Admission to
Integrated M.Sc Programmes 2020-21

Biotechnology

INFORMATION BROCHURE
A place to learn; a chance to grow
# Index

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1. Introduction

Vellore Institute of Technology (VIT) was founded in 1984 as Vellore Engineering College by the Chancellor Dr. G. Viswanathan. VIT now has more than 45,000 students from 54 different countries and from all the states of India. It houses the rich expertise of 1700+ faculty members and 190 foreign adjunct professors. It has signed more than 230 MoUs with academic and research institutions in India and abroad, and has made connection with 1000 industry partners. VIT thus, has established a right culture of diversity and inclusivity in the campus; it welcomes unconventional thoughts, cross fertilization of ideas, autonomy, multi and transdisciplinary approaches. VIT has published the highest number of research papers in India as per Scopus Database in 2016, 2017, 2018 and 2019.

VIT has introduced many innovations in academic processes which adds value to every student. FFCS (Fully Flexible Credit System), PBL (Project Based Learning) for better learning, fully digitized academic portals that assists students in equipping themselves for 2020 market place. Hackathons / Makeathons as part of curriculum exercise which kindles the interest and the curiosity of students, which moulds them to be better problem solvers. 8th module in every subject being handled by industry experts, make the students contextualize the concepts they study in the classroom. These are a few of the innovations that VIT has introduced.
2. Programme Offered

The following are the Campus wise Courses open to admission for the Academic year 2020-21:

Vellore Campus

- Integrated M.Sc. Biotechnology (5 Year)

VIT Bhopal Campus

- Integrated M.Sc. Biotechnology (5 Year)

2A. About the programme

The Integrated M.Sc. Biotechnology programme is a 5 year integrated course offered in VIT Vellore, TN & VIT Bhopal campuses only.

Programme Educational Objectives:

- Excel in professional career and/or higher education by acquiring a solid foundation in science, mathematics, and advanced communication engineering and technologies
- Develop and apply engineering solutions for solving contemporary, social and human issues with realistic constraints suitable for the present need through the use of modern tools.
- Exhibit professional and ethical standards, effective communication skills, teamwork spirit, multi-disciplinary and trans disciplinary approach for successful careers and to be able to compete globally, function as leaders, as entrepreneurs, and manage information efficiently and to engage in lifelong learning

Programme Outcome:

- A clear understanding of the subject related concepts and of contemporary issues
- Problem solving ability- solving social issues and engineering problems
- A clear understanding of professional and ethical responsibility
- Interest in lifelong learning
- Adaptive thinking and adaptability
Cross cultural competency exhibited by working in teams

An ability to design and conduct experiments, as well as to analyze and interpret data

A good working knowledge of communicating in English

An ability to use techniques, skills and modern engineering tools necessary for engineering practice

A good cognitive load management [discriminate and filter the available data] skills

Programme Specific Outcome:

Gain and apply knowledge to plan, analyze and find innovative solutions in the field of biological sciences

Explore problems and provide valid solutions through the industry-academia interactions.

Acquire interdisciplinary knowledge in the areas of biological, chemical, environmental and technical sciences for the benefit of society.

Scope of Employment:

Graduates will have a broad scope in the field of biotechnology.

The opportunities are enormous in India and abroad.

The field of biotechnology is expected to grow exponentially in the coming years offering opportunities in the field of research, engineering, industry, consultancy, and entrepreneurship.

Programme Core Courses:

Molecular biology / Bioprocess Technology / Immuno-technology / Enzyme Technology / Analytical Instrumentation / Pharmaceutical Biotechnology / Genetic Engineering / Animal Biotechnology / Plant Biotechnology.

Elective Courses:

Biomedical Engineering / Tissue Engineering / Management Bioethics.
.3. ELIGIBILITY & FEES

3.1. Nationality

The applicants for admission should be a Resident Indian National and should have studied in regular, full time and formal education schools located in India in the preceding two years.

<table>
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<tr>
<th>PROGRAMMES</th>
<th>ELIGIBILITY</th>
<th>FEES (INR) (1-5 years)</th>
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<tbody>
<tr>
<td>Integrated M.Sc. (Biotechnology)</td>
<td>A pass in Higher Secondary Examination conducted by the State / Central Board of Secondary Education or its equivalent examination with Physics, Chemistry, Biology or Botany / Zoology as subjects with a minimum of 60% overall marks. Age Limit: Date of Birth falls on or after 01.07.2000</td>
<td>75,000</td>
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(Caution Deposit Rs.2000/- for 1st year only)

- NRI/ Foreigners should apply separate application link: [https://vit.ac.in/admissions/international/integrated](https://vit.ac.in/admissions/international/integrated)
  Fees of the program is $3500 per year.

Note:

- The qualifying marks is relaxed by 10 % i.e. 50% in Overall Aggregate for applicants belong to SC/ST and applicants hailing from Jammu & Kashmir and the North Eastern states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura.
- Applicants belonging to SC/ST category must fill in the proforma as given in Appendix-II and have it attested by a competent authority (The list of authorities empowered for the same is given in Appendix-II.)
- Applicants hailing from Jammu & Kashmir and the North Eastern states of Arunachal Pradesh, Assam, Manipur, Meghalaya, Mizoram, Nagaland, Sikkim and Tripura. They should fill in the Nativity Certificate given in Appendix-I.
- Applicants from NIOS / Correspondence mode are not eligible to apply.

4. Admission procedure

- Applicants will be called for counselling in the order of merit based on the aggregate of marks (rounded to 2 decimal points) secured overall subjects in the +2 / Higher Secondary Examination.
- In case the aggregate is same, the order of merit will be decided based on the best scores in Physics, Chemistry, Biology or Botany / Zoology sequentially and in case of tie, the age i.e. older applicants are given priority.
5. Online application / Mobile App:

Cost of Application Rs.600/- (Including GST)

- The online application/Mobile App is available in the website: [https://vit.ac.in/all-courses/pg](https://vit.ac.in/all-courses/pg)
- Last date to apply and upload documents in online 22.05.2020
- To be assured that uploaded documents should be clearly visible, otherwise your application will be rejected.

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<tr>
<th>Documents Upload</th>
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<tr>
<td></td>
<td>1. Class-X mark sheet as a proof of date of birth</td>
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<tr>
<td></td>
<td>2. Class-XII mark sheet of Qualifying Examination of all attempts</td>
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6. COUNSELLING:

- Tentative date for Counselling 18.06.2020.
- The Required Documents in originals are needed for verification (If not given already, a set of photocopies may be provided)
- It is mandatory to bring Rs. 12,000/- as Demand Draft drawn in favour of “Vellore Institute of Technology”, Payable at Vellore.
- This fee includes counseling fee Rs.7080/- (which is Non Refundable) and Rs. 4920/- advance fee which will be refunded on cancellation of admission.
- The counselling fee and advance fee will be adjusted against tuition fee on joining the programme.
- Applicants without the DD for the said amount will not be permitted to attend the counselling
- More than the required number of candidates has been called for counselling hence more participation in counselling does not guarantee admission.
- Allotment of seat for a programme and campus once made is final and cannot be changed under any circumstances.
- If the applicant fails to qualify in the prescribed qualifying examination, the provisional admission accorded will stand cancelled and the fee remitted will be forfeited.
7. DOCUMENTS TO BE SUBMITTED AT THE TIME OF ADMISSION

The following documents are required to be submitted at the time of Admission:

- Class-X mark sheet as a proof of date of birth
- Class-XII mark sheet of Qualifying Examination of all attempts
- Migration / Transfer / School Leaving Certificate (Original)
- Conduct Certificate (Original)
- Copy of Provisional Admission Letter.
- 4 no’s of recent passport size colour photographs
- Affidavit - Student and Parents [http://www.vit.ac.in/files/admissions/Affidavit_Student.pdf](http://www.vit.ac.in/files/admissions/Affidavit_Student.pdf)
- Student Profile [https://vtopbeta.vit.ac.in/studentprofile/](https://vtopbeta.vit.ac.in/studentprofile/)
- Physical Fitness [http://www.vit.ac.in/files/admissions/PhysicalFitness_Certificate.pdf](http://www.vit.ac.in/files/admissions/PhysicalFitness_Certificate.pdf)
- Balance Fees to be paid through online mode only.
- An undertaking for good conduct and behavior in a prescribed form issued by the Institute at the time of admission to be submitted in originals to the Admissions Office.

8. GENERAL DISCIPLINE

- All applicants admitted to the Institute shall maintain good conduct, pay the requisite tuition fees and other charges by the due dates, attend their classes regularly and abide by the rules and regulations of the Institute.
- If at any point of time, if the conduct and character of an applicant is not satisfactory or is of suspicious nature, the Management reserves the right, without assigning any reason, to make him/her vacate the hostel or expel him/her from the Institute.

8.1. MEASURES FOR PREVENTION OF RAGGING AT THE INSTITUTION LEVEL:

- Ragging is totally prohibited in the institution and anyone found guilty of ragging and/or abetting ragging, whether actively or passively, or being a part of a conspiracy to promote ragging, is liable to be punished in accordance with the regulations as well as under the provisions of any penal law for the time being in force.
- Ragging Juniors in any form is forbidden. If anyone is found ragging his/her juniors, he/she can be rusticated from the Institute.
- It is mandatory that Applicants and parents who are attending interview has to sign an undertaking in ₹20 non-judicial stamp paper as per the information given in Annexure-I & II (as per UGC Regulations-2009, [www.ugc.ac.in](http://www.ugc.ac.in)).

9. HOSTEL ACCOMMODATION

Separate hostel accommodation is available for boys and girls.

- Hostel accommodation will be provided only to those Applicants whose residence is beyond 100kms radius from the Institute.
- For details regarding Establishment Charges, Mess, etc., please visit VIT website [www.vit.ac.in](http://www.vit.ac.in)
10. Admission Cancellation Process / Refund of Fees:
The refund will be made as per the norms of the UGC and Institute guidelines.

10.1. Academic Cancellation:
- Apply Online Application for Cancellation of Admission in Office of PG Admissions.
- Collect the No Dues Certificate Form from Office of PG Admissions.
- Submit original Provisional Admission Letter
- TC will be given only if original Migration / Transfer / College Leaving Certificate has been submitted.

10.2. Hostel Cancellation: (Documents to be submitted in the concerned Hostel Office)
- Write an application with Parent Signature.
- Collect the No Dues Certificate Form from concern Hostel Office.
- Hostel Admission Letter

Refund will be given tentatively in two weeks time from the date of initiation of withdrawal by PG Office.

APPENDIX – I

Nativity Certificate

(For applicants from Jammu & Kashmir and North Eastern States)

Certified that Mr. / Ms. .............................................................. an applicant for admission to PG Degree Programme in ................................ in the year ................................., son / daughter of Shri. / Smt .................................................. ................................................................. residing at................................................................. in ................................................................. District of ................................................................. State is a native of ................................................................. State.

Signature of Tahsildar or Revenue Authority

Name :
Designation :
Place :
Date :

Office Seal
COMMUNITY CERTIFICATE (FOR SC / ST ALONE)

Certified that Mr. / Ms. ............................................................ an applicant for admission to PG Degree Programme in ........................................ in the year .................................., son / daughter of Shri. / Smt ............................................................ residing at ............................................................ in ............................................................ District of ............................................................ belongs to the ............................................................ Caste/Tribe.

Which is recognized as a Scheduled Caste / Scheduled Tribe under the Constitution (Scheduled Castes) Order 1950 / The Constitution (Scheduled Tribes) Order, 1950, as amended by the Scheduled Castes and Scheduled Tribes | Orders Amendment Act, 1976.

Signature of Competent Authority

Name : 
Designation : 
Place : 
Date : 

Office Seal

Authorities empowered to issue Scheduled Caste / Scheduled Tribe Certificate

District Magistrate / Additional District Magistrate / Collector / Deputy Collector / Deputy Commissioner / 1st Class Stipendiary Magistrate / City Magistrate / Sub-Divisional Magistrate / Taluk Magistrate / Executive Magistrate / Extra Assistant Commissioner. Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate Revenue Officer Not below the rank of Tahsildar Sub-Divisional Officer of the area where the applicant and / or his family normally resides.
### IMPORTANT DATES:

<table>
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<td>Last date to apply online</td>
<td>22.05.2020</td>
</tr>
<tr>
<td>Publication of short listed applicants</td>
<td>03.06.2020</td>
</tr>
<tr>
<td>(Tentative)</td>
<td></td>
</tr>
<tr>
<td>Tentative date for Counselling</td>
<td>18.06.2020</td>
</tr>
<tr>
<td>Last Date of Payment of balance fees</td>
<td>06.07.2020</td>
</tr>
<tr>
<td>Orientation Program (Tentative)</td>
<td>15.07.2020</td>
</tr>
<tr>
<td>Commencement of classes (Tentative)</td>
<td>16.07.2020</td>
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### For further details contact:

**VIT-Vellore:**

Director — PG Admissions  
Vellore Institute of Technology,  
Vellore- 632014,  
Tamil Nadu, INDIA  
**Phone:** +91-416 220 2188  
**Fax:** +91-416 2245544, 224 9955  
**Email:** pgadmission@vit.ac.in  
**Website:** www.vit.ac.in

**VIT-Bhopal:**

Admission officer  
**VIT- BHOPAL**  
G1, Comfort Garden,  
Kolar Road, Chuinnabhati,  
Bhopal-462042  
**Madhya Pradesh.**  
**Phone:** 91756025 4500/ 501/ 502

### LEGAL JURISDICTION

All suits and actions arising out of or relating to Vellore Institute of Technology, Vellore shall be instituted within the jurisdiction of courts at Vellore, Tamil Nadu only. The Registrar of the Institute shall be the legal person in whose name the Institute may sue or be sued.