

# Institute of Engineering & Technology (IET), DAVV, Indore

## 1. Institutional Overview & Excellence

The Institute of Engineering & Technology (IET), established in **1996** under **Devi Ahilya Vishwavidyalaya (DAVV)**, is one of Central India's premier engineering institutions.

### Key Features

- Academically autonomous institute with **flexible, industry-aligned curriculum**
- Approved by:
  - AICTE
  - UGC
  - Government of Madhya Pradesh

### Accreditation & Rankings

- **NAAC A+ Accreditation (through DAVV)**
- Consistent presence in **NIRF rankings**
- Strong reputation for **academic quality and infrastructure**

## 2. Faculty Profile & Achievements

### 2.1 Faculty Strength

- Majority faculty members hold **PhD qualifications**
- Many have **20+ years of academic and research experience**
- Strong exposure to:
  - Industry collaboration
  - International research

### 2.2 Research Excellence

#### Overall Research Output

- **350+ research publications** in reputed journals
- Publications indexed in **Scopus and SCI journals**
- Active participation in **international conferences**

### 2.3 Detailed Faculty Research Metrics

S.No	Faculty Name	Publications	Citations	h-index	i10-index
1	Dr. Shashi Prakash	194	1868	23	56
2	Dr. Raksha Upadhyay	113	778	15	33
3	Dr. Uma Bhatt	88	546	14	25
4	Dr. Vaibhav Neema	81	424	11	14
5	Dr. Nagendra Sohani	78	883	14	16
6	Dr. Vrinda Tokekar	74	564	14	17
7	Dr. Govind Maheshwari	71	360	11	12
8	Dr. Ajay Verma	69	440	12	16
9	Dr. Ravi Sindal	66	224	8	5
10	Dr. G. L. Prajapati	55	392	8	5
11	Dr. Pratosh Bansal	55	341	10	11
12	Dr. Devendra Singh Verma	55	384	10	10

## 2.4 Faculty Highlights

- Publications ranging from **50 to 190+ papers**
- Citations reaching **1800+**
- h-index up to **23**
- i10-index up to **56**

## Research Domains

- Artificial Intelligence & Machine Learning
- Data Science
- Electronics & Communication
- Mechanical Engineering
- Emerging Technologies

## 2.5 Innovation & Patents

- Patent secured for AI-based Face Recognition Attendance System
- Patent secured for 1BSE-6T SRAM CELL DEVICE WITH SINGLE-ENDED SENSING AND MINIMUM LEAKAGE AND ITS OPERATING METHOD THEREOF.
- Patent secured for MULTIPARTY BINARY ACCESS CONTROLS
- Patent secured for AN APPARATUS AND METHOD FOR ONLINE SCHEDULING FOR WA-RA BASED FI-WI ACCESS NETWORK
- Patent secured for RSSI-Driven Human Activity Recognition for Biomedical Applications
- Active research in **applied and interdisciplinary technologies**

## 2.6 Distinguished Faculty Leadership

- Dr. Pratosh Bansal - Director and Professor (IT)
- Dr. Ravi Sindal - Professor and Dean (Faculty of Engineering)
- Dr. Vrinda Tokekar - Professor (IT)
- Dr. Sanjiv Tokekar - Professor & Head (E&TC)
- Dr. Ashesh Tiwari - Professor & Head (Mechanical)
- Dr. Ajay Verma - Professor & Head (E&I)
- Dr. Shashi Prakash - Professor & Head (Applied Science)
- Dr. Hemant Makwana - Professor and Head (IT)
- Dr. Vijay Karma - Professor (Mechanical Engg) and Head (Civil Engg)
- Dr. Ashish Jain - Professor & Head (Computer Engg)
- Dr. C P Patidar - Associate Professor (IT) & Head (CSBS)
- Dr. Govind Maheshwari – Professor (Mechanical Engg) and Prof Incharge, Placements
- Dr. DevenDr.a Verma – Professor (Mechanical Engg) and Head (B.Des)

## 2.7 Institutional Impact of Faculty

- Enhances **NAAC accreditation**
- Drives **research culture and innovation**
- Supports **PhD programs and funded research**
- Improves **global academic reputation**

## 3. Student Clubs & Achievements

### 3.1 Student Ecosystem

- Strong participation in:
  - E-Cell
  - Coding clubs

- Innovation groups
- NSS
- Robotics Club
- EV/Aeromodeling/BAHA Club

### 3.2 National-Level Achievements (2024–2026)

#### Aerospace & Drone Innovation

##### NIDAR'26 (Greater Noida)

- Developed:
  - Surveillance Drone
  - Delivery Drone
- Achievements:
  - AIR 3 – Business Pitch
  - AIR 14 – Overall
  - AIR 15 – Ignite Awards

##### Youth for Change Summit (DAVV, Indore)

- Awarded **Trophy for Excellence**
- Presented **drone-based business innovation**

##### Drone Development Challenge (DDC) 2024

- AIR 14 – RC Aircraft “MINX”

##### Drone Development Challenge (DDC) 2025

- AIR 7 – Regular Plane Category
- AIR 14 – Micro Plane Category

##### SAE mBAJA 2025

- Award: “**Pride of MP**”
- Recognized for:
  - Engineering design
  - Team performance

### 3.3 Google Developer Group (GDGoC) Achievements

#### Flagship Events

##### Pre-DevFest 2025 (AI Unplugged)

- India’s first Pre-DevFest initiative
- **800+ participants**
- Focus: AI, GenAI, Cloud

##### Tech Unleash 3.0

- Largest GDG event at institute
- **650+ registrations**
- **400+ attendees**
- Launch of:
  - Official GDG website
  - Digital systems

##### Technical Programs

- AI/ML Bootcamp (1-week program)
- Google Cloud Study Jam
- Vertex AI Workshop
- FlutterFlow Workshop

## Competitions

- WebSprint – Frontend Challenge
- Summer Code Quest – Inter-college competition
- Treasure in the Shell – Linux wargame

## Community & Career Initiatives

- Internship mentorship sessions
- Smart India Hackathon mentoring
- Recruitment Heist 2.0 (multi-phase hiring drive)
- Collaboration with industry experts

## Impact

- Established as **national-level tech community**
- Strengthened:
  - Innovation culture
  - Peer learning
  - Startup ecosystem
  - Industry readiness

## 4. Alumni Profile & Achievements

### 4.1 Alumni Network

- Strong global alumni presence
- Active in:
  - Top MNCs
  - Research organizations
  - Startups

### 4.2 Alumni Contributions

- Mentorship programs
- Startup incubation
- Placement assistance

### 4.3 Notable Alumni

#### Corporate Leadership

- Ashish Sawhney – Executive Director, JPMorgan Chase
- Sumit Agrawal – Director R&D, Boston Scientific
- Nitin Banzal – Head PSP, VE Commercial Vehicles
- Anirban Banerjee – Delivery Lead, HSBC
- Arpan Jain – Managing Director, Best Metal Trading FZE
- Piyush Shukla – CFO, VAMA Gonvar
- Suyash Dixit – CEO, Softinator TechLabs

#### Technology Experts

- Prateek Narya – Core Team, Tesla
- Shivanshu Shrivastava – Intel (PDK Engineer)
- Divyansh Sahu – Senior Software Engineer, Visa
- Sushil Singh Chouhan – Consultant, EY
- Amit Raj – Senior Data Analyst, Zalando

## 5. Industry Interface & Placements

- Strong placement record in:
  - IT sector
  - Core engineering
  - Analytics
- Dedicated:
  - Training & Placement Cell
  - Alumni mentorship system

### Placement Details 2025-26

S. No.	Details	Number
1.	Total Number of Companies	46
2.	Highest CTC ( LPA )	22
3.	Total Number of Offers	428
4.	Average CTC (LPA)	7.10

### Placement Details 2024-25

S. No.	Details	Number
1.	Total Number of Companies	66
2.	Highest CTC ( LPA )	64
3.	Total Number of Offer	403
4.	Average CTC (LPA)	8.10

### Major Recruiters

#### Top Tech & IT Recruiters

- Infosys
- Capgemini
- Cognizant
- LTIMindtree
- Accenture

#### Product & Analytics

- Barclays
- ZS Associates
- Dice
- Groww
- Quantipi
- Mu Sigma

#### Core Engineering & Manufacturing

- Volvo Eicher
- Jindal SAW
- Tata Electronics

- Crompton Greaves
- Torrent Power
- JK Cement
- Force Motors

#### **Other Notable Recruiters**

- Medibuddy
- Beghou Consulting
- Intellicus
- CarWale
- CoreEL
- Appalto Electronics

## **6. Strategic Projects & Research Initiatives**

### **6.1 C2S (Chips to Startup Programme)**

#### **Overview**

- Initiative by **MeitY, Government of India** in year 2023
- Funding: ₹95 Lakh

#### **Leadership**

- PI: Dr. Vaibhav Neema
- Co-PI: Dr. Ravi Sindal

#### **Focus Areas**

- ASIC Design
- SoC Development
- Microelectronics

#### **Key Achievements**

- Development of **implantable pacemaker chip (iPACE-CHIP)**
- Training in full IC design cycle:
  - RTL → Synthesis → Layout → Fabrication
- Establishment of **VLSI labs with EDA tools**

#### **Major Milestone**

- 1) **Successful IC fabrication using 130nm technology (Tiny Tapeout)**  
Chip includes:
  - Error detection
  - Error correction features
- 2) **Successful IC Fabrication of DAC Chip on 180nm SCL Technology.**

#### **National Impact**

- Supports **India Semiconductor Mission**
- Enables:
  - Indigenous chip design
  - Skilled workforce
  - Future fabless startups

### **6.2 ANRF PAIR Project - SAKSHAM**

**Nodal Officer from DAVV- Dr. Pratosh Bansal**

## **Project 1-Mechanical and Tribological Characterization of natural fiber reinforced polymer composites modified through plasma surface treatment of fibers.**

### **Overview**

- Initiative by **ANRF, Government of India**
- Funding: ₹46 Lakh

### **Leadership**

- PI: Dr. Ashesh Tiwari
- Co-PI: Dr. Amit Gupta, Dr Akhilesh Lodwal

## **Project 2-Thermodynamic Analysis and Assessments of Latent Heat Thermal Energy Storage (LHTES) System for engine exhaust**

### **Overview**

- Initiative by **ANRF, Government of India**
- Funding: ₹65 Lakh

### **Leadership**

- PI: Dr. Sharad Choudahry
- Co-PI: Dr. Govind Maheshwari

## **Project 3-IoT enabled Experimental Pyro-Gasification unit for Biochar, Bio-oil & Syngas Characterization**

### **Overview**

- Initiative by **ANRF, Government of India**
- Funding: ₹20 Lakhs

### **Leadership**

- PI: Dr. Pratosh Bansal

## **Project 4-Decentralized Biochar Production: Empowering Rural Entrepreneurs Through Rural Development Technology**

### **Overview**

- Initiative by **ANRF, Government of India**
- Funding: ₹10 Lakhs

### **Leadership**

- Co-PI: Dr. Pratosh Bansal

## **Project 5- Ethical Privacy-Preserving AI Frameworks and Secure Data-Sharing Platforms for Antimicrobial Resistance Research**

### **Overview**

- Initiative by **ANRF, Government of India**
- Funding: ₹10 Lakhs

### **Leadership**

- Co-PI: Dr. Pratosh Bansal

## **Project 6- CAPACITY BUILDING ON 3D PRINTING DEVELOPING TAILORMADE SHAPE MEMORY ALLOY STRUCTURE FOR INTELLIGENT SYSTEMS FOR CRYOGENIC APPLICATIONS.**

### **Overview**

- Initiative by ANRF, Government of India
- Funding: ₹10 Lakhs

### **Leadership**

- PI: Dr. Suwarna Torgal

## **7. Innovation & Institutional Strength**

- Strong incubation ecosystem
- Industry-aligned academic structure
- Focus on:
  - Research
  - Innovation
  - Entrepreneurship

IET-DAVV represents a **holistic center of excellence**, driven by:

- Highly accomplished faculty with strong research metrics
- Nationally recognized student achievements
- Globally placed and engaged alumni network
- Advanced research infrastructure and strategic projects

The institute continues to evolve as a **leader in engineering education, innovation, and research**, contributing significantly to national development and global technological advancement.