

**Veermata Jijabai Technological Institute (VJTI)**  
H R Mahajani Marg, Matunga, Mumbai 400 019  
**Admissions to Ph D Programme – January 2009**

Applications are invited for full-time and part-time Ph D programme in all Engineering disciplines for the session starting from January 2009. The detailed Information and Application Form is available on the Institute website: [www.vjti.ac.in](http://www.vjti.ac.in).  
Last date of submitting the Application is December 1, 2008

**Admissions to Ph D Programme**

Applications are invited from internal candidates from VJTI and eligible external candidates from Industry or Research Organizations in India or abroad for part-time Ph D programme and also for full time regular programme for the session starting from January 2009.

	Fees payable for Ph D Programme	
	Non-sponsored candidates	Rs 22800 p.a + Rs 1550 in the first year
	Sponsored candidates	Rs 37800 p.a + Rs 1550 in the first year
	NRI / Foreign candidates	US \$ 5000 p.a. + \$150 in the first year

**A Rules and regulations for Research programme –  
Doctor of Philosophy (Ph D)**

1	Eligibility for Admission
1.1	A candidate shall be considered eligible for registration for the degree of Ph D provided that the candidate satisfies one of the following:
	i. Candidate must have obtained Master's degree in technology or engineering with minimum 60% marks ( <i>55% marks in case of reserved category</i> ) or as equivalent thereto.
	ii. Candidate must have obtained Bachelor's degree in technology or engineering with minimum 60% marks ( <i>55% marks in case of reserved category</i> ) or as equivalent thereto and has valid GATE score.
	iii. Candidate is a teacher having full time teaching experience of at least five years and has published at least two research papers in peer-reviewed journals. These candidates shall satisfy criterion (i) or (ii) above. However valid GATE score is not compulsory.
	iv. Candidate is a person who is a graduate in engineering or technology and working in national laboratory/ institute/ government/ private organization, nominated/ sponsored by the respective employer.
	v. Candidate must have obtained Bachelor's degree in technology or engineering with minimum 60% marks ( <i>55% marks in case of reserved category</i> ) or as equivalent thereto and is qualified in GATE examination or other equivalent examination (validation period not be applicable).

	vi. Candidate is a person who is a graduate in technology or engineering with minimum 60% marks ( <i>55% marks in case of reserved category</i> ) or as equivalent thereto.
1.2	<b>Candidates satisfying (i) or (ii) above will only be considered for Research fellowship (teaching assistantship) of Rs 12000 p.m. initially for a period of two years. The assistantship requires that the students must assist in teaching and research, as assigned by the Institute, to the extent of eight to ten hours of work per week.</b>

2	Selection process
	The applicants may have to undergo a written test in the concerned department.
	Various faculty members for Ph D programmes will provide applicants with the details of research areas proposed at the time of selection. The applicants will have an opportunity to discuss these topics with the respective faculty and can indicate their choice in order of preference.
	The eligible candidates will have to undergo an interview by a panel formed for the purpose including the proposed guide under whose supervision the candidate proposes to do research.
	The candidate selected by the interviewing panel shall be given provisional admission only.
	The candidate shall prepare the outline of the proposed research work in consultation with the guide and shall submit the same to PGPC within three months from the date of provisional admission. On approval and recommendation of PGPC, the candidate shall be permitted to formally register for the PhD programme.

3	Categories of Ph D candidates
	The Institute admits Ph D candidates under following categories:
3.1	<p>Full-time research scholar</p> <ul style="list-style-type: none"> <li>• Institute research scholar <ul style="list-style-type: none"> <li>- Shall be considered for research fellowship (teaching assistantship).</li> </ul> </li> <li>• Govt. / Semi-Govt. fellowship awardee <ul style="list-style-type: none"> <li>- Shall be receiving fellowship and contingency grant from supporting organization</li> <li>- Shall be released for full time research for three years</li> </ul> </li> <li>• Sponsored candidate <ul style="list-style-type: none"> <li>- Shall be released by sponsoring R&amp;D organization for full time of three years</li> </ul> </li> <li>• Self-financing (Indian / Foreign) <ul style="list-style-type: none"> <li>- Will not get any financial support from the Institute</li> <li>- Shall be released by employee organization (if employed) for full time of three years</li> </ul> </li> </ul>
3.2	<p>Part-time research scholar</p> <ul style="list-style-type: none"> <li>• External sponsored candidate <ul style="list-style-type: none"> <li>- Shall have to complete at least one semester of residential requirement at VJTI</li> <li>- Shall have to work under VJTI Guide (internal) and one from the parent organization where the candidate intends to carry out the research</li> <li>- Shall produce no-objection certificate from parent organization along with application</li> </ul> </li> </ul>

4	Course credit requirements
4.1	All students registering for Ph D programme, are required to acquire minimum of 22 credits i.e. 2 courses and a Seminar within first two semesters.
4.2	The courses may also be taken from other departments on the advice of the Guide.
4.3	A Seminar shall carry maximum of six credits.
4.4	The students should acquire a minimum SPI/CPI of 6.0 at the end of each semester.
4.5	Students who fail to satisfy course credit requirements shall have to discontinue the programme.

5	Research Progress Committee
5.1	The DPGC will form a three member Research Progress Committee for every student. RPC shall consist of at least two members who are conversant with the field of research. The names of RPC will be communicated to PGAPEC.
5.2	The research student shall submit through the Guide, progress report at the end of every semester to the RPC.

5.3	The RPC will monitor the progress of work of the candidate until completion of the programme.
5.4	At the end of every year, the candidate will present the work done to a group of students and faculty. Such seminars are required to be given every year until the synopsis is submitted.
5.5	The continuance of registration of all students is subject to satisfactory progress shown by them.
5.6	The delay in submission of progress report or presentation of Seminar may lead to discontinuation of Institute assistantship.

6	Submission of Synopsis
6.1	The student will have to present a pre-synopsis seminar to the RPC. If RPC is satisfied with the quality of work for submission as Ph D thesis, student can submit the synopsis. The synopsis will be submitted within one month from the date of this seminar.
6.2	Student will have to submit the synopsis at least one month before the submission of the thesis.
6.3	The six copies of synopsis will have to be submitted along with; <ul style="list-style-type: none"> <li>- Certificate of the DPGC that prescribed credits requirements have been satisfied</li> <li>- Report of RPC that the pre-synopsis seminar was satisfactory</li> <li>- Certificate of the Guide that there is prima facie case for consideration of thesis and thesis does not contain any work which has been previously submitted for any award of degree</li> <li>- Certificate from accounts that all dues till date have been paid</li> </ul>
6.4	Thesis must be submitted not later than six months from the date of submission of the synopsis.

7	Evaluation of thesis
7.1	The panel of examiners for evaluation of Ph D thesis will comprise of: <ol style="list-style-type: none"> <li>a. A senior faculty / HoD nominated by the Chairman of Senate</li> <li>b. External examiner</li> <li>c. Internal examiner from VJTI (member of RPC)</li> <li>d. Guide</li> </ol>
7.2	From the panel of eight external referees approved by DPGC and PGPC, the Chairman of Senate will choose two names.
7.3	The thesis will be sent to the first three referees (at least one of them must be from outside state of Maharashtra).
7.4	On receipt of the positive reports from both the external referees recommending acceptance of the thesis for the award of concerned Ph D degree, date of open defence will be fixed in consultation with one of the referees.
7.5	The Guide and external referee will conduct the viva in open defence manner. A senior faculty / HoD nominated by the Chairman of Senate will work as Chairperson for the viva.

7.6	The panel of examiners shall send the final report of the open defence and forward it to CoE with specific recommendation of award of degree or a fresh defence after a specific time, if the performance of the candidate is found unsatisfactory.
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8	Award of degree
8.1	Full time students have to work for a minimum period of two calendar years from the date of registration before submission of thesis.
8.2	Part time students have to work for a minimum period of three calendar years from the date of registration before submission of thesis.
8.3	The validity of registration of the student for Ph D is four calendars years for full time candidates and six calendar years for part-time candidates from the date of registration.
8.4	A candidate will not be permitted to submit a thesis, a work for which a degree or diploma or any other academic award has been conferred on the candidate by any university / academic body.

**B Rules and regulations for Research programme (Internal Candidates) – Doctor of Philosophy (Ph D)**

<b>1</b>	<b>Eligibility for Admission</b>
	i. Candidate must have obtained Master's degree in technology or engineering with minimum 60% marks ( <i>55% marks in case of reserved category</i> ) or as equivalent thereto.
	ii. Candidate should have full time teaching experience of at least five years (out of which at least two years at VJTI and one year after completion of Post graduation) and has published at least two research papers in peer-reviewed journals.

<b>2</b>	<b>Research guidance</b>
	The internal candidate will be guided by minimum two or a panel of three guides. The Guide nominated by PGAPEC of VJTI shall be designated as Internal Guide. The other Guide/s will be from IIT, Bombay and / or from other participating National / International Institutes / Universities / Industries.

<b>3</b>	<b>Course credit requirements</b>
	All students registering for Ph D programme, are required to acquire minimum of 22 credits within first two semesters. At least 50% of the credits should be earned through credit courses at IIT, Bombay or any other participating Institute / university (national / international). The remaining credits, if any, can be earned at VJTI or other Institute when such courses are not available at VJTI.
	The credits earned at IIT or any other Institute, in India or abroad, after January 2005, shall be considered for the course credit requirements required to be satisfied based on the recommendation of the Panel of Guides and PGAPEC prior to final registration for Ph D programme.
	The students should acquire a minimum SPI/CPI of 6.0 at the end of each semester.
	Students who fail to satisfy course credit requirements shall have to discontinue the programme.

<b>4</b>	<b>Research requirements</b>
	The research requirements in terms of progress seminars, submission of synopsis, and submission of thesis and evaluation of thesis will be the same as those specified for full time students of Ph D programme of VJTI.
	The student has to demonstrate the evidence of acceptance of the research work by peers and professionals in the field by producing evidence that the manuscript/s based on the research has been submitted and accepted by the referred journal/s or by professional conference/s.

<b>5</b>	<b>Research Progress Committee</b>
	The DPGC will form a three member Research Progress Committee for every student. RPC shall consist of at least two members who are conversant with the field of research. The names of RPC will be communicated to PGAPEC.
	The research student shall submit through the Guide, progress report at the end of every semester to the RPC.
	The RPC will monitor the progress of work of the candidate until completion of the programme.
	At the end of every year, the candidate will present the work done to a group of students and faculty. Such seminars are required to be given every year until the synopsis is submitted.
	The continuance of registration of all students is subject to satisfactory progress shown by them.
	The delay in submission of progress report or presentation of Seminar may lead to discontinuation of Institute assistantship.

VEERMATA JIJABAI TECHNOLOGICAL INSTITUTE  
(VJTI)  
(Central Technological Institute, Maharashtra State)  
Matunga, Mumbai, India 400 019  
(Autonomous Institute affiliated to University of Mumbai)

**Application for Research Programme leading to Doctor of Philosophy (Ph.D.)**

	Category		
	Application fees	Rs 500	
	Details of Demand draft drawn in favour of 'Director, VJTI, Mumbai' payable at Mumbai		Bank: No: Date of issue:
	Discipline to which seeking admission (Civil/ Electrical/ Mechanical/ Computer/ Electronics/ Information Technology/ Textile/ Interdisciplinary areas)		

	Name of candidate (As appearing on graduation certificate / grade sheet)		
	Address for correspondence:		
	e-mail:	Tel: ( )- -	Mobile:
	Nationality:		

Previous Academic Details:

Name of examination	Month & year of passing	Discipline	Score / Percentage
B E / B Tech			
M E / M Tech / M S			
Any other			

Details of work experience:

Name of organization	Designation and place of current posting	From	To

I hereby declare that the above information is correct to my knowledge and belief. I further understand that if any information in this form is found incorrect, my admission is liable to be cancelled.

Signature of candidate	Affix recent passport size photograph
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The application should accompany the following:

1. Demand draft towards application processing fees
2. Certified copies of the following:
  - (BE / B Tech) Graduation degree certificate
  - (BE / B Tech) Final year marks list / grade sheet
  - (ME / M Tech) Post graduate degree certificate
  - (ME / M Tech) Final year marks list / grade sheet
3. Certificate of work experience
4. Statement of work experience (one page with emphasis on innovative contributions)
5. Statement of purpose from the candidate (one page justifying the research area)
6. List of publications
7. Two copies of latest two publications
8. Certificates towards any other qualification