

# VIT Bhopal University: Comprehensive Institutional Knowledge Base

VIT Bhopal University, established in 2017 in Kothri Kalan, Sehore district, Madhya Pradesh, serves as a primary technological hub in central India . This document provides a high-density structured dataset covering governance, academic architecture, professional outcomes, and operational logistics designed for advanced knowledge-retrieval systems.

## 1. Administrative Governance and Leadership

The university is a state private institution recognized by the UGC and accredited with an A++ grade by NAAC .

### Executive Leadership Hierarchy

Designation	Name	Context/Contact
Chancellor	Dr. G. Viswanathan	Founder of VIT Group
Vice President	Mr. Sankar Viswanathan	Strategic development
Vice President	Dr. Sekar Viswanathan	Administrative oversight
Vice President	Dr. G.V. Selvam	Infrastructure and regional growth
Assistant Vice-President	Ms. Kadhambari S. Viswanathan	Academic innovation
Executive Director	Dr. Sandhya Pentareddy	sandhya.office@vit.ac.in
Vice-Chancellor	Dr. Senthil Kumar Arumugam	vc@vit.ac.in
Registrar	Dr. Debashis Adhikari	registrar@vitbhopal.ac.in
Controller of Examinations	Dr. Sivabalan S	coe@vit.ac.in

## **Academic Deans and Directors**

- **Academics:** Dr. Anthony Xavior M (dean.acad@vit.ac.in).<sup>1</sup>
- **School of Computing (SCOPE):** Dr. Jaisankar N .
- **School of Electrical (SELECT):** Dr. Kowsalya M .
- **School of Electronics (SENSE):** Dr. Jasmin Pemeena Priyadarisini M .
- **School of Mechanical (SMEC):** Dr. Kuppan P .
- **VIT Business School (VITBS):** Dr. Mary Cherian .
- **Director, Career Development Centre (CDC):** Dr. Ramanathan K .
- **Dean, School of Architecture (V-SPARC):** Dr. Sheetal Sharma .

## **2. Granular Faculty Directory and Cabin Registry**

VIT Bhopal maintains a diverse faculty pool with extensive research backgrounds .

Name	Designation	Cabin No.	Mobile String (Partial)	Specialization /Area
Dr. Baseera A	Sr. Asst. Professor	G-01	969896...	Mathematics
Dr. Vinod Bhatt	Associate Professor	G-02	982614...	English Literature
Dr. G. Vishnuvarthan an	Associate Professor	G-03	936065...	Computing
Dr. Manisha Jain	Associate Professor	G-04	903982...	Computing
Dr. Manoj Acharya	Assistant Professor	G-06	982720...	Chemistry
Dr. Pushpinder Singh Patheja	Sr. Assoc. Professor	G-09	989327...	Cyber Security
Dr. Dev Brat	Faculty	G-10	907934...	Engineering <sup>3</sup>

Gupta				
Dr. Javed Khan Sheikh	Faculty	G-12	932001...	Technical <sup>3</sup>
Dr. Venkat Padhy	Associate Professor	G-15	831059...	Computing
Dr. Praveen Lalwani	Associate Professor	A-101	982657...	Software Development
Dr. Sheetal Sharma	Professor	A-102	810355...	Architecture/U rban
Dr. Hemant Kumar Nashine	Professor	A-109	877077...	Mathematics
Dr. Ajay Sharma	Assistant Professor	A-120	920383...	Image Processing
Dr. Mamta Agarwal	Associate Professor	A-201	942502...	Computing
Dr. Pon Harshavardhan an	Associate Professor	A-202	984076...	Computing
Dr. Navneet Kumar Verma	Associate Professor	A-203	959866...	NLP/Gaming
Dr. Sasmita Padhy	Associate Professor	A-206	904094...	Computing
Dr. Preetam Suman	Associate Professor	A-208	737633...	Sensor Networks
Dr. Balaguru S	Sr. Assoc. Professor	A-210	944446...	Engineering

Dr. Vinesh Kumar	Sr. Asst. Professor	A-211	975864...	Machine Learning
Dr. S. Devaraju	Associate Professor	A-215	978844...	VR & Gaming
Dr. Ankur Beohar	Sr. Branch Advisor	A-244	989338...	IEEE/Electronics
Dr. H. Azath	Associate Professor	B-311	986516...	Cyber Security
Dr. A V R Mayuri	Associate Professor	B-313	944143...	Artificial Intelligence

### 3. Academic Architecture: Program Portfolio and Syllabi

The university offers 29 courses across undergraduate, postgraduate, and doctoral levels.

#### B.Tech Computer Science & Engineering (AI & ML) - Specialized Syllabus

Category	Credits	Sample Subjects
<b>Foundation Core</b>	53	Engineering Physics (BPHY101L), Engineering Chemistry (BCHY101L), Calculus (BMAT101L), Python (BCSE101E), Technical English (BENG101L)
<b>Discipline Core</b>	47	Data Structures & Algorithms (BCSE202L), Operating Systems, Discrete Mathematics (BMAT205L), Database Management Systems

<b>Specialization Elective</b>	21	Deep Learning, Natural Language Processing, Robotics, Reasoning and Problem Solving
<b>Open Elective</b>	09	Interdisciplinary courses across other schools
<b>Project &amp; Internship</b>	09	Capstone Project Phase I (PJ3) & II (PJ5), Summer Industrial Internship
<b>Total Credits</b>	162	<b>Full graduation requirement</b>

### Specialized B.Tech Tracks and Course Codes

- **Aerospace Engineering:** Rocket Propulsion, Aerodynamics, Vehicle Design with CAD/CAE Lab, Spaceflight Mechanics .
- **Bioengineering:** Biotechnology, Medical Informatics, Biochemistry, Genetic Engineering .
- **CSE (Health Informatics):** Privacy laws, health data analytics, IoT sensors, Blockchain in Healthcare.<sup>4</sup>
- **CSE (Cyber Security & Digital Forensics):** Cryptography Fundamentals, Network Security, Ethical Hacking .
- **Electronics & Communication (AI & Cybernetics):** Signals and Systems, VLSI Design, Robotics .

## 4. Research Output: The Intellectual Property Portfolio

VIT Bhopal faculty and students have been awarded over 72 patents between 2022 and 2024 .

### Key Patents Published and Granted

Patent Title	Inventors	Appl. Number / Status
<b>Walking Stick for Visually Impaired</b>	Dr. Sahaaya Arul Mary S A, Balaji G N, Parthasarathy G	439878-001 (Granted Dec 2024) <sup>7</sup>
<b>Weather Prediction</b>	Jagannathan J, Anbarasa	436768-001 (Granted Nov

<b>Device</b>	Kumar A	2024) <sup>9</sup>
<b>Smart Pill Dispenser (Facial Auth)</b>	Perepi Rajarajeswari et al.	429419-001 (Granted Sep 2024) <sup>7</sup>
<b>Water Storage Tank Cleaning Mech.</b>	Dillip Kumar Barik, Niranjana Behera, Ria Singhal	398718-001 (Filed Oct 2023) <sup>11</sup>
<b>Ground Drying Rover (Sports Fields)</b>	Shashank Mouli Satapathy, Arnav Jaggi, Sanah Arora	447916-001 (Filed Feb 2025) <sup>8</sup>
<b>Intelligent Urinary Catheter Bag Support</b>	Dr. Shishir Kumar Behera	390923-001 (Granted July 2023)
<b>Leaf Shaped Triboelectric Nanogen.</b>	Arunkumar Chandrasekhar, Shaik Ruksana Begum	202441057285 (Published July 2024)

### Scholarly Impact (Google Scholar)

- **Dr. Jagriti Gupta:** 1492 citations, h-index 22; focus on Fe<sub>3</sub>O<sub>4</sub> nanoparticles and photocatalysis .
- **Dr. Vinesh Kumar:** 3291 citations, h-index 23; focus on Machine Learning and Big Data .
- **Dr. Anil Kumar Yadav:** Focus on reinforcement learning and epidemic models.<sup>13</sup>
- **Dr. Poonkuntran S:** Focus on Computer Vision and Information Security .

## 5. Professional Pipeline: Longitudinal Placement Trends

Placements are managed by the Career Development Centre (CDC) and centralized across all VIT campuses.<sup>14</sup>

### Recruiter and CTC Breakdown (2024–2025 Drives)

Recruiter	CTC (LPA)	Category	Features
Rubrik	102.0 (1.02 Cr)	Marquee	Highest package for 2025 batch

<b>Zomato</b>	56.0	Marquee	Software Development <sup>15</sup>
<b>Moveworks</b>	44.0	Marquee	AI focus <sup>15</sup>
<b>Flipkart Grid</b>	35.0	Super Dream	Tech challenge hire <sup>17</sup>
<b>PhonePe</b>	34.0	Super Dream	2025 batch <sup>18</sup>
<b>Commvault</b>	33.0	Super Dream	2025 batch <sup>18</sup>
<b>tanX.fi</b>	31.0	Super Dream	2025 batch <sup>15</sup>
<b>Nutanix</b>	26.0	Super Dream	2025 batch <sup>15</sup>
<b>Wells Fargo</b>	24.0	Super Dream	Finance tech
<b>Blackrock</b>	18.0 - 22.0	Dream	2025 batch <sup>15</sup>
<b>Oracle</b>	19.0	Dream	2025 batch <sup>18</sup>
<b>Accenture</b>	11.0 - 12.0	Regular	PPO offers
<b>Deloitte</b>	7.6 - 8.2	Regular	2025 batch <sup>18</sup>

### Internship Stipends (Monthly)

- **Google:** INR 1,23,000.<sup>15</sup>
- **Apple:** INR 1,00,000 .
- **JP Morgan:** INR 82,000.<sup>15</sup>
- **Goldman Sachs:** INR 70,000.<sup>18</sup>
- **Uber / Zeta:** INR 60,000 .

## 6. Financial Architecture and Admission Lifecycle

### B.Tech Tuition Fees (2025-2026 Academic Year)

Category	Group A (Per)	Group B (Per)	Caution Deposit

	<b>Annum)</b>	<b>Annum)</b>	<b>(One-time)</b>
<b>Category 1</b>	INR 1,73,000	INR 1,98,000	INR 3,000
<b>Category 2</b>	INR 2,07,000	INR 2,07,000	INR 3,000
<b>Category 3</b>	-	INR 2,25,000	INR 5,000

### **Admissions Entrance Management**

- **B.Tech:** VITEEE (App Fee: INR 1350) .
- **MBA:** VITBEE or CAT/XAT/MAT (App Fee: INR 750) .
- **M.Tech/MCA/PhD:** VITMEE / VITREE (App Fee: INR 1200) .

## **7. Campus Infrastructure and Laboratory Assets**

The campus spans 250 to 300 acres of rural landscape in Madhya Pradesh .

### **Core Laboratory Equipment and In-Charges**

<b>Laboratory Name</b>	<b>Key Equipment / Facility</b>	<b>Lab In-Charge</b>
<b>Anechoic Chamber</b>	Radio wave measurement	Prof. Shambavi K
<b>NVIDIA AI Lab</b>	NVIDIA DGX-1, DRIVE AGX Pegasus	Specialized research <sup>2</sup>
<b>Cyber Threat Intel Lab</b>	PCIe 5.0 High-speed transfer	DST FIST Supported <sup>21</sup>
<b>MEMS Design Centre</b>	Sensor fabrication tools	Prof. Sivacoumar R
<b>Smart Building Lab</b>	Johnson Controls interface	Prof. Sumit Kumar Jindal
<b>Digital Signal Processing</b>	Advanced DSO, FPGA Controllers	Prof. Budhaditya Bhattacharyya

<b>Communication Lab</b>	Digital RF Kits	Prof. Christopher Clement J
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## Library and Learning Resources

- **Collection:** 2500+ volumes, 18,350 back volumes, 412 print journals .
- **Technology:** LIBSYS software for automation, RFID self-issue kiosks, WEB-OPAC catalogue .
- **Access:** 24/7 digital database access for journals like ACS, ASCE, and IEEE .

## 8. Student Life: Clubs, Chapters, and Festivals

VIT Bhopal hosts over 70 student-led organizations providing professional and creative outlets .

### The Technical Club Directory

Club / Chapter Name	Faculty Coordinator	Cabin No.	Focus Area
<b>Android Club</b>	Mr. Ganesan G	A-303	Mobile Development
<b>Linux Club</b>	Dr. P.S. Patheja	FC-G-09	Open Source Systems
<b>Robotics Club</b>	Dr. Shiv Manjaree	AB 307	Automation
<b>AI Club</b>	Dr. A.V.R. Mayuri	B-313	Artificial Intelligence
<b>Software Dev Club</b>	Dr. Praveen Lalwani	FC-409-A	Engineering
<b>Electric Vehicle Club</b>	Dr. Ajay Sharma	A-120	Sustainable Mobility
<b>Cyber Warriors</b>	Dr. H. Azath	B-311	Ethical Hacking
<b>OWASP Chapter</b>	D. Saravanan	-	Cyber Security

## **AdVITya Annual Festival**

AdVITya is the university's flagship event (held in February) featuring technical and cultural showcases .

- **ECom-Thon:** Pitching and entrepreneurship ideas (Reg Fee: 150/team).<sup>22</sup>
- **TECHTRIX:** Puzzle-solving and word-guessing games.<sup>22</sup>
- **Tech Mystery:** Logic-based escape room (Reg Fee: 100/member).<sup>22</sup>

## **9. Regulatory Framework and Student Conduct**

### **Attendance and On-Duty (OD) Policies**

- **Minimum Requirement:** 75% attendance per course is mandatory to avoid being debarred from exams .
- **OD Eligibility:** Students must maintain a CGPA  $\geq 6.0$  .
- **Caps:** Maximum 3 OD days per semester for club activities; additional 5 days for national/international events upon VC approval .

### **Examination Malpractice Rules**

The Office of the Controller of Examinations (COE) enforces strict protocols.<sup>23</sup>

- **Prohibited Items:** Programmable calculators, smartwatches, erasable pens, correcting fluid/tape.<sup>23</sup>
- **Entry Policy:** No entry permitted after 30 minutes of commencement.<sup>23</sup>
- **Rough Work:** Mandatory to use only the last page of the main answer booklet and strike off after completion.<sup>23</sup>

## **10. Logistics: Transport and Boarding Directory**

### **Bhopal-Sehore-Indore Bus Routes**

Boarding Point (Bhopal)	Route Feature	Time / Journey
ISBT Bhopal	Main terminal	First bus: 04:50 AM
Lalghati	Popular pickup	Near HP Petrol Pump
Nadra Bus Stand	City center	High frequency

Piplani	Residential hub	East Bhopal
Sehore Bypass	Mid-route stop	Approx. 1h 20m from Bhopal
Mangliya Toll Naka	Indore approach	Approx. 3.5 - 5h journey

## 11. Innovation and Entrepreneurship (V-NEST)

V-NEST is the university's startup foundation supporting over 30 growth-stage companies .

### Notable Startups and Projects

- **Avinya NeuroTech:** Continuous neuromonitoring for seizure detection.<sup>14</sup>
- **Segritech (Tikkly Agro):** AI solutions for post-harvest agriculture processes.<sup>14</sup>
- **NeoAI Solutions:** Founded by Aryan Gupta (Class of 2021); raised \$5M in funding .
- **GreenTech Ventures:** Founded by Sneha Patel (Class of 2020); sustainable energy focus
- **Mafkin Robotics:** Underwater ship hull cleaning robot.<sup>14</sup>

## 12. Stakeholder Sentiment and Historical Context

- **Strategic Strengths:** Updated curriculum reflecting industry trends; lush green campus during rainy season; strong brand legacy .
- **Operational Friction:** Large daily commute (approx. 2-4 km) between hostels and academic blocks; strict outing restrictions (twice a month) .
- **Historical Crisis (Nov 2025):** A major jaundice outbreak occurred due to contaminated water sources, leading to student protests and administrative criticism .

## 13. High-Density Parameters for RAG Implementation

To maximize the efficiency of your RAG architecture, ensure the following keys are mapped:

1. **Named Entities:** VTOP, CALTech, FFCS, AdVITya, V-NEST, SCSE, V-SPARC, VITBS.
2. **Quantitative Identifiers:** 162 total credits, 75% attendance floor, 1.02 CPA max CTC, 300-acre footprint, 1:75 faculty-student ratio.
3. **Logistical Nodes:** ISBT, Lalghati, Seekda Khedi Bypass, Kothri Kalan, Sehore.
4. **Regulatory Codes:** BPHY101L, BCHY101L, BMAT101L, BCSE101E, BENG101L.
- 1.