



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## INSTITUTE DEVELOPMENT PLAN (IDP)

### 2027-2031

#### 1. Institutional Profile

Bajaj Institute of Technology was established by Shiksha Mandal, Wardha, a 113 years old education trust. It has 300 students intake per year. It is supported by Bajaj Auto Ltd. (BAL) for infrastructure development – buildings and state of the art laboratories. BAL has also established a Bajaj Engineering Skills Training (BEST) centre which imparts hand-on training in the form of internship to final year students of Mechanical and Electrical Engineering. Bajaj Institute of Technology is committed to produce industry ready engineers who will innovate and deliver their best in the profession. It obtained NAAC A grade (CGPA 3.13) in 2024. Now it aims at obtaining an autonomous status in order to bring reforms in curriculum, examination and implementation of National Education Policy, 2020 and wants to establish itself among the top institutions in India in terms of students' development.

**Name:** Shiksha Mandal's Bajaj Institute of Technology, Wardha

**Established:** 2017

**Affiliation:** Dr. Babasaheb Ambedkar Technological University

**Accreditation:** NAAC Grade A

#### Programmes Offered

- B.Tech. Civil Engineering (Intake 60)
- B.Tech. Mechanical Engineering (Intake 60)
- B.Tech. Electrical Engineering (Intake 60)
- B.Tech. Computer Engineering (Intake 120)



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## Strengths

- State-of-the-art laboratories sponsored by Bajaj Auto Ltd.
- Bajaj Engineering Skills Training Centre by Bajaj Auto Ltd.
- Separate boys' and girls' hostels with 120 capacity each.
- Industry-integrated learning ecosystem.
- 11 National Awards in Smart India Hackathon till date.
- Nearly 50% faculty with Ph.D.
- Strong industry-academia linkage.

## 2. Vision 2031

"To emerge as a nationally recognized autonomous technological institution fostering innovation, research, entrepreneurship, sustainability, and industry-ready professionals contributing to nation building."

## 3. Mission

1. Deliver quality engineering education through autonomy and outcome-based learning.
2. Promote innovation, entrepreneurship, and multidisciplinary research.
3. Strengthen industry partnerships for skill development and employability.
4. Develop socially responsible and ethically competent engineers.
5. Establish a vibrant ecosystem for higher education, research, and technology transfer.

## 4. Strategic Priorities (2027–2031)

Priority	Focus Area
P1	Academic Autonomy
P2	NBA Accreditation
P3	PG Programmes
P4	Research & Innovation
P5	Industry Integration
P6	Digital Transformation
P7	Student Development
P8	Sustainability
P9	Institutional Excellence



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## 5. Strategic Goal 1: Academic Autonomy

### Objective

Transform BIT into a fully autonomous institution with flexible curriculum and academic governance.

### Action Plan

S. No.	Details	2027	2028	2029	2030	2031
1.	Obtain Autonomous Status					
2.	Constitute Board of Studies					
3.	Constitute Academic Council					
4.	Constitute Board of Examinations					
5.	Constitute Finance Committee					
6.	Introduce Choice Based Credit System					
7.	Introduce multidisciplinary electives					
8.	Skill certification framework					
9.	Flexible credit transfer mechanism					
10.	Minor Degree Programmes					
11.	Industry-designed courses					
12.	Curriculum benchmarking with IITs and NITs					

### Key Performance Indicators

- Autonomy granted.
- 100% curriculum revision every three years.
- 25% industry-designed curriculum.



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## 6. Strategic Goal 2: NBA Accreditation

### Objective

Obtain NBA accreditation for all eligible UG programmes.

### Targets

Programme	Target Year
Mechanical Engineering	2028
Electrical Engineering	2028
Computer Engineering	2029
Civil Engineering	2029

### Actions

- OBE implementation.
- CO-PO mapping.
- Continuous assessment system.
- Faculty training and development.
- Research & Development and Consultancy.

## 7. Strategic Goal 3: Expansion of Academic Programmes

### Introduction of PG Programmes

#### M.Tech. Programmes

2028:

- M.Tech. in Smart Manufacturing (Mechanical Engineering)
- M.Tech. in Electric Vehicles Technology/ Embedded Systems (Electrical Engineering)



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

2029:

- M.Tech. in Structural Engineering (Civil Engineering)

2030:

- M.Tech. in Computer Engineering

## Intake Target

18–24 students per programme.

## Long-Term Goal

Establish School of Technology and Advanced Studies.

## 8. Strategic Goal 4: Research and Innovation Ecosystem

### Current Challenge

No research centres.

### Goal

Develop BIT into a recognized research institution.

### Research Centre Establishment

Department	Year
Mechanical Engineering	2028
Computer Engineering	2029
Electrical Engineering	2029
Civil Engineering	2030



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## Targets

- Research publications: 150+
- Patents filed: 30
- Patents granted: 15
- Consultancy projects: 25

## Centres of Excellence

**Centre for Electric Mobility** Supported by Bajaj Auto Ltd.

**Centre for Smart Manufacturing**

Industry 4.0 and Robotics. (Existing BEST laboratories can be utilized)

**Centre for AI and Data Science**

Computer Engineering.

**Centre for Sustainable Infrastructure**

Civil Engineering.

## 9. Strategic Goal 5: Industry Integration

### Leveraging Bajaj Engineering Skills Training Centre

The Training Centre should become the flagship employability hub of the institute.

## Targets

- Every student to complete industry internship.
- Minimum 2 skill certifications.
- Apprenticeship opportunities.



*Shiksha Mandal's*

# **Bajaj Institute of Technology, Wardha**

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

- Industry projects in final year.

## **New Industry Collaborations**

Potential partnerships with:

- Tata Technologies
- Infosys
- TCS
- L&T Technology Services
- Siemens

## **Target**

100% internship exposure.

## **10. Strategic Goal 6: Innovation and Entrepreneurship**

### **Innovation Ecosystem**

Establishment of :

- Innovation and Startup Cell
- Incubation Centre
- Intellectual Property Cell
- Entrepreneurship Development Cell

### **Targets**

- 50 startups incubated.
- 15 registered startups.
- 30 patents.
- 10 commercialized technologies.



*Shiksha Mandal's*

# **Bajaj Institute of Technology, Wardha**

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649

Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad

Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## **11. Strategic Goal 7: Faculty Development**

### **Present Status**

Approximately 50% faculty possess Ph.D.

### **Target 2031**

- 75% Ph.D. faculty.
- 100% faculty certified in OBE.
- 10 faculty members with funded projects.

### **FDP Initiatives**

- AI/ML
- Industry 4.0
- EV Technology
- Structural Health Monitoring and Structural Audits.
- Research Methodology
- Outcome Based Education

## **12. Strategic Goal 8: Digital Transformation**

### **Smart Campus Initiative**

### **Components**

- ERP for academics.
- Digital attendance.
- Learning Management System.
- Examination automation.
- Digital library.



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## Target

Paperless campus by 2031.

## 13. Strategic Goal 9: Student Development

### Holistic Development Framework

#### Academic

- Honors programme.
- Minor degrees.
- International certifications.

#### Innovation

- Hackathons.
- Product development competitions.

#### Sports

Existing facilities to be expanded with:

- Synthetic courts.
- Fitness centre.

#### Career Development

Targets:

- Placement above 80%.
- Average package growth 30%.
- Higher education admissions increase.



*Shiksha Mandal's*

# **Bajaj Institute of Technology, Wardha**

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## **14. Strategic Goal 10: Infrastructure Development**

### **Existing Strength**

Excellent infrastructure supported by Bajaj Auto Ltd.

### **Future Expansion**

#### **Academic Block-II**

Additional classrooms and laboratories.

#### **Research and Innovation Complex**

- Incubation Centre
- Research laboratories
- Startup spaces

#### **Central Computing Facility**

High-performance computing centre.

#### **Green Campus Development**

- Solar power plant
- Water recycling
- Smart energy management



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## 15. Strategic Goal 12: Sustainability and SDGs

### Initiatives

- Net-zero campus roadmap.
- Solar energy generation.
- Water harvesting.
- Waste management.
- Green transportation.

### Target

Green campus certification by 2031.

## 16. Financial Resource Mobilization

### Revenue Sources

- Tuition fees.
- Research grants.
- Consultancy.
- CSR funding.
- Industry-sponsored laboratories.

### Funding Target (2027–2031)

Source	Amount (₹ Crore)
Research Grants	02
Consultancy	0.5
CSR Projects	2.5
Industry Projects	2.0
Total	07



Shiksha Mandal's

# Bajaj Institute of Technology, Wardha

(A Hindi Linguistic Minority Institute)

Approved by AICTE, DTE, UGC (2f) and Govt. of Maharashtra ; DTE Code - 4649  
Affiliated to Dr. Babasaheb Ambedkar Technological University, Lonere, Dist. Raigad  
Arvi Road, Pipri, Wardha - 442001. Phone : 07152-295473

## 17. Outcome Targets by 2031

Indicator	Current	Target 2031
Autonomous Status	Applied	Achieved
NBA Accredited Programmes	0	4
PG Programmes	0	4
Research Centres	0	4
Publications	Limited	150+
Patents Filed	Limited	30
Startups	0	15
Ph.D. Faculty	50%	75%
Industry Internships	Strong	100%
Placement Rate	Good	>80%

## Expected Institutional Position in 2031

BIT Wardha should emerge as:

- A fully autonomous engineering institution.
- NBA-accredited across all programmes.
- A recognized research and innovation hub in central India.
- A leader in industry-integrated engineering education through the Bajaj Engineering Skills Training Centre.
- A preferred destination for engineering education in Maharashtra with strong placement, research, startup, and societal impact credentials.



**Dr. Narendra Kanhe**  
**Principal**

PRINCIPAL,  
Bajaj Institute of Technology,  
PIPRI, Wardha.