



VIT[®]
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

VIT Research Entrance Examination [VITREE] January - 2025 Session



Information Brochure

Admission to Research Programmes

Ph.D. / Direct Ph.D.

VIT-A place to learn; A chance to grow

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1. ABOUT VIT

Dr. APJ Abdul Kalam was right in saying, “Dreams transform into thoughts and thoughts result in action” because Vellore Institute of Technology (VIT) is a dream of Dr. G. Viswanathan (Chancellor, VIT) come true. Founded in 1984 as Vellore Engineering College, it has grown by leaps and bounds to attain its present status as VIT, one of the premier institutions in India.

Our Strengths in a Nutshell

- ◆ More than 67,000+ students from all quarters of India and also from 54 different countries across the globe.
- ◆ 1900+ fully-qualified and highly experienced faculty and 230 adjunct professors from foreign universities
- ◆ 280+ MoUs with academic and research institutions in India and abroad • 1000 industry partners
- ◆ Highest number of research publications in India as per the Scopus Database (2016-2024)
- ◆ Research Fellowship will be awarded to all the Admitted Full Time Research Scholars by the VIT.

2. ABOUT VITREE 2025 JANUARY SESSION:

Vellore Institute of Technology Research Entrance Examination (VITREE) is conducted for admission to various Ph.D./Direct Ph.D. programmes in VIT group of Institutions. VITREE- January 2025 session will be conducted on 7th December 2024 in 28 cities across India. The duration of the examination will be 2 hours. All questions will be Multiple Choice Questions and one mark for right and '0' mark for the wrong answer. The question paper for Ph.D. will have 100 MCQs (Technical – 70 questions; English communication skills – 15; Statistics and probability – 15 questions) and the question paper for Direct Ph.D. will have 100 MCQs (Technical – 80 questions; English communication skills – 20 questions). The question paper will be in English only.

VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

**A Place to Learn
A Chance to Grow**

VIT - Setting the Benchmark for Excellence in Education!

| | | |
|--|--|--|
| <p>NIRF NATIONAL INSTITUTIONAL RANKING FRAMEWORK 2024, Govt. of India</p> <p>University Rank - 10 Engineering Rank - 11 Research Rank - 13 Overall - 19 Innovation - 11-50 Band</p> | <p>A++ Accredited by NAAC (3.65 out of 4)</p> | <p>SHANGHAI RANKING 2024</p> <p>India Rank - 2 Global Rank - 501-600</p> |
| <p>QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2024</p> <p>11 Subjects ranked among TOP 500 universities in the World</p> | <p>QS WORLD UNIVERSITY RANKINGS 2025</p> <p>Global Rank 791 - 800</p> | <p>QS WORLD UNIVERSITY RANKINGS BY SUBJECT 2024</p> <p>Engineering & Technology (World Rank) 212</p> |
| <p>THE World University Rankings 2024</p> <p>Global Rank 601-800</p> | <p>58 Professors are among the Top 2% Scientists in the world according to a study conducted at Stanford University, USA (*Vellore & Chennai Campuses)</p> | |

3. RESEARCH PROGRAMMES OFFERED IN VIT AT VARIOUS CAMPUSES WITH SCHOOLS AND CENTRES ARE DETAILED BELOW

- **VIT-Vellore campus** only Internal Full -Time [IFT] category is offered.
- **VIT-Chennai campus** Internal Full -Time [IFT] category is offered and Internal-Part Time [IPT is offered only for VIT faculty members].
- **VIT-AP campus** Internal Full Time [IFT] category is offered.
- **VIT-Bhopal campus** both Internal Full Time [IFT] and External Part Time [EPT] categories are offered.

Research Programmes Offered at VIT-Vellore campus:

| School | Specialization | Major Area of Interest | Programmes | | Question paper Code | |
|--|--------------------------------|---|-------------|--------------------|---------------------|--------------------|
| | | | Ph.D. (IFT) | Direct Ph.D. (IFT) | Ph.D. (IFT) | Direct Ph.D. (IFT) |
| School of Advanced Sciences (SAS) | Physics | Physics | ✓ | × | PHY | - |
| | Chemistry | Chemistry | ✓ | × | CHY | - |
| | Mathematics | Mathematics | ✓ | × | MAT | - |
| | Data Science | Data Science | ✓ | × | MAT | - |
| School of Bio Sciences & Technology (SBST) | Bio Sciences and Biotechnology | Bio Sciences and Biotechnology | ✓ | ✓ | BBT | BT |
| | Life Science | Life Science | ✓ | × | SLS | - |
| School of Civil Engineering (SCE) | Civil Engineering | Structural, Geotechnical and Construction Management, Environmental, Water Resources, Transportation and Remote sensing & GIS | ✓ | ✓ | CVL | CI |
| School of Chemical Engineering (SCHEME) | Chemical Engineering | Solid Waste management, Separation Processes- Water treatment - Adsorption studies, Membrane - Colloids and Polymers, Hydrodynamic - Process Modelling simulation | ✓ | ✓ | CEE | CE |

| School | Specialization | Major Area of Interest | Programmes | | Question paper Code | |
|--|---|---|-------------|--------------------|---------------------|--------------------|
| | | | Ph.D. (IFT) | Direct Ph.D. (IFT) | Ph.D. (IFT) | Direct Ph.D. (IFT) |
| School of Computer Science and Engineering (SCOPE) | Computer Science and Engineering / Information Technology | Computer Science and Engineering / Information Technology | ✓ | ✓ | CIE | IT |
| School of Computer Science Engineering and Information Systems (SCORE) | Computer Science and Engineering / Information Technology | Computer Science and Engineering / Information Technology | ✓ | ✓ | CIE | IT |
| School of Electrical Engineering (SELECT) | Electrical and Electronics Engineering | Electrical and Electronics Engineering | ✓ | ✓ | ELE | EE |
| | Electronics and Instrumentation Engineering | Electronics and Instrumentation Engineering | ✓ | ✓ | EIE | EI |
| | Electronics and Communication Engineering | Electronics and Communication Engineering | ✓ | ✓ | ECE | EC |
| School of Electronics Engineering (SENSE) | Electronics and Communication Engineering | Electronics and Communication Engineering | ✓ | ✓ | ECE | EC |
| | Biomedical Engineering | Biomedical Engineering | ✓ | ✓ | BME | BM |
| School of Mechanical Engineering (SMEC) | Mechanical Engineering | Manufacturing Engineering | ✓ | ✓ | MEE | ME |
| | | Automotive Engineering | ✓ | ✓ | | |
| | | Mechatronics | ✓ | ✓ | | |
| | | Design and Automation | ✓ | ✓ | | |
| | | Thermal and Energy Engineering | ✓ | ✓ | | |
| School of Social Sciences and Languages (SSL) | English | English | ✓ | × | ENG | - |
| | Commerce & Accountancy | Commerce & Accountancy | ✓ | × | CMA | - |
| | Psychology | Psychology | × | × | PSY | - |
| | Sociology | Sociology | ✓ | × | SOY | - |
| | Social Work | Social Work | ✓ | × | SLW | - |
| | Economics | Economics | ✓ | × | ECO | - |
| | Tamil | Tamil | × | × | TAM | - |
| | Hindi | Hindi | ✓ | × | HIN | - |
| | French | French | ✓ | × | FRC | - |
| | Historical Studies | Historical Studies | ✓ | × | HIS | - |
| | International Relations | International Relations | ✓ | × | IRA | - |
| | Spanish | Spanish | ✓ | × | SPH | - |
| | Political Science | Political Science | ✓ | × | PSC | - |

| School | Specialization | Major Area of Interest | Programmes | | Question paper Code | |
|---|---------------------------------------|---|-------------|--------------------|---------------------|--------------------|
| | | | Ph.D. (IFT) | Direct Ph.D. (IFT) | Ph.D. (IFT) | Direct Ph.D. (IFT) |
| VIT Business School (VITBS) | Business Administration in Management | General Management - Marketing - HR and OB - Finance, Accounts and Economics - Production, Operations, Systems and Quantitative Methods | ✓ | × | MGT | - |
| VIT School of Design (V-SIGN) | Design | Design, Product Design, Product Semiotics, Ergonomics, Multi Media, Film studies, Digital Media, Communication Studies | ✓ | × | VSD | - |
| School of Hotel & Tourism Management (HOT) | Hospitality Management | Hospitality Management | ✓ | × | HOT | - |
| VIT School of Agricultural Innovations And Advanced Learning. (VAIAL) | Agriculture | Agri-business Management | ✓ | × | ABM | - |
| | | Agronomy | × | × | AGR | - |
| | | Plant Breeding and Genetics | ✓ | × | PBG | - |
| | | Agricultural Biotechnology | × | × | ABT | - |
| | | Agricultural Entomology | ✓ | × | AET | - |
| | | Agricultural Engineering | ✓ | × | AEG | - |
| | | Microbial Technology | × | × | MBT | - |
| | | Food Science and Technology | × | × | FST | - |
| | | Horticulture | ✓ | × | HRT | - |
| | | Agricultural Extension Education | ✓ | × | AEE | - |
| | | Plant Pathology | × | × | PPY | - |
| | | Seed Science and Technology | ✓ | × | SST | - |
| School of Architecture (V-SPARC) | Architecture and Planning | Architecture and Planning | ✓ | × | ATR | - |

| School | Specialization | Major Area of Interest | Programmes | | Question paper Code | |
|--|--------------------------------|--------------------------------|-------------|--------------------|---------------------|--------------------|
| | | | Ph.D. (IFT) | Direct Ph.D. (IFT) | Ph.D. (IFT) | Direct Ph.D. (IFT) |
| School of Health Science and Engineering (SHINE) | Chemistry | Chemistry | ✓ | × | CHY | - |
| | Bio Sciences and Biotechnology | Bio Sciences and Biotechnology | ✓ | × | BBT | - |
| | Mechanical Engineering | Mechanical Engineering | ✓ | × | MEE | - |
| VIT School of Media, Arts and Technology (V-SMART) | Media Arts and Technology | Media, Arts and Technology | ✓ | × | VSM | - |

Research Programmes Offered at VIT - Vellore campus (Centres):

| Centres | Specialization | Major Area of Interest | Programmes | Question paper Code |
|---|---|---|-------------|---------------------|
| | | | Ph.D. (IFT) | Ph.D. (IFT) |
| Centre for Functional Materials (CFM) | Physics | Physics | ✓ | PHY |
| Centre for Nanobiotechnology (CNBT) | Physics | Physics | ✓ | PHY |
| | Chemistry | Chemistry | ✓ | CHY |
| | Life Science | Life Science | ✓ | SLS |
| | Chemical Engineering | Solid Waste management, Separation Processes- Water treatment - Adsorption studies, Membrane - Colloids and Polymers, Hydrodynamic - Process Modelling simulation | ✓ | CEE |
| | Bio Sciences and Biotechnology | Bio Sciences and Biotechnology | ✓ | BBT |
| Technology Information Forecasting and assessment Council (TIFAC) | Mechanical Engineering | Manufacturing Engineering | ✓ | MEE |
| | | Automotive Engineering | ✓ | |
| | | Mechatronics | ✓ | |
| | | Design and Automation | ✓ | |
| | | Thermal and Energy Engineering | ✓ | |
| | Electrical and Electronics Engineering | Electrical and Electronics Engineering | ✓ | ELE |
| | Physics | Physics | ✓ | PHY |
| Chemistry | Chemistry | ✓ | CHY | |
| Centre for Nanotechnology Research (CNR) | Electronics and Communication Engineering | Electronics and Communication Engineering | ✓ | ECE |
| | Mechanical Engineering | Manufacturing Engineering | ✓ | MEE |
| | | Automotive Engineering | ✓ | |
| | | Mechatronics | ✓ | |
| | | Design and Automation | ✓ | |
| | | Thermal and Energy Engineering | ✓ | |

| Centres | Specialization | Major Area of Interest | Programmes | Question paper Code | |
|--|--|---|---------------------------|---------------------|-----|
| | | | Ph.D. (IFT) | Ph.D. (IFT) | |
| Centre for Nanotechnology Research (CNR) | Electrical and Electronics Engineering | Electrical and Electronics Engineering | ✓ | ELE | |
| | Physics | Physics | ✓ | PHY | |
| | Chemistry | Chemistry | ✓ | CHY | |
| | Bio Sciences and Biotechnology | Bio Sciences and Biotechnology | ✓ | BBT | |
| Centre for Biomaterials, Cellular and Molecular Theranostics (CBCMT) | Chemistry | Chemistry | ✓ | CHY | |
| | Bio Sciences and Biotechnology | Bio Sciences and Biotechnology | ✓ | BBT | |
| | Mechanical Engineering | Mechanical Engineering | ✓ | MEE | |
| Centre for Innovative Manufacturing Research (CIMR) | Mechanical Engineering | Mechanical Engineering | ✓ | MEE | |
| | Physics | Physics | ✓ | PHY | |
| Centre for Clean Environment (CCE) | Chemistry | Chemistry | ✓ | CHY | |
| | Mathematics | Mathematics | ✓ | MAT | |
| | Bio Sciences and Biotechnology | Bio Sciences and Biotechnology | ✓ | BBT | |
| | Civil Engineering | Civil Engineering | ✓ | CVL | |
| | Chemical Engineering | Chemical Engineering | ✓ | CEE | |
| | Mechanical Engineering | Manufacturing Engineering | Manufacturing Engineering | ✓ | MEE |
| | | Automotive Engineering | Automotive Engineering | ✓ | |
| | | Mechatronics | Mechatronics | ✓ | |
| Design and Automation | | Design and Automation | ✓ | | |
| Thermal and Energy Engineering | Thermal and Energy Engineering | ✓ | | | |
| Centre for Disaster Mitigation & Management (CDMM) | Civil Engineering | Structural, Geotechnical and Construction Management, Environmental, Water Resources, Transportation and Remote sensing & GIS | ✓ | CVL | |
| | Mathematics | Mathematics | ✓ | MAT | |
| | Physics | Physics | ✓ | PHY | |
| | Bio Sciences and Biotechnology | Bio Sciences and Biotechnology | ✓ | BBT | |

| Centres | Specialization | Major Area of Interest | Programmes | Question Paper Code |
|---|---|---|-------------|---------------------|
| | | | Ph.D. (IFT) | Ph.D. (IFT) |
| Automotive Research Centre (ARC) | Mechanical Engineering | Manufacturing Engineering | ✓ | MEE |
| | | Automotive Engineering | ✓ | |
| | | Mechatronics | ✓ | |
| | | Design and Automation | ✓ | |
| | | Thermal and EnergyEngineering | ✓ | |
| | Electrical and Electronics Engineering | Electrical and Electronics Engineering | ✓ | ELE |
| | Computer Science and Engineering / Information Technology | Computer Science and Engineering / Information Technology | ✓ | CIE |
| Chemistry | Chemistry | ✓ | CHY | |
| CO ₂ Research and Green Technologies Centre (CO ₂) | Physics | Physics | ✓ | PHY |
| | Chemistry | Chemistry | ✓ | CHY |
| | Chemical Engineering | Solid Waste management, Separation Processes- Water treatment - Adsorption studies, Membrane - Colloids and Polymers, Hydrodynamic - Process Modelling simulation | ✓ | CEE |
| | Mechanical Engineering | Manufacturing Engineering | ✓ | MEE |
| | | Automotive Engineering | ✓ | |
| | | Mechatronics | ✓ | |
| | | Design and Automation | ✓ | |
| | Thermal and EnergyEngineering | ✓ | | |
| Bio Sciences and Biotechnology | Bio Sciences and Biotechnology | ✓ | BBT | |

Research Programme offered at VIT Chennai Campus:

| School | Specialization | Major Area of Interest | Programmes | | | Question paper Code | |
|--|---|--|-------------|-------------|--------------------|---------------------|--------------------|
| | | | Ph.D. (IFT) | Ph.D. (IPT) | Direct Ph.D. (IFT) | Ph.D. (IFT) | Direct Ph.D. (IFT) |
| School of Advanced Sciences (SAS) | Mathematics | Mathematics | ✓ | × | × | MAT | - |
| | Chemistry | Chemistry | ✓ | × | × | CHY | - |
| | Geology | Geology | ✓ | × | × | GEO | - |
| | Physics | Physics | ✓ | × | × | PHY | - |
| School of Computer Science and Engineering (SCOPE) | Computer Science and Engineering | Computer Science and Engineering / Information Technology | ✓ | ✓ | ✓ | CIE | IT |
| School of Electrical Engineering (SELECT) | Electrical and Electronics Engineering | Electrical and Electronics Engineering | ✓ | × | × | ELE | - |
| School of Electronics Engineering (SENSE) | Electronics and Communication Engineering | Electronics and Communication Engineering | ✓ | × | ✓ | ECE | EC |
| School of Mechanical Engineering (SMEC) | Mechanical Engineering | Materials and Manufacturing, Design, Mechatronics and Automation, Thermal, Automotive and Energy Engineering | ✓ | × | ✓ | MEE | ME |
| School of Social Sciences and Languages (SSL) | English | English | ✓ | × | × | ENG | - |
| | Sociology | Sociology | ✓ | × | × | SOY | - |
| | Social Work | Social Work | × | × | × | SLW | - |
| | French | French | × | × | × | FRC | - |
| | Economics | Economics | ✓ | × | × | ECO | - |
| | Political Science | Political Science | × | × | × | PSC | - |
| School of Civil Engineering (SCE) | Civil Engineering | Environmental and Structural | ✓ | × | × | CVL | - |
| VIT Business School(VITBS) | Business Administration in Management | Marketing , Human Resource Management , Finance , Systems , Operations & Analytics | ✓ | × | × | MGT | - |
| VIT Fashion Institute of Technology (VFIT) | Fashion Technology | Fashion / Textiles | ✓ | ✓ | × | FTY | - |

| School | Specialization | Major Area of Interest | Programmes | | | Question paper Code | |
|----------------------------|----------------|---|-------------|-------------|--------------------|---------------------|--------------------|
| | | | Ph.D. (IFT) | Ph.D. (IPT) | Direct Ph.D. (IFT) | Ph.D. (IFT) | Direct Ph.D. (IFT) |
| VIT School of Law (VITSOL) | LAW | International Law, Constitutional Law, Labour Law, Administrative Law, Criminal Law, Intellectual Property Rights, Business Law, Environmental Law, Human Rights Law, Cyber Law, International Humanitarian Law | ✓ | ✓ | × | LAW | - |

Research Programmes Offered at VIT-Chennai campus (Centres):

| Centres | Specialization | Major Area of Interest | Programmes | Question Paper Code |
|----------------------------------|---|---|-------------|---------------------|
| | | | Ph.D. (IFT) | Ph.D. (IFT) |
| Centre for Advanced Data Science | Computer Science and Engineering | Computer Science and Engineering / Information Technology | ✓ | CIE |
| Centre for Healthcare (CHAIR) | Electronics and Communication Engineering | Electronics and Communication Engineering | ✓ | ECE |

Research Programmes Offered at VIT-AP campus:

| School | Specialization | Major Area of Interest | Programmes | | | Questionpaper Code | |
|---|---|---|-------------|---------------|--------------------|--------------------|--------------------|
| | | | Ph.D. (IFT) | Ph. D. (IP T) | Direct Ph.D. (IFT) | Ph.D. (IFT) | Direct Ph.D. (IFT) |
| School of Advanced Sciences (SAS) | Physics | Physics | ✓ | ✗ | ✗ | PHY | - |
| | Chemistry | Chemistry | ✓ | ✗ | ✗ | CHY | - |
| | Mathematics | Mathematics | ✓ | ✗ | ✗ | MAT | - |
| | Data Science | Data Science | ✓ | ✗ | ✗ | MAT | - |
| School of Computer Science and Engineering (SCOPE) | Computer Science, Information Technology | Computer Science and Engineering / Information Technology | ✓ | ✗ | ✗ | CIE | - |
| School of Electronics Engineering (SENSE) | Electronics and Communication Engineering | Electronics and Communication Engineering, | ✓ | ✗ | ✗ | ECE | - |
| | Electrical and Electronics Engineering | Electrical and Electronics Engineering | ✓ | ✗ | ✗ | ELE | - |
| School of Mechanical Engineering (SMEC) | Mechanical Engineering | Mechanical Engineering | ✓ | ✗ | ✗ | MEE | - |
| VIT-AP School of Business (VSB) | Management | Management | ✓ | ✗ | ✗ | MGT | - |
| VIT-AP School of LAW(VSL) | Law | Law | ✓ | ✗ | ✗ | LAW | - |
| VIT-AP School of SocialSciences & Humanities (VISH) | English | English | ✓ | ✗ | ✗ | ENG | - |
| | Psychology | Psychology | ✓ | ✗ | ✗ | PSY | - |
| | French | French | ✓ | ✗ | ✗ | FRC | - |
| | Geography | Geography | ✗ | ✗ | ✗ | GPY | - |
| | Economics | Economics | ✓ | ✗ | ✗ | ECO | - |

Research Programmes Offered at VIT-Bhopal campus:

| School | Subject | Major Area of Interest | Programmes | | | Question paper Code | |
|--|---|--|-------------|-------------|-------------------|---------------------|-------------------|
| | | | Ph.D. (IFT) | Ph.D. (EPT) | Direct Ph.D (IFT) | Ph.D. | Direct Ph.D (IFT) |
| School of Advance Science and Languages(SASL) | Mathematics | Fractional Differential equations, Fixed Point theory and applications, Numerical Computational and Statistical Techniques, Artificial intelligence with mathematical approach, Optimization techniques, Mathematical modeling and analysis in bio medical sciences. Fluid dynamics, Statistics | ✓ | ✓ | ✗ | MAT | - |
| | Physics | Computational Biophysics, Molecular Modeling, Solar Physics, Space Weather, Ionospheric Physics, Atmospheric Sciences, Ionospheric Plasma, Space communication(GPS), Material Science, Photonics, Photo electro chemistry, Soft Condensed Matter Physics, Advanced materials for energy harvesting and storage, Optics and Optical Instrumentation, Time series analysis of complex systems. | ✓ | ✓ | ✗ | PHY | - |
| | Chemistry | Computational Chemistry, Molecular Modeling, Quantum Chemistry, Computational Biochemistry, Electrochemistry, Corrosion Inhibitors, Aqueous Solutions. | ✓ | ✓ | ✗ | CHY | - |
| | English | English Literature, Language Teaching, Theoretical & Applied Linguistics, English Language teaching | ✓ | ✓ | ✗ | ENG | - |
| School of Biosciences, Engineering and Technology (SBET) | Biosciences, Engineering and Technology | Molecular Photonics, Biomedical Sciences, Public Health, Health Informatics, Drug Delivery & Bioinformatics, Biotechnology | ✓ | ✓ | ✗ | BBT | - |
| School of Computing Science and Engineering (SCSE) | Computer Science and Engineering / Information Technology | Computer Science, Information Technology, Core Computing Sciences, Artificial Intelligence & Machine Learning, Data Science, Cyber Security & Digital Forensics, Gaming Technology, Human-Computer Interaction | ✓ | ✓ | ✓ | CIE | IT |

| School | Subject | Major Area of Interest | Programmes | | Question paper Code |
|---|---|--|-------------|-------------|---------------------|
| | | | Ph.D. (IFT) | Ph.D. (EPT) | Ph.D. |
| School of Electrical and Electronics Engineering (SEEE) | Electrical and Electronics Engineering | Electrical Engineering, Electronics Engineering, VLSI, Computer Vision & Image Processing, Antenna Systems, IoT, Advance communication Systems, Non-Linear Communication Systems | ✓ | ✓ | ELE |
| | Electronics and Communication Engineering | | ✓ | ✓ | ECE |
| School of Mechanical Engineering (SMEC) | Mechanical Engineering | Mechanical Engineering | ✓ | ✓ | MEE |
| | | Materials | | | |
| | | Manufacturing | | | |
| | | CFD | | | |
| | | Design | | | |
| | | Thermal Science | | | |
| | | Robotics & Automation | | | |
| Aerospace | | | | | |
| VIT Business School (VITBS) | Business Administration in Management | Finance | ✓ | ✓ | MGT |
| | | IT & Analytics, Economics | ✓ | ✓ | |

4. Minimum Qualification for Admission

Ph.D. in Engineering Stream:

- 10+2+4+2 (pattern of studies) or any equivalent in Engineering degree
- 10+2+5 year Integrated M.Tech. programme, Integrated M.S Programme in Engineering
- 10+2+4+1 for Ph.D. in Engineering (Foreign Degree holders also eligible to apply)

Ph.D. in Non-Engineering Stream:

- 10+2+3+2 (pattern of studies) or any equivalent in Non-Engineering degree
- 10+2+5 year Integrated. M.Sc. (Biotech) in Non-Engineering degree

Direct Ph.D. in Engineering Stream:

- 10+2+4 or 5 (pattern of studies) or any equivalent degree in Engineering degree

Direct Ph.D. in Non-Engineering Stream:

- 10+2+4 year B. Sc. (Agriculture – 4 year course) is eligible to register under School of Bio Sciences and Technology

Ph.D. in Engineering:

Master's degree in Engineering / Technology in the relevant discipline with a minimum of 60% marks (of all the years / semesters) wherever marks are awarded, or a CGPA 6.5 on a 10-point scale in cases where letter grades are awarded or Equivalent qualifications like M.Sc. (Engineering) / M.S. [By Research] / M.Tech. [By Research].

M.Sc. Computer Science, M.Sc. (IT), and MCA degree holders are eligible to apply for a Ph.D. Programme in Computer Science Engineering / Information Technology.

For all research programmes, it is mandatory that candidates should have studied their previous degree programmes (UG and PG) in the regular, full-time mode.

For Direct Ph.D. in Engineering / Technology:

Graduates must have an outstanding academic record in their Bachelor's Degree in Engineering / Technology is eligible to apply. A minimum of 75% marks or a CGPA of 7.5 is mandatory on a 10-point scale.

For Direct Ph.D. in Non-Engineering Stream:

Graduates must have an outstanding academic record in their Bachelor's Degree in B.Sc. (Agriculture – 4 year course) is eligible to apply. A minimum of 75% marks or a CGPA of 7.5 is mandatory on a 10-point scale.

For Ph.D. in Sciences:

Master's degree in the relevant discipline of science with a minimum of 60% marks or a CGPA of 6.5 on a 10-point scale is mandatory.

For Ph.D. in Languages:

Master's degree in the relevant discipline of Social sciences and Languages with a minimum of 60% marks or a CGPA of 6.5 on a 10-point scale is mandatory.

For Ph.D. in Management:

A master's degree in Business Administration / CA / ICWA / M.A. Economics / M.Com / M.Tech with a minimum of 60% marks or a CGPA of 6.5 on a 10-point scale is needed.

For Ph.D. in Hospitality Management: (Offered in Vellore Campus Only)

Candidates must have a master's degree in Hotel Management {(MHM, M.Sc.-HM, MHMCT, MBA (Hospitality))} or Tourism Management {MA (Tourism), MTM, MTTM, MBA (Tourism)} from any accredited Indian or Foreign university with a minimum of 60% marks or a CGPA of 6.5 on a 10-point scale.

For Ph.D. in Design & Planning: (Offered in Vellore Campus Only)

A master's degree in Design / Planning, M.Tech, M.E., MSc (Physiology), any master's degree in Arts, Media Studies, Multimedia and Animation in full-time or regular mode of education with 60% marks, or a CGPA of 6.5, on a 10-point scale is mandatory.

For Ph.D. in Architecture and Planning (Offered in Vellore Campus Only)

Candidates should have a bachelor's degree in Architecture/ Planning and a master's degree in Architecture/ Design/Planning/Building Engineering and Management or its equivalent in full-time or regular mode of education with an aggregate of 60% (of all the years/semesters) or a CGPA of 6.5 on a 10-point scale wherever letter grades are awarded.

For Ph.D. in Media, Arts and Technology (Offered in Vellore Campus Only)

A relevant Master's degree in Communication / Journalism & Mass Communication / Electronic Media / Media Arts / Multimedia or equivalent in full time mode with 60% marks, or a CGPA of 6.5 on a 10-point scale is mandatory.

Eligibility for Ph.D. in Agriculture (Offered in Vellore Campus Only)**1. Agronomy**

M.Sc. (Agriculture) in Agronomy with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

2. Plant Breeding and Genetics

M.Sc. (Agriculture) in Plant Breeding and Genetics with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

3. Agricultural Biotechnology

M.Sc. or M.Tech in Agricultural Biotechnology / Biotechnology / Molecular Biology and Biotechnology or an M.Sc. in any other relevant agriculture subjects with a minimum of 60% marks or a 6.5 CGPA on a 10-point scale

4. Agricultural Entomology

M.Sc. (Agriculture) in Agricultural Entomology with a minimum of 60% marks or a 6.5 CGPA on a 10-point scale

5. Agricultural Engineering

B.E/ B.Tech in Agricultural/Environmental/Civil/Mechanical or any equivalent discipline and M.E/M.Tech in Soil and Water Conservation /Environmental/ Land and Water Resource/ Irrigation/ Farm Machinery and Power engineering or any other equivalent discipline with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

6. Microbial Technology

M.Sc. Microbiology, M.Sc. Biotechnology, M.Sc. Biochemistry, M.Sc. Agricultural Microbiology with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

7. Food Science and Technology

Master's degree in Food Science / Food Science and Technology / Food Technology / Food Processing / Post Harvest Technology / Dairy Technology and related disciplines with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

8. Horticulture

M.Sc. Horticulture (Vegetable Science)/ Horticulture (Fruit Science) with specialization in the specific subjects with a minimum of 60%marks or 6.5 CGPA on a 10-point scale.

9. Agricultural Extension Education

Master's degree in Agricultural Extension/Agricultural Extension & Communication / Agricultural Extension Education/Veterinary Extension/Dairy Extension/Fisheries Extension with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

10. Agri-business Management

Master's degree in Agri-business Management, /Agricultural Marketing & Co-operation / Agricultural Economics/ Business Management with specialization in Agriculture with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

11. Plant Pathology

M.Sc. Plant Pathology with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

12. Seed science and Technology

M.Sc. Seed science and Technology with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

Eligibility for Ph.D. in Law: (Offered in VIT-Chennai & VIT-AP Campuses Only) Master's Degree in law (LLM / ML) from any recognized university / Institute, in the relevant field with a minimum of 60% marks or 6.5 CGPA on a 10-point scale.

Eligibility for Ph.D. in Fashion Technology: (Offered in Chennai Campus Only)

Master's degree in the relevant areas of Technology, Design / Science (or) Management (or) equivalent qualification from an institute/ university of national/ international repute with a first class or a minimum of 60% marks/CGPA 6.5 on a 10-point scale.

Relevant Areas

1. **Technology-** M.E / M.Tech. / M. Fashion Tech. / M.S [By Research] / M.Tech [By Research] in the field of Textile Tech. / Textile Engg. / Fibre Science / Textile Chemistry / Textile Chemical Processing / Fashion Tech. / Apparel Tech. / Garment Technology.
2. **Design / Science -** M.Design / M.Sc. in the field Costume Design and Fashion / Apparel Design / Fashion Design / Apparel and Fashion Design / Textile Design / Textile and Apparel Design / Knit-wear Design / Accessory Design is needed.
3. **Management -** Candidates must have a master's degree in the field of Fashion Management / Apparel Management / Fashion Marketing/ Fashion Merchandising.

5. Category and Eligibility

Eligibility for Internal Full Time:

A candidate who wishes to work for Ph.D. / Direct Ph.D. degree on full-time basis (including project staff working in sponsored projects being carried out at VIT) should apply in the prescribed form on or before the specified date.

Eligibility for External Part-Time: (Offered in VIT-Bhopal Campus only)

Teachers working in other colleges in a permanent position and candidates sponsored by R&D organizations of following categories are eligible to apply to work on a part time basis for Ph.D.

- Laboratories run by the Council of Scientific and Industrial Research/ Department of Atomic Energy / Department of Space etc.
- Public Sector undertakings with R & D Units.
- Private Industries recognized by The Department of Scientific and Industrial Research, *Government of India* as engaged in R&D work or contributing to R&D efforts. A copy of the certificate issued by the Department of Scientific and Industrial Research (DSIR) in this regard will be required to be produced in such cases.
- Medical Industry, Institutions and Hospitals with approved R&D in the relevant area. (A copy of the certificate issued by the appropriate authority to be produced).

6. Selection Procedure for Foreign Nationals / NRI Candidates:

Foreign nationals / NRI candidates can only register as full-time scholars through separate link: <https://admissions.vit.ac.in/irapplicationpg/>

Foreign Nationals Guidelines:

The following are eligible to apply for a Ph.D. programme:

- Candidates of foreign nationality who hold degrees from Indian Universities seeking admission to research programmes with the necessary clearance from the Government of India (The Ministry of Human Resource Development)
- Candidates mentioned above who possess a valid visa will be treated on par with Indian nationals for purposes of admission to the Institute.
- Foreign nationals with foreign degrees who meet the minimum educational requirements as given in Section 3
- Foreign nationals whose degrees are equivalent to Indian degrees mentioned in Section 3 in Engineering / Technology / Science and who hold a good academic record
- International candidates who have a good working knowledge of English.

Please Note: Candidates with valid GRE and TOEFL scores will be given preference. The case of each foreign applicant will be examined and admission will be offered purely on merit. The fee is payable only as USD.

NRI Guidelines:

Indian nationals having degrees from Indian universities and whose parents work outside India may apply as NRI candidates. After receiving their application and required documents, they will be interviewed via Skype or other standard meeting platforms web technology. The fee is payable only as USD.

7. Minimum Duration of Study

Doctor of Philosophy(Ph.D.)

The minimum duration of study and research from the date of registration for the Ph.D. programme to the date of submission of thesis will be 30 months for full-time research scholars and 36 months for part-time research scholars.

Direct Ph.D.

The minimum duration of study and research from the date of registration for the Direct Ph.D. programme to the date of submission of thesis will be 4 years.

8. Selection Procedure for National Candidates

Ph.D.

Selection will be based on the performance in the VITREE – January 2025 score, PG degree marks, research proposal, and personal interview. Candidates who fulfil the eligibility criteria prescribed, shall appear for VITREE - January 2025, a two-hour Computer-Based Test (CBT). VITREE will be conducted on 7th December 2024. The question paper will have 100 MCQs (Technical – 70 questions; English communication skills – 15 questions; Statistics and probability – 15 questions). Candidates may choose their venue and the campus where they wish to pursue their Ph.D. Change of Campus, Venue, Date of Entrance Exam, Interview and specialization will not be permitted.

The shortlisted candidates should appear for personal interview. Refer the important dates in the page No.20. The selected candidates for admission will be intimated through email / SMS.

Direct Ph.D.

Selection based on the performance in the VITREE – January 2025 score, B.E. / B.Tech degree marks, research proposal and personal interview. Candidates who fulfil the eligibility criteria prescribed, shall appear for VITREE – January 2025, a two-hour Computer-Based Test (CBT). VITREE will be conducted on 7th December 2024. The question paper will have 100 MCQs (Technical – 80 questions; English communication skills – 20 questions). Candidates may choose their venue and the campus where they wish to pursue their Ph.D. Change of Campus, Venue, Date of Entrance Exam, Interview and specialization will not be permitted.

Shortlisted candidates should appear for a personal interview. Please refer the important dates in the page No.20. The selected candidates for admission will be intimated through email / SMS.

9. Tuition Fees

| Programmes | Caution Deposit | Tuition Fee per Annum | Thesis Fee* |
|-------------------------------------|-----------------|-----------------------|-------------|
| Ph.D. Internal Full-Time | ₹ 3,000 | ₹ 40,000 | ₹ 10,000 |
| Ph.D. External Part-Time (Teachers) | ₹ 3,000 | ₹ 60,000 | ₹ 10,000 |
| Ph.D. External Part-Time (Industry) | ₹ 3,000 | ₹ 75,000 | ₹ 10,000 |
| Direct Ph.D. | ₹ 3,000 | ₹ 40,000 | ₹ 10,000 |

*** Thesis fee to be paid at the time of submission only**

10. Research Fellowship (Ph.D)

| VIT Fellowship | GATE Qualified (Above 60 Percentile) | Others |
|----------------|---|----------|
| First year | ₹ 31,000 | ₹ 25,000 |
| Second year | ₹ 35,000 | ₹ 31,000 |
| Third year | ₹ 35,000 | ₹ 31,000 |

11. Research Fellowship (Direct Ph.D)

| VIT Fellowship | GATE Qualified (Above 60 Percentile) | Others |
|-----------------------|---|----------|
| First Two years | ₹ 21,000 | ₹ 16,000 |
| Third and Fourth year | ₹ 30,000 | ₹ 25,000 |

- Dr. A.P.J. Abdul Kalam Award for review paper publications.
- Apart from this, scholars are encouraged to apply for JRF (CSIR / UGC) / Inspire Fellowships / Rajiv Gandhi Scholarships and other Govt. scholarships.
- Raman Research Award up to ₹ 1 lakh for research publications exclusively for scholars.

12. Other Information

- December 2024 qualifying degree or result awaited candidates are also eligible to apply for VITREE.
- Application fee (Rs.1200/-with GST) will not be refunded under any circumstances.
- Tuition fee will not be refunded under any circumstances.
- Hostel accommodation is available for research scholars.
- All suits and actions arising out of, or relating to, VIT shall be instituted within the jurisdiction of courts at Vellore, Tamil Nadu.
- For queries related to research, please contact respective campus Dean Academic Research

- (i) Vellore : dean.ar@vit.ac.in
- (ii) Chennai : deancc.acadresearch@vit.ac.in
- (iii) VIT-AP : dean.acadresearch@vitap.ac.in
- (iv) VIT-Bhopal : dean.research@vitbhopal.ac.in

13. Important Instructions Pertaining to Computer-Based Test for VITREE – January 2025 Session:

| Date | Session | Test Cities |
|------------|--|-------------|
| | Afternoon (2:30 PM to 4:30 PM) | |
| 07-12-2024 | Ph.D./Direct Ph.D. | 28 |

- Candidates are expected to arrive at the examination hall at least 1 hour before the commencement of examination, with their admit-card (hard-copy). If a candidate does not report on time, he / she is likely to miss the general instructions given in the exam hall.
- Candidates will not be permitted to enter the examination hall after 02.15 pm.
- Candidates are instructed to complete registration process with the help of hall invigilators.
- Each candidate will be allotted a computer by the hall invigilator to take the CBT.
- Candidates are not permitted to carry any text material (printed / written), slide rulers, log tables, electronic watches with facility of calculator, mobile phones or any other electronic devices.
- Candidate should bring a pencil or pen to carry out any rough calculations. A scratch pad will be provided during the CBT.
- The test will start exactly at the time specified in the admit-card and an announcement will be made by invigilator at the start, and at the end of the exam.
- During the exam process, the hall Invigilator can request for the admit-card for verification of the candidate's identity.
- The CBT comprises of Multiple Choice Questions (MCQ) with the question number and the time left for the exam to be completed appearing at the top center of the computer screen.
- Candidate will not be permitted to take extra time under any circumstances, unless and otherwise permitted by the Centre Superintendents.
- For each question, candidates should select the right option using the mouse.
- Candidates will not be permitted to leave the exam hall until the completion of the exam.
- Candidates are requested to keep the admit-card safely with them and bring it during the admission process. Candidate should produce the admit-card on demand.

14. Test Cities-VITREE 2025 January Session

| Date and Day | Afternoon Session | Total test centres |
|-----------------------|----------------------|--------------------|
| 07.12.2024 (Saturday) | 02.30 pm to 04.30 pm | 28 |

| STATE | CITY |
|----------------|--------------------|
| Andhra Pradesh | Amaravati (AP) |
| | Vishakapatnam |
| | Ananthapur |
| | Tirupati |
| Assam | Guwahati |
| Bihar | Patna |
| Delhi | Delhi |
| Karnataka | Bengaluru |
| Kerala | Kochi |
| | Thiruvananthapuram |
| | Thrissur |
| | Kozhikode |
| Madhya Pradesh | Bhopal |
| Maharashtra | Mumbai |
| | Pune |

| STATE | CITY |
|---------------|-------------|
| Odisha | Bhubaneswar |
| Puducherry | Puducherry |
| Telangana | Hyderabad |
| Uttar Pradesh | Lucknow |
| Tamil Nadu | Chennai |
| | Coimbatore |
| | Krishnagiri |
| | Madurai |
| | Nagercoil |
| | Salem |
| Tamil Nadu | Trichy |
| | Vellore |
| | Kolkata |
| West Bengal | Kolkata |

15. Important Dates (Tentative)

| | |
|--|--------------------------------------|
| Issue of online application | 5 th September 2024 (Thu) |
| Last date for submission of Online application | 25 th November 2024 (Mon) |
| Date of VITREE through Computer Based Test | 7 th December 2024 (Sat) |
| Date of personal interview * | 14 th December 2024 (Sat) |
| Declaration of results | 20 th December 2024 (Fri) |
| Last date for selecting a research guide | 31 st December 2024 (Fri) |
| Last date for paying tuition fees through online | 31 st December 2024 (Fri) |
| Reporting in person at VIT, Vellore | January 2025 |

* All students appearing for the VITREE are eligible to attend the Interview

* The Interview will be conducted online.



CONTACT INFORMATION:

| | |
|--|--|
| <p>VIT-Vellore: Director - PG Admissions VIT Vellore Vellore- 632014, Tamil Nadu, INDIA Phone:+91-416 220 2188 Fax: +91-416 22430922 Email: researchadmission@vit.ac.in Website: www.vit.ac.in</p> | <p>VIT-Chennai: Deputy Director - Admissions VIT Chennai Vandalur - Kelambakkam Road Chennai - 600 127, Tamil Nadu, INDIA Phone:+91-44 3993 1555 Email: chennai.dydiradmission@vit.ac.in</p> |
| <p>VIT-AP: Deputy Director - Admissions VIT AP University Inavolu, (Beside AP Secretariat) Near Vijayawada, 522 237 Andhra Pradesh, INDIA Phone : 0863 2370444 / 7901091283 Email deputydir.admissions@vitap.ac.in</p> | <p>VIT-Bhopal: Assistant Director - Admissions VIT Bhopal University Bhopal-Indore Highway Kothrikalan, Sehore Madhya Pradesh - 466114 Phone : 91756025 4500/ 501/ 502 WhatsApp: 73586 13555, 73586 21555 Email: ad.admission@vitbhopal.ac.in</p> |