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.

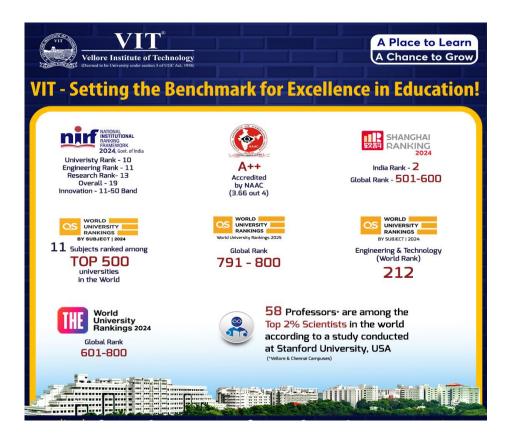*VIT-A place to learn; A chance to grow*

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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.

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] categoriesare 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)	Deep Tech 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 paperCode	
			Ph.D. (IFT)	Direct Ph.D. (IFT)	Deep Tech Ph.D (IFT)	Ph.D. (IFT)	Direct Ph.D. (IFT)
School of Computer Science and Engineering (SCOPE)	Computer Science andEngineering / Information Technology	Computer Science and Engineering / Information Technology	✓	✓	✓	CIE	IT
School of Computer Science Engineering and Information Systems (SCORE)	Computer Science andEngineering / 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)	Deep Tech 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 andTechnology	✕	✕	✕	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)	Deep Tech Ph.D (IFT)	Ph.D. (IFT)	Direct Ph.D. (IFT)
School of Healthcare Science and Engineering (SHINE)	Bio Sciences and Biotechnology	Bio Sciences and Biotechnology	✓	✗	✓	BBT	-
	Mechanical Engineering	Mechanical Engineering	✓	✗	✓	MEE	-
	Biomedical Engineering	Biomedical Engineering	✓	✓	✓	BME	-
	Electrical and Electronics Engineering	Electrical and Electronics Engineering	✓	✓	✓	ELE	-
	Electronics and Instrumentation Engineering	Electronics and Instrumentation Engineering	✓	✓	✓	EIE	-
	Electronics and Communication Engineering	Electronics and Communication Engineering	✓	✓	✓	ECE	-
	Computer Science and Engineering / Information Technology	Computer Science and Engineering / InformationTechnology	✓	✓	✓	CIE	-
	Data Science	Data Science	✓	✗	✓	MAT	-
	Design	Design, Product Design, Product Semiotics, Ergonomics, Multi Media, Film studies, Digital Media, Communication Studies	✓	✗	✓	VSD	-
	Health Science	Health Science	✓	✗	✓	HSC	-
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 Ph.D. (IFT)	Question paper Code 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 Ph.D. (IFT)	Question paper Code 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	✓	MEE
		Automotive Engineering	✓	
		Mechatronics	✓	
		Design and Automation	✓	
		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 Energy Engineering	✓	
	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 Energy Engineering	✓	
	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)	Deep Tech 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 PaperCode
			Ph.D. (IFT)	Deep Tech 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 CommunicatioNEngineering	Electronics and CommunicatioNEngineering	✓	✓	ECE

Research Programmes Offered at VIT-AP campus:

School	Specialization	Major Area of Interest	Programmes				Questionpaper Code	
			Ph.D. (IFT)	Ph.D. (IPT)	Direct Ph.D. (IFT)	Deep Tech 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 Social Sciences & 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 andapplications, 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, SoftCondensed Matter Physics, Advanced materials for energy harvesting and storage, Optics and Optical Instrumentation, Time series analysis ofcomplex 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 caseswhere 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-pointscale.

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-pointscale.

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-pointscale 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 aCGPA 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-pointscale.

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-timeor regular mode of education with an aggregate of 60% (of all the years/semesters) or a CGPA of 6.5on 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 6.5CGPA on a10-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 6.5CGPA ona 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%marksor 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 Extensionwith a minimum of60% 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 Healthcare Science and Engineering (Offered in Vellore Campus Only)

Master's degree in Bioengineering, Biomedical, Biotechnology, Electrical and Electronics, Computer Science, Chemical, Instrumentation, Data Science, Design, Bioinformatics

M.Sc. – Health Sciences, Medical Physics, Computer sciences, Physics, Chemistry, Mathematics, Material Science, Biological/Biochemical Sciences, Life Sciences.

MBBS/MS/MD/BDS/MDS/Diploma in National Board (DNB)

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 ApparelDesign / 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. Eligibility for "Deep Tech Research" Chancellor Fellowship (Offered in Vellore, Chennai and AP Campus Only)

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 or Master's degree in Engineering / Technology in the relevant discipline with a minimum of 75% marks (of all the years /semesters) wherever marks are awarded, or a CGPA 7.5 on a 10-point scale in cases where letter grades are awarded or Equivalent qualifications like M.Sc. Data Science / M.Sc. (Engineering) / M.S. [By Research] / M.Tech. [By Research] in full-time or regular mode of education is mandatory

<u>Research Domains identified</u>

- Artificial Intelligence/Generative AI (Healthcare/Climate/Environment/Energy/Finance)
- Machine Learning/Deep Learning
- Wireless Networks/IOT
- Image and Vision Computing
- Autonomous Robot
- Quantum Computing
- Cyber Security
- Space Technologies
- Blockchain Technologies
- Precision Agriculture
- Sustainable development
- Biotechnology (Genomics/Synthetic Biology/Food production/Fuel)
- Any other areas mentioned by NITI Ayog

Chancellor Fellowship (Ph.D)

VIT Fellowship	GATE Qualified (Above 60 Percentile)	Others
First year	₹ 40,000	₹ 35,000
Second year	₹ 50,000	₹ 45,000
Third year	₹ 50,000	₹ 45,000

6. 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 onor 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&Dorganizations 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).

7. 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 **f**ee is payable only as USD.

NRI Guidelines:

Indian nationals having degrees from Indian universities and whose parents work outside India mayapply 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.

8. 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.

9. 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 appearfor 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; Englishcommunication 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; Englishcommunication skills – 20 questions). Candidates may choose their venue and the campus where theywish 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 thepage No.20. The selected candidates for admission will be intimated through email / SMS.

10.   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

11. Research Fellowship (Ph.D) Vellore, Chennai and AP Campus only

VIT Fellowship	GATE Qualified (Above 60 Percentile)	Others
First year	₹ 35,000	₹ 31,000
Second year	₹ 40,000	₹ 35,000
Third year	₹ 40,000	₹ 35,000

12. Research Fellowship (Direct Ph.D) Vellore and Chennai Campus only

VIT Fellowship	GATE Qualified (Above 60 Percentile)	Others
First Two years	₹ 26,000	₹ 21,000
Third and Fourth year	₹ 35,000	₹ 30,000

13. Research Fellowship (Ph.D) Bhopal Campus

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

14. Research Fellowship (Direct Ph.D) Bhopal Campus

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.

15. 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

16. 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.
- In the VITREE exam, if a candidates does not attempt any of the questions or scores zero marks, they will not be assigned a rank.

17. 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
	Trichy
	Vellore
West Bengal	Kolkata

18. Important Dates (Tentative)

Issue of online application	5th September 2024 (Thu)
Last date for submission of Online application	25th November 2024 (Mon)
Date of VITREE through Computer Based Test	7th December 2024 (Sat)
Date of personal interview (hybrid mode) *	14th December 2024 (Sat)
Declaration of results	20th December 2024 (Fri)
Last date for selecting a research guide	31st December 2024 (Fri)
Last date for paying tuition fees through online	31st 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 hybrid mode.

CONTACT INFORMATION:

VIT-Vellore:
Director - PG Admissions
VIT Vellore
Vellore- 632014, Tamil
Nadu, INDIA
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Email: researchadmission@vit.ac.in
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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

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

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

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