for Cultural Relations (ICCR) Awardees (Foreign Students)

7.2. PART-TIME RESEARCH SCHOLAR:

- i. Institute Faculty / Staff (IS)
- ii. Project Staff (PS)
- iii. Research Assistants (RA)
- iv. External candidates (Sponsored) (EX)
- v. Candidates from Colleges / Educational Institutes (CT)

FULL-TIME RESEARCH SCHOLAR:

7.1.1 Institute Research Scholars (Teaching Assistants –TA):

Students under this category are entitled for Institute Teaching Assistantship. (*Please refer Item No. 10 for financial support*)

7.1.2 Govt./Semi Govt. Fellowship Awardees (QIP, CSIR, UGC, DAE, DST, DBT, NBHM, etc.):

These candidates are financially supported under various Govt. / Semi Govt. schemes. The admission procedure and other requirements are same as applicable to Institute Research Scholars.

7.1.3 Sponsored Candidates (SW):

These candidates are sponsored by recognized R&D organization for doing research work in the Institute on full time basis. Candidates are expected to be released for full time research work at the Institute for a minimum period of three years. **They will not receive any financial support from the Institute.** Sponsorship letter (Appendix I) should be attached to the application form.

7.1.4 Self Financed (Indian / Foreign) / Study Leave (SF):

- a) **Indian:** Persons with experience and with good track record are admitted along with the regular research students through the usual admission procedure but **they would not get any financial support from the Institute. This is Non-residential student category and they will not be provided hostel accommodation on campus.** If admitted, these students have to complete their programme within prescribed time without any financial support from the Institute.
- b) **Foreign:** These students are admitted through Embassy of the respective Govt. after getting approval from the Ministry of External Affairs and no objection certificate from Ministry of Human Resources Development, Department of Education, Govt. of India.
- c) **Study Leave:** Candidates who are released from Governmental or educational institutions on study leave for a period not less than three years for doing research work at the Institute. Employer's letter (Appendix II) should be produced at the time of joining, if selected.



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7.1.5 Indian Council for Cultural Relations (ICCR) Awardees (Foreign Nationals) (FN):

These students are sponsored by their Governments and awarded scholarship by them. They should apply for admission through Indian Embassy in their country.

PART-TIME RESEARCH SCHOLAR

7.2.1 Institute Faculty / Staff (IS):

(only for permanent staff members of the Institute)

Refers to candidates who are permanent employees of the Institute with more than 2 years of service left to their retirement are admitted to the Ph.D. Programme.

7.2.2 Project Staff (PS; only for Project Staff members of the Institute):

Refers to candidates who are working on various Projects undertaken by the Institute and admitted to the Ph.D. programme, if the duration of the Project at the time of admission is around 3 years.

7.2.3 Research Assistantship (RA):

Depending upon the requirements, each Department may induct **one** Research Assistant every year. Students under this category are entitled for Institute Research Assistantship. *(Please refer Item No. 10 for financial support)*

7.2.4 External Candidates (Sponsored) (EX):

After fulfilling one semester (M.Tech. / M.E. / equivalent) or two semesters (B.E. / B.Tech. / M.Sc. or equivalent) of residential requirement at the Institute, these candidates will be allowed to register for Ph.D. with a supervisor from the Institute (Internal) and other from their parent organization (External) where they will be doing the research work. Sponsorship certificate from the organization (Appendix III) must be attached, to the application form.

7.2.5 Candidates from Colleges / Educational Institutes (CT):

(Candidates admitted under this category will be treated on par with Self-finance category as far as payment of fees and deposits are concerned.)

- a) They are carrying-out Research work during week-ends, holidays and vacations, at the Institute premises.
- b) After fulfilling one (M.Tech. / M.E. / equivalent) or two semesters (B.E. / B.Tech. / M.Sc. or equivalent) of residential requirement at the Institute, these candidates will be allowed to register for Ph.D. with a supervisor from the Institute (Internal) and other from their parent organization (External) which is optional based on recommendations of the supervisor and respective Programme Committee (PGC). Sponsoring certificate from the organization (Appendix-III) must be attached to the application form.
- c) Place of work will be the IITGN premises even though candidate may be carrying out part of work at their College/Institute. These candidates are required to be available to the Supervisor (Internal) during week-ends, holidays and vacations.



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8) ADMISSION PROCEDURE

8.1 Admission is offered on the basis of an interview, supplemented by a written test if necessary.

Regular candidates called for the Test / Interview under Teaching Assistantship (TA) category will only be paid to and fro single second class railway fare by the shortest route from their place of residence to the Institute / venue of the Test / Interview. They have to produce evidence (railway ticket) in support of their claim.

No other categories of candidates are eligible for Traveling Allowance.

8.2 Admission of External Candidate (Sponsored) (EX):

The candidates desirous of pursuing Ph.D. programme while in employment should apply for admission as external candidates. **The minimum qualifications and other eligibility criteria for admission are the same as for regular full time students.** It should be noted that the Ph.D. programme of this Institute will be the same for both, for a regular (TA) students as well as for an external candidates. However, the following additional conditions are to be noted/fulfilled by the external candidates.

8.2.1 The Institute will decide the competence of these candidates along with the regular candidates.

8.2.2 The following certificates must be submitted by the candidate along with the application form.

- a) Sponsorship certificate from the organization in which he / she is employed, identifying the supervisors (internal and external) and giving an undertaking that the candidate would be released from his / her normal duties to fulfill the residential requirements. The prescribed format for the certificate is given in Appendix-III.
- b) Details of facilities relevant to the research programme available in the organization, duly certified by the sponsoring authority.
- c) A certificate stating that these facilities will be made available to the candidate by the organization.

8.2.3 The candidate is required to fulfill one (M.Tech. / M.E. /equivalent) or two semesters (B.E. / B.Tech. / M.Sc. or equivalent) of residential requirement at the Institute.

8.2.4 To promote interaction and association of the Institute Faculty and the external organization concerned, meeting between the two supervisors (internal and external) should be arranged at least once in a year in the Institute or in the sponsoring organization to ensure a continuous



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dialogue and participation in the joint supervision programme. These meetings could also be arranged during the stay of the candidate as mentioned in 8.2.3 above.

8.2.5 The Ph.D. registration of an external candidate would be reviewed at the end of each year from the date of registration in terms of his progress in courses / seminars / approved research programme by a Research Progress Committee (RPC).

8.2.6 The facilities of external registration are for those who are working in well-equipped scientific institutions, laboratories, R&D establishments and industrial organizations engaged in research based activities.

8.2.7 Persons working in colleges / universities are eligible for registration as external candidates, provided he / she fulfills the requirements stated under 8.2.1 to 8.2.3 above and produces a letter from the University (as in Appendix IV) stating that the University has no objection for IIT Gandhinagar awarding the Ph.D. degree.

8.2.8 For fulfilling the residential requirements during the first semester, a candidate will have to produce a certificate from his / her employer that he / she has been fully relieved from normal duties during the semester(s) to complete the residential requirement at IIT Gandhinagar. **This certificate is to be produced at the time of joining the programme.**

9) PAYMENT OF FEES AND DEPOSITS

Various fees and deposits for the programme are given in Appendix V.

10) FINANCIAL SUPPORT

Students joining Ph.D. programme will be considered for Teaching / Research Assistantship based on the following norms:

10.1 Institute Teaching Assistantship(TA):

(On roll employees of any organizations with or without pay are not eligible for admission under this category).

10.1.1 Those students having B.E. / B.Tech. / B.Arch / B.Sc.(Engg)/ M.Sc. / M.A. / M.Com. or equivalent and who have either a valid GATE or National Level test-UGC / CSIR / NBHM / DBT etc. (JRF ship) will be considered for monthly assistantship of Rs. 12,000/- for first 2 years and @ enhanced rate of Rs. 14,000/- for remaining 3 years.

10.1.2 Those student having M.Tech. / M.E. / M.Arch / M.Sc.(Engg) or equivalent/ M.Phil./ M.B.B.S / MD / MS and Management students with M.B.A. qualification with Engineering / Technical



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background will be considered for monthly assistantships of Rs. 14000/- for first 2 years and @ enhanced rate of Rs. 15,000/- for remaining two years.

10.1.3 Management students with M.B.A. qualification with Science /Commerce background will be considered for monthly assistantships of Rs. 12,000/- for first 2 years and @ enhanced rate of Rs.14,000/- for remaining three years.

10.1.4 The assistantship is payable for maximum period of 5 years for candidates with B.E./ B.Tech./ M.Sc. as qualifying degree & maximum period of 4 years for candidates with M.E. / M.Tech. as qualifying degree or date of submission of thesis, whichever is earlier.

10.1.5 To get Teaching Assistantship, the students concerned must assist in teaching or research work, as assigned by the Institute, **to the extent of 8 hours of work per week.**

10.2 Institute Research Assistantship (RA):

(On roll employees of any organizations with or without pay are not eligible for admission under this category)

10.2.1 Students with B.E. / B.Tech. / M.Sc. or equivalent qualification and valid GATE / CSIR/ UGC/NBHM / DBT etc. (JRF ship) offer will only be considered for Assistantship.

10.2.2 The amount of monthly Assistantship for students who have B.E./ B.Tech./ M.Sc. or equivalent qualifications: Rs. 14,000/- for first two years and Rs. 16,000/- for next three years. The amount of assistantship for student who have M.E. /M.Tech. / M.Phil. or equivalent qualification: Rs. 16,000/- for first two years & Rs. 17,000/- for next three years.

10.2.3 The assistantship is payable for maximum period of 5 years (irrespective of qualifying degree) or date of submission of thesis, whichever is earlier.

10.2.4 These Research Assistants have to look after the laboratories and also assist in teaching or research work or other work assigned by the Head of the Department and/or Convener, DPGC / PGC. **They are required to work for about 16-20 hours a week. They have to complete the Ph.D. programme in five years.**

The continuation of the assistantship (TA/RA) will be subject to satisfactory performance of the duties assigned by the Department and/or Convener, DPGC/PGC as well as satisfactory academic performance.

As per MHRD directives, the employees of any organizations undergoing Ph.D. / Post-Graduate Programmes by availing study leave with or without pay are not eligible for Teaching/Research Assistantships. Such candidates, if found suitable, will have to complete their programme as Self Finance / Sponsored full time or part time, as the case may be.



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Students getting assistantships (TA/RA) from the Institute can join projects sponsored by external agencies like Aeronautics Research & Development Board (ARDB), Department of Science & Technology (DST), Council for Scientific & Industrial Research (CSIR) etc. and obtain corresponding fellowships in lieu of TA/RA ship.

11) REGISTRATION FOR THE PH.D DEGREE

After a candidate has been admitted to the Institute, she/he has to make an application on a prescribed form for registration for the Ph.D. degree. This application will be considered by the Postgraduate Committee (PGC) which will make appropriate recommendations to the Academic Council regarding (a) the course work prescribed for the candidate, and (b) the date of registration.

As per rules, registration is confirmed after successful completion of course credit requirements. The period of validity of Ph.D. registration for all candidates is six years from the date of confirmation of registration.

12) SUBMISSION OF THESIS AND AWARD OF DEGREE

Subject to fulfilling the course credit requirements and other conditions as may be laid down from time to time, the candidate may submit the Ph.D. thesis after two years from the date of registration (3 years for external candidates).

The thesis is examined by at least two referees from outside the Institute. The Academic Council examines the reports of the referees and on acceptance of the thesis, appoints a Board of Examiners to conduct a viva-voce examination at which a candidate is required to defend the thesis.

On the basis of the report of the Board of Examiners, the Senate decides the student's eligibility for award of the degree of Doctor of Philosophy.



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13) DISCIPLINE-WISE ELIGIBILITY CONDITIONS FOR ADMISSION

In addition to the requirements mentioned in (4) above, following are the discipline-wise eligibility requirements for admission to PhD programme.

CHEMICAL ENGINEERING	<p>First Class or 60% marks (55% for SC / ST) in :</p> <p>i) BTech/MTech or equivalent degree in Chemical Engineering OR</p> <p>ii) B.Tech./M.Tech. or equivalent degree in other branches of Engineering may be considered in areas consistent with the research areas of the department OR</p> <p>iii) M.Sc. in disciplines consistent with the research areas of the department.</p> <p>Candidates with Bachelor's degree in Engineering or Masters degree in Science must have a valid GATE score to become eligible for the Teaching/Research Assistantship provided by the Institute.</p>
CHEMISTRY	<p>First Class or 60% marks (55% for SC / ST) in :</p> <p>M.Sc. or equivalent degree in Chemistry / Physics / Biochemistry / Life Sciences/ Pharmacy / Material Science / Biotechnology.</p> <p>Candidates with Masters degree in Science must have a valid GATE score to become eligible for the Teaching / Research Assistantship provided by the Institute.</p>
ELECTRICAL ENGINEERING	<p>First Class or 60% marks (55% for SC / ST) in :</p> <p>1. B.E. / B.Tech. / M.E. / M.Tech. or equivalent degree in Computer Science, Computer Science & Engineering, Computer Engineering, Electrical Engineering, Electronics Engineering, Engineering Physics, Telecommunication Engineering, Instrumentation Engineering, Biomedical Engineering. Such candidates are eligible for research areas consistent with their academic background and special interests OR</p> <p>2. Master of Science in Mathematics, Physics, Electronics with an interest in Electrical Engineering Sciences.</p> <p>Candidates with Bachelor's degree in engineering or masters degree in science must have a valid GATE score to become eligible for the Teaching / Research Assistantship provided by the Institute.</p>
HUMANITIES & SOCIAL SCIENCES <i>(As of now PhD programme is offered in the following disciplines: Economics/Finance; English; Philosophy; Sociology)</i>	<p>60% marks (55% for SC / ST) or equivalent letter grade in :</p> <p>i) M.A. / M.Com. or equivalent degree OR</p> <p>ii) Master's degree in Science / Graduate Degree in Engineering / Technology may be considered for research areas consistent with the academic background and special interests OR</p> <p>iii) M.Phil. degree in any of the disciplines or in any allied subjects</p>



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MECHANICAL ENGINEERING	<p>i. B.Tech. / M.Tech. or equivalent degree in Mechanical Engineering with First class or 60% marks (55% for SC / ST) at UG & PG levels OR</p> <p>ii. B.Tech. / M.Tech. degree or equivalent in Production Engineering / Industrial Engineering / Aerospace Engineering with First class or 60% marks (55% for SC / ST) at UG & PG levels may be considered OR</p> <p>iii. B.Tech. / M.Tech. Degree in other branches of Engineering / Technology with an outstanding academic record may also be considered for research areas consistent with their academic background and special interests of the Department.</p> <p>Candidates with Bachelor's degree in engineering must have a valid GATE score to become eligible for the Teaching / Research Assistantship provided by the Institute.</p>
PHYSICS	<p>First Class or 60% marks (55% for SC / ST) in :</p> <p>i) M.Sc. or equivalent degree in Physics / Chemistry / Mathematics OR</p> <p>ii) B.Tech. or equivalent degree in Aerospace Engineering / Chemical Engineering / Civil Engineering / Electrical Engineering / Mechanical Engineering / Metallurgical Engineering / Computer Science / Engineering Physics.</p> <p>Candidates with Bachelor's degree in engineering or masters degree in science must have a valid GATE score to become eligible for the Teaching / Research Assistantship provided by the Institute.</p>

Notes:

1. Candidates not having a valid GATE score or CSIR / UGC / NBHM / DBT award can be considered for admission to the Ph.D. programme if they have minimum of 2 years of professional work experience (after passing qualifying degree), provided they fulfill other eligibility criteria fixed for department of his / her choice. **However, such students are not entitled for any Teaching / Research Assistantship, etc.**
2. In addition to the above, candidates should also satisfy the eligibility criteria specified by the respective Department as mentioned in the Ph.D. brochure.
3. Reservation for OBC/ SC / ST / PC (Physically Challenged) candidates as per Government of India rules.
4. Wherever there is specific requirement of percentage of marks in qualifying examination, it is relaxed by 5% for SC / ST applicants.
5. Candidates appearing in the final year of qualifying degree examination are eligible to apply. However, they must submit attested copies of qualifying degree certificates / final transcripts within stipulated dates failing which admission will stand canceled.
6. **Candidates are strongly encouraged to visit the IITGn webpage (<http://www.iitgn.ac.in>) for information on research interests of faculty members.**



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14) APPLICATION PROCEDURE

- Download the following from <http://www.iitgn.ac.in/phd.htm>
 - Application Form
 - Format for Statement of Purpose
 - Format for Letters of Recommendations
- Please read the instructions given in the brochure carefully before you fill in the application form. You may apply for as many disciplines as you wish. However, you can mention **maximum three disciplines in one form**. If you want to apply for more disciplines, you may do so by paying separately.
- Candidates can mention upto **THREE** disciplines (in order of preferences) in one application form. For further choices, if any, additional forms may be used. **Candidates applying for multiple disciplines have to submit corresponding number of sets of printed/photocopied completed application form along with enclosures properly arranged and stapled. If sufficient numbers of copies are not provided, a candidate will be considered only for the discipline(s) for which the copies are provided.**
- Statement of Purpose (SoP) is your opportunity to share with the Admission Committee your motivation and preparation for the Doctoral studies at IIT Gandhinagar. Please use the format provided in the webpage <http://www.iitgn.ac.in/phd.htm> .
- Atleast two letters of recommendations need to be submitted. The person giving recommendation may be from your College / University or from Organization where you have worked. Please use the format provided in the webpage <http://www.iitgn.ac.in/phd.htm> . After completing the applicant information section on top, hand it over to the recommenders. The letters of recommendation will have to be sent by the recommenders **directly to the Dean (Academic Programmes)**. The postal address is given below.
- Along with application material each applicant is required to submit a Demand Draft of Rs.300/- (Rs.150/- for SC/ST candidates) drawn in favour of “**IIT Gandhinagar**” and payable at **State Bank of India, IIT Chandkheda** branch. A candidate applying for more than three disciplines have to submit additional draft. **Please indicate your name, email address, category & discipline(s) in which you are applying on the reverse side of the Demand Draft.**
- Please mail the completed application form and attached documents to the following address in a **big size envelope (27 cm x 20 cm) without folding the application materials**. The envelope should be marked “**PhD Application for Discipline**”.

Dean (Academic Programmes)

Indian Institute of Technology Gandhinagar
Vishwakarma Government Engineering College Campus,
Chandkheda, Visat-Gandhinagar Highway, Ahmedabad, Gujarat,
India – 382424

- Additionally, a **filled-in/scanned** electronic copy of your application form should be emailed to phd.application@iitgn.ac.in . Mention “**PhD Application for Discipline**” in the subject line.



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- Candidates should complete the application form in all respects and submit all required documents. Incomplete application materials will be rejected.
- Form should be filled in neatly and clearly.
- OBC/ SC / ST / PC candidates are requested to attach Caste / Tribe / Disability certificate along with application form.



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APPENDIX I

Sponsorship Letter for full-time candidates

(This should be typed on letterhead of the sponsoring organization)

To
The Dean (AP/SA)
Indian Institute of Technology Gandhinagar
Vishwakarma Government Engineering College Campus,
Chandkheda, Visat-Gandhinagar Highway, Ahmedabad, Gujarat,
India – 382424

Sub: Sponsoring of _____ for Ph.D. programme

Dear Sir,

We hereby sponsor the candidature of _____ 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 her/his studies. We shall fully relieve her/him of duties in the organization during the entire period of the Ph.D. programme to enable her/him to devote full time to the studies.

Signature and seal of the
Sponsoring Authority



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APPENDIX II

Employer's Letter in case of Candidates joining on Study Leave (This should be typed on a letter head of the Institution)

To
The Dean (AP/SA)
Indian Institute of Technology Gandhinagar
Vishwakarma Government Engineering College Campus,
Chandkheda, Visat-Gandhinagar Highway, Ahmedabad, Gujarat,
India – 382424

Sub: Relieving an employee on Study Leave

Dear Sir,

We hereby relieve _____ an employee of this Institute on full/half/no pay leave for joining Ph.D. programme at IIT Gandhinagar, for a period of _____ years (at least three years).

Signature of Head of the
Institute and seal of the Institution



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APPENDIX III

Sponsorship Certificate for External Registration

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

1. Name of the sponsoring organization : _____
2. Address : _____
3. Present Designation of the applicant : _____
4. Present status of the applicant: _____
(Permanent/Quasi Permanent/Temporary)
5. Division where research work is proposed to be done: _____
6. Name of supervisor from the sponsoring organization: _____
(Bio-data of supervisor to be enclosed giving details of designation, qualification, research experience etc.)
7. Details of facilities relevant to the research problem which will be made available to the candidate by the organization.
8. Statement of External Supervisor.

If _____ is registered for the doctorate degree, I agree to act as her/ his research supervisor jointly with the research supervisor form the Institute.

Signature of External Supervisor

If _____ is admitted to the Ph.D. programme, we shall allow her/him to undergo the programme of studies and also to fulfill the residential requirement of the Institute, as per rules.

During the period of Doctoral programme the candidate will be permitted to carry out her/his research work at our laboratories / organization and will be given the required facilities.

We also give our consent to _____ of our organization to supervise the Ph.D. Project, jointly with Dr. / Prof. _____ of IIT Gandhinagar.

Signature and Seal of the
Sponsoring Authority



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APPENDIX IV

No Objection Certificate from University for College Teacher Category. (This should be typed on a letterhead of the Institution/University)

Dear Sir,

This is to certify that the University has no objection to sponsor the candidature of _____, who is working as _____ in the _____ College, to join the Ph.D. Programme at IIT Gandhinagar under College Teacher Category.

Signature & Seal of the Head
of the University/ Institution.

[Bio-data of External Supervisor (which is optional) to be enclosed giving details of designation, qualification, research experience, etc]



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APPENDIX V

Fees, Deposits & Hostel Rent

Particulars	Fees payable(Rs.)			
	GN/OBC		SC/ST	Institute Staff
	Non-sponsored#	Sponsored@		
A) One Time Payment at the time of admission				
a.1. Admission fee	1000	1000	1000	1000
a.2. Grade Card	00	00	00	00
a.3. Medical Examination	100	100	100	00
b.1. Provisional Certificate	100	100	100	100
b.2. Student Welfare Fund	500	500	500	500
b.3. Modernisation	1000	1000	1000	1000
b.4. Identity Card	250	250	250	00
b.5. Courses of Study bulletin	100	100	100	100
b.6. Institute Day Celebration	0	0	0	00
b.7. Valedictory Function Fee	200	200	200	200
b.8. Thesis fee	950	950	950	950
Total (A)	4200	4200	4200	3850
B) Per Semester Fees				
a.1. Tuition Fee - Statutory fees	5000	** 5000	00	00
a.2. Examination Fee	350	350	350	350
a.3. Registration Fee	200	200	200	200
a.4. Gymkhana Fee	500	500	500	00
a.5. Hostel Seat Rent *	500	500	500	00
a.6. Elect. & Water Charges *	2000	2000	2000	00
b.1. Medical Fee	500	500	500	00
b.2. Student Benevolent Fund	500	500	500	500
b.3. Hostel Establishment Charges *	1000	1000	1000	00
b.4. Medical Fund	00	00	00	00
b.5. Contribution to Hostel Subsidy *	3000	3000	3000	00
b.6. Internet Fee	00	00	00	00
b.7. Hostel Maint. Fees *	00	00	00	00
Total (B)	13,550	13,550	8,550	1,050
C) Annual Medical Insurance Premium (once in a year)	126	126	126	00
D) Deposits (Refundable) to be paid at the time of admission				
1. Institute Security Deposit	1000	1000	1000	00
2. Library Security Deposit	1000	1000	1000	00
3. Mess Security Deposit	1000	1000	1000	00
Total (D)	3000	3000	3000	00
Grand Total (A+B+C+D)	20,876	20,876	15,876	4900



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Notes:

* Students not staying in Hostel are exempted from the payment of Hostel related fees.

** Tuition fee likely to be revised.

Non-Sponsored category refers to (1) Teaching Assistantship (TA), (2) Research Assistantship (RA), (3) Govt./Sem-Govt. Fellowships awardees (QIP/ UGC/ CSIR/ DAE/ DST/DBT/NBHM etc.).

@ Sponsored category includes all others, viz., SW, EX, SF, CT, TAP, PA, PS, etc.

- External students who have completed the course work and joined the parent organisation are required to pay Rs.2500/- as continuation fee (Rs.900/- for SC/ST)
- Students who have been permitted temporarily withdrawal from the programme are required to pay Rs.1000/- as continuation fee per semester.

Fees (except Deposits) are not refundable under any circumstances.

In addition to the above, refundable Mess advance of Rs. 2,500/- and Semester Mess Advance of Rs. 10,000/- are also required to be paid by the candidates opting to stay in the institute hostel.

Fees payable in every subsequent semester by External Candidate: Rs.5000/- for General and OBC Category and Rs.2500/- for Reserved Category (SC/ST).

Candidates from reserved categories (SC/ST) are fully exempted from paying the Tuition Fees.
