Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

CENTRE FOR
ACADEMIC RESEARCH

Admission Brochure for Ph.D. Programme

Passionate. Doers

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Ph.D. Programme : Admission to Award - Process Flow Diagram

Vel Tech 25

Submission of Application

Scrutinizing the Applications

Is shortlisted?
- No → Not Selected (Intimation to Applicant)
- Yes → Entrance Exam

Entrance Exam → Is qualified?
- No → Not Selected (Intimation to Applicant)
- Yes → Interview by Departmental Research Committee (DRC)

Exempted from Entrance Exam for NET / SET / JRF / GATE / M.Phil. qualified candidates → Interview by Departmental Research Committee (DRC)

Interview by Departmental Research Committee (DRC) → Is recommended?
- No → Not Selected (Intimation to Applicant)
- Yes → Supervisor Allocation by DRC

Supervisor Allocation by DRC → Verification of Original Certificates

Verification of Original Certificates → Is found genuine?
- No → Not Selected (Intimation to Applicant)
- Yes → Payment of Fee

Payment of Fee → Provisionally Admitted

Provisionally Admitted → Submission of Nomination for Research Advisiory Committee (RAC) Members by the Supervisor

Submission of Nomination for Research Advisiory Committee (RAC) Members by the Supervisor → Course work Allocation during First RAC Meeting
(Credits: Min.-12, Max.-16;
Maximum Duration for Completion of Course work: FT-1yr / PT-2yrs)

Course work Allocation during First RAC Meeting → Semester Registration (Submission of Semester-wise Progress Report & Fee receipt by the Scholar)

Semester Registration (Submission of Semester-wise Progress Report & Fee receipt by the Scholar) → Is submitted the reports? & work progress is satisfactory?
- No → Registration Cancelled
(Consecutively twice: not submitted the semester progress reports / work progress is not satisfactory / performance is not satisfactory / not attending the RAC Meeting)
- Yes → RAC Meeting (Submission of Semester-wise RAC Review Form & Minutes by the Supervisor)

RAC Meeting (Submission of Semester-wise RAC Review Form & Minutes by the Supervisor) → Is performance satisfied?
- No → Registration Cancelled
- Yes → Proceed further upto maximum duration of the programme / Recommendation for synopsis meeting by RAC (after completion of minimum duration of the programme & journal publications indexed by SCI/SCIE/Scopus)

Proceed further upto maximum duration of the programme / Recommendation for synopsis meeting by RAC (after completion of minimum duration of the programme & journal publications indexed by SCI/SCIE/Scopus) → Is recommended for Synopsis Meeting by RAC?
- No → Not Selected (Intimation to Applicant)
- Yes → Synopsis Meeting

Synopsis Meeting → Submission of Synopsis document to Research Ethics Committee (REC) to Check Plagiarism, Language Proof Reading & Format

Submission of Synopsis document to Research Ethics Committee (REC) to Check Plagiarism, Language Proof Reading & Format → Submission of Synopsis

Submission of Synopsis → Synopsis will be sent to Adjudicators for Acceptance

Synopsis will be sent to Adjudicators for Acceptance → Submission of Thesis Document to REC to Check Plagiarism, Language Proof Reading & Format

Submission of Thesis Document to REC to Check Plagiarism, Language Proof Reading & Format → Submission of Thesis (within 3 Months from the Approval of Synopsis by RAC)

Submission of Thesis (within 3 Months from the Approval of Synopsis by RAC) → Thesis will be sent to Adjudicators for Evaluation

Thesis will be sent to Adjudicators for Evaluation → Is recommended?
- No → Resubmission of Thesis → Thesis will be sent to Adjudicators for Evaluation
- Yes → Pre Viva Voce Meeting

Pre Viva Voce Meeting → Viva Voce Exam

Viva Voce Exam → Is recommended to Award of Degree of Ph.D.?
- No → Conduct Re-Viva Voce Exam after Six Months → Viva Voce Exam
- Yes → Board of Management (BoM) Approval

Board of Management (BoM) Approval → Submission of electronic copy of the Ph.D. Thesis to INFLIBNET, UGC

Submission of electronic copy of the Ph.D. Thesis to INFLIBNET, UGC → **Award of Degree**

1. STATUS OF THE INSTITUTION

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Technology (Deemed to be University established u/s 3 of UGC Act 1956) is one of the frontier R&D institutions known worldwide.

Vision

To create, translate and disseminate frontiers of knowledge embedded with creativity and innovation for a positive transformation of emerging society.

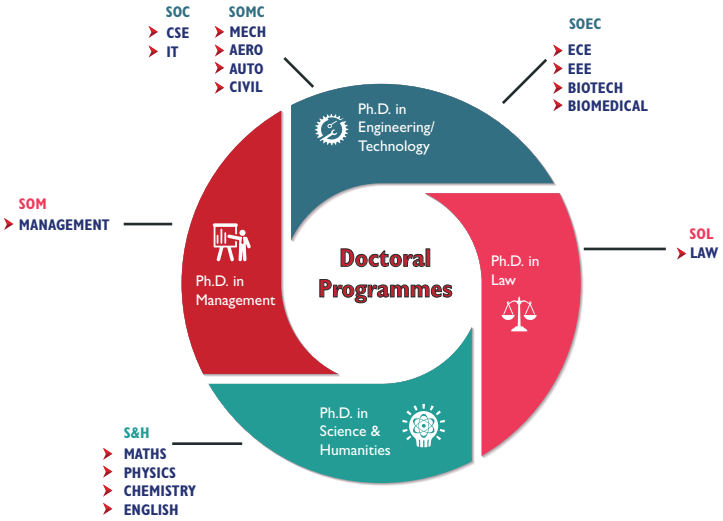
Mission

To nurture excellence in Teaching, Learning, Creativity and Research; translate knowledge into practice; foster multidisciplinary research across science, medicine, engineering, technology and humanities; incubate entrepreneurship; instill integrity and honour; inculcate scholarly leadership towards global competence and growth beyond self in a serene, inclusive and free academic environment.

2. GLIMPSE OF ACADEMIC AND RESEARCH EXCELLENCE

The Centre for Academic Research of Vel Tech is a separate entity, which has started functioning since 2009. The Dean Research Studies is overseeing, co-ordinating and controlling the research activities conducted according to ethics and etiquette. The research programmes are offered in the areas of Engineering, Technology, Science and Humanities, Management and Law leading to the award of Ph.D. through different schools of study.

The institution is always focusing and tackling problems from all spheres, addressing major social challenges in specialized areas of interest especially in the thrust areas and the Research. The Research Wing is one of the strongholds of this Institution.



Vision

To promote the researchers ability to perform in promising research in Engineering, Technology, Science and Interdisciplinary fields and to bring the revolutionary transformations in the research in emerging areas to suffice the needs of the society.

Mission

- To generate, manage and disseminate new knowledge.
- To increase focus on research in the interdisciplinary fields.
- To create an innovative research ambience in which new ideas flourish resulting in emergence of researchers and leaders of tomorrow.
- To design and provide quality research by adhering to the highest ethical standards and professional best practices.

3. Programmes Offered

3.1. The institution offers the following programmes leading to the award of Ph.D. degree.The admission is made twice in a year (i.e. January and July).

Ph.D. Degree in Engineering / Technology

Ph.D. Degree in Management Studies

Ph.D. Degree in Science and Humanities

Ph.D. Degree in Law

4. Eligibility for Admission

4.1. The eligibility for admission to Ph.D. programme is a successful completion of PG degree or possession of any other qualifications recognized as equivalent thereto.

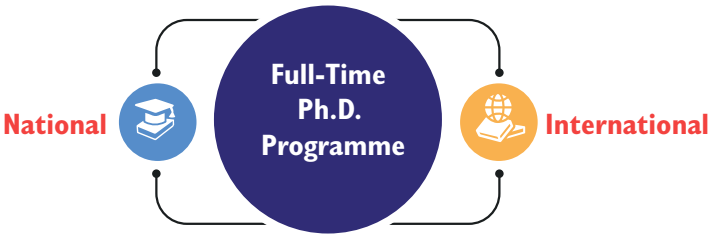
Ph.D. Degree in Engineering / Technology *M.E. / M.Tech. / M.S. (Research) in the relevant branch of Engineering or Technology.*	**Ph.D. Degree in Management Studies** *MBA / M.Phil / Post Graduate Diploma in Business Management or Administration awarded by Indian Institute of Management (IIM) / M.S. (By Research) in Management Sciences.*
Ph.D. Degree in Science and Humanities *M.Sc. / M.A. / M.S. (Research) /M.Phil in the relevant branch of Science and Humanities / M.C.A.*	**Ph.D. Degree in Law** *M.L. / LL.M. in the relevant branch of Law.*

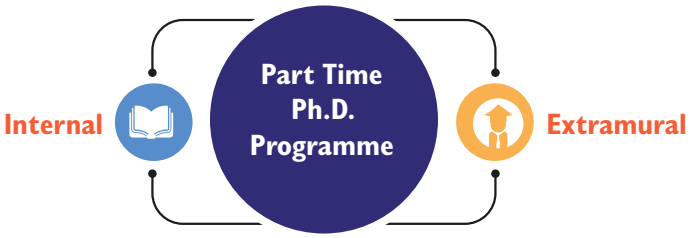
4.2. The candidate shall obtain minimum of 55% marks or CGPA of 6.0 on a 10 point scale in the qualifying examinations, or its equivalent grade 'B' in the UGC 7-point scale or an equivalent degree from a foreign educational institution duly accredited by an Assessment and Accreditation Agency.

4.3. A relaxation of 5% of marks, from 55% to 50%, or an equivalent relaxation of grade will be allowed for those candidates belonging to SC / ST / OBC (non-creamy layer) / Differently-Abled and other categories of candidates as per the decision of the Commission from time to time.

4.4 For full time International Candidates, the eligibility shall be in accordance with the norms prescribed by the Association of Indian Universities (AIU), New Delhi – 110002 (http:// www.aiuweb.org). Incase, the University / Board is not included in the said list, the candidate has to obtain and submit an equivalence certificate from AIU.

5. Modes of Ph.D. Programme





5.1. Full Time Ph.D. Programme

5.1.1. Candidates under full time programme shall do research work in the institution and shall be readily available during the working hours for curricular, co-curricular and related activities.

5.1.2. Candidates, who are employed elsewhere and desirous to pursue full time programme shall be sponsored by their employer. They shall avail leave for the research period and shall obtain formal concurrence letter from the employer to do Ph.D. research work along with the relieving order.

5.1.3. The teacher candidates from engineering colleges who are sponsored by the AICTE under Quality Improvement Programme and all others who satisfy the eligibility conditions shall be eligible for full time mode only, in the respective disciplines as per the norms and guidelines of AICTE.

5.1.4. Candidates who are selected for Fellowship Programme of National or any recognized bodies shall satisfy the eligibility norms as per the regulations of full time programme in the respective disciplines.

5.1.5. Foreign nationals sponsored by the Government of India or any other candidates coming under scholar exchange programme with the eligibility conditions as per the regulations can join for full time Ph.D. programme.

5.1.6. The scholars who are receiving financial assistance from the institution have to be ready for teaching assistance work, if assigned.

5.2. Part Time Ph.D. Programme

5.2.1 Part Time (Internal) Ph.D. Programme

a. Any faculty member of the Institution possessing the minimum prescribed qualifications and one year experience or as may be prescribed by the board from time to time can apply for the programme in the prescribed form to be enrolled for Ph.D. Part time programme.

b. Candidates with requisite qualifications working in research projects in the Institution Campus are eligible to register for Ph.D on condition that they are selected by a selection committee constituted by the Institution. The other eligibility norm for these candidates is the possession of at least six months of service in the project and the tenure of the project shall be at least two years from the date of submission of application by the candidate.

5.2.2. Part Time (Extramural) Ph.D. Programme

The candidates who seek admission under the following categories shall also be considered under Part Time (Extramural) Ph.D. programme.

a. Candidates working as faculty members in other PG and professional colleges on a permanent basis having a minimum one year of experience after the PG degree, and those who are sponsored by employers or R&D organizations are eligible to apply for the Ph.,D. degree programme and they can be admitted for Part Time Extramural Ph.D. Programmes.

b. Candidates working in Industrial Units / R&D Departments / National Laboratories / Units of Government / Quasi Government/ any reputed organization or any other research laboratories which are recognized by the Institution to do collaborative research with the institution and sponsored by the respective employer having minimum one year of experience after PG degree shall be eligible for Part Time Ph.D. programme.

c. The extramural candidates have to submit the original "No Objection Certificate (NoC)" stating that they are permitted to pursue studies on Part Time basis, before submission of applications. Also the No Objection Certificate of such candidates must confirm whether

(i) the official duties of such candidates are not be affected during the period of research

(ii) the facilities for research are available at the place of work

(iii) the candidate will be permitted to attend full time course work at the Institution for at least 6 months during his / her registration for the degree (if the place of work is outside 50 km radius of the Institution).

Their course work and all curricular, co-curricular activities, and pre and co requisites shall be as determined by the members of the Research Advisiory Committee. In this mode, the candidates shall attend classes as prescribed by the Research Supervisor to complete courses scheduled on any day including holidays and Sundays.

> *Conversion from one mode of study to the other shall not be permitted. However, the change will be permitted under extraordinary circumstances with the approval of Vice-Chancellor on recommendation of Dean Research Studies.*

6. Selection Procedure

The preliminary scrutiny will be done by the Office of the Research Studies with the help of the Members of the Admission Scrutinizing Committee to shortlist the eligible candidates as per norms. The short listed candidates shall be called for the written examination. Syllabus for the written exam for various specializations are given on website.

6.1. Depending on number of available Research Supervisors, Specialized Areas and existing number of scholars, the vacancies for Ph.D. seats under each discipline shall be decided in advance.

6.2. The institution shall notify and hold Entrance Examination for all eligible applicants. The syllabus of the written entrance examination shall consist of 50%, of Research Methodology and 50%,of subject specific. The scholar shall secure 50%, marks in the entrance test so as to qualify themselves for interview/ viva voce examination.

6.2.1. For selection of candidates, weightage of 70% in entrance examination and 30% in the Interview performance shall be taken into consideration for the selection process.

6.2.2. Relaxation of 5% of marks (from 50% to 45%) shall be allowed for the candidates belonging to SC / ST / OBC (Non-Creamy layers) / Differently-Abled category in the entrance examination conducted by the Institution.

6.3. Candidates with UGC / CSIR (JRF) / NET / SLET / Teacher-Fellowships / M.Phil. / other National level eligibility test / International Candidates shall be exempted from entrance examination.

6.4. The candidates short listed in entrance examination shall be called for interview / viva-voce. The candidates are required to present their Research Interest / Research Area through a Power Point Presentation before the Department Research Committee.

6.5 For International Candidates, who are granted admission, the applicant must produce the scholar visa within one month of completion of admission formalities. In case of failure to submit a visa within a stipulated period, the admission shall stand cancelled. A copy of this visa is to be submitted in the Office of the Research Studies / Office of the International Relations.

6.6 Upon arrival in India, every foreign research scholar must register with a Foreigners Regional Registration Office (FRRO).

6.7 The Institute will be providing Scholarship / Fee waiver / Stipend to the Full Time Research scholars who may be admitted under International Admission Quota.

6.8. The interview / viva-voce / oral presentation shall also reveal the following aspects, viz whether

(i) the candidate possesses the competence for the proposed research;

(ii) the research work can be suitably undertaken at the institution;

(iii) the proposed area of research can contribute to new / additional knowledge.

6.9. Selected candidates shall be provisionally admitted for Ph.D. programme with the approval of the Vice-Chancellor based on the genuineness of original certificates and payment of prescribed fee.

6.10. Admission into Ph.D. Programme will be made in accordance with the existing and applicable reservation rules in force.

6.11. The list of registered candidates with particulars of their topic of research, supervisor, and date of enrollment / registration will be hosted in the institution website.

7. Duration for Ph.D. Programme

The Minimum and Maximum Duration for Ph.D. Programme as per Regulations VTR DR – 2021

S. No.	Programme	Qualification for Admission	Minimum Duration (Months) Full time / Part time	Maximum Duration (Months) Full time / Part time
1.	**Ph.D. Degree in Engineering/ Technology**	M.E. / M.Tech. / M.S. (Research) in the relevant branch of Engineering or Technology.	36/48	72/84
2.	**Ph.D. Degree in Management**	MBA / M.Phil. / Post Graduate Diploma in Business Management or Administration awarded by Indian Institute of Management (IIM) / M.S. (By Research) in Management Sciences.	36/48	72/84
		M.Phil. in Management Sciences	36/48	72/84
3.	**Ph.D. Degree in Science and Humanities**	M.Sc. / M.A. / M.S. (By Research) /M.Phil. in the relevant branch of Science and Humanities / M.C.A.	48/60	84/96
		M.Phil. in Science and Humanities	36/48	72/84
4.	**Ph.D. Degree in Law**	M.L. / LL.M. in the relevant branch of Law.	36/48	72/84

8. Ph.D. Programme Fees Structure

S. No.	Particulars	Mode of Study			
		Full Time		Part Time	
		National (₹)	International	External (₹)	Internal (₹)
1.	Admission Fee (One-time Fee)	18,000	100% fee waiver	18,000	18,000
2.	Tuition Fee (Per Semester)	18,000		18,000	18,000
3.	Course Work Examination Fee (Per Course ₹1250 * 4 Courses)	5,000		5,000	5,000
4.	Thesis Application Fee	300		300	300
5.	Thesis Evaluation Fee	30,000		30,000	30,000
6.	Extension / Reregistration Fee	10,000		10,000	10,000

9. Stipend for Full Time Ph.D. Scholars

Stream (Duration)	Attractive Stipend (Per Month)
Engineering and Technology (3 Years) Aeronautical | Biomedical | Biotechnology | Civil | CSE | ECE | EEE | IT | Mechanical	₹ 30,000/- (with GATE/NET/National level exam qualification)
Science & Humanities (3 years for M.Phil. / 4 years for others) Chemistry | Computer Science | English | LAW | Mathematics | MBA | Physics	₹ 25,000/- (upon clearing the entrance exam & interview)

10. How to Apply

- Please read the instructions given in the admission brochure carefully before filling up the online application form.
- The Online Application Form, important dates of various Research Activities and Admission Brochure are available on the Institute Academic Research Website for ready reference (URL : https://www.veltech.edu.in/academic-research/)
- You are required to submit the application through ONLINE. No hard copy application will be accepted. No downloadable forms are available. You are advised to take a print-out of your application after filling up the form, and to keep the same with you as a ready reckoner.
- The application fee is Rs.1000/- which is non-refundable. Only Foreign Nationals are exempted from paying the Application Fee. Foreign nationals can only register their names only as full-time scholars.
- Candidates called for written entrance examination / interview / oral presentation / certificate verification should bring with them printed copy of the application submitted through online along with original and photo copies of relevant certificates / documents.

For more clarification kindly refer the page no : 2

RECOGNITIONS & ACHIEVEMENTS

nirf

87th Rank in 2023
Top 100 in
'Engineering' Category
since 2017

ज्ञान-विज्ञान विमुक्तये
UGC
University Grants Commission

All India Council for Technical Education
AICTE

NBA
NATIONAL BOARD OF ACCREDITATION

Aero, Civil, CSE, ECE,
EEE & Mech

nirf-Innovation
National Institutional Ranking Framework for Innovation
Ministry of Education, Government of India

Band 11-50
Top 100 in 'Engineering' Category since 2017

Veltech University
RANKED 1201-1500
www.thewur.com

Veltech University
RANKED 801-1000
FOR ENGINEERING
www.thewur.com

Veltech University
RANKED 251-300
www.thewur.com

Veltech University
RANKED 301-350
www.thewur.com

THE WORLD UNIVERSITY RANKINGS 2023
ASIA
Band 401-500

THE IMPACT RANKINGS 2023 (SDG6)
Band 301-400

THE IMPACT RANKINGS 2023 (SDG9)
Band 301-400

THE IMPACT RANKINGS 2023 (SDG10)
Band 601-800

THE IMPACT RANKINGS 2023 (SDG17)
Band 1001+

THE IMPACT RANKINGS 2023
Band 1001+

cdio™
First Member
from INDIA

VEL TECH
TECHNOLOGY INCUBATOR
India's First Technology Business
Incubator to have NVIDIA DGX-1
AI Super Computer

UIIN
University Industry
Innovation Network

No.42, Avadi - Vel Tech Road, Vel Nagar, Avadi, Chennai - 600 062

Website : www.veltech.edu.in Tollfree : 1800 212 7669