

About DADSIOT

Dr. A. D. Shinde Institute of Technology (DADSIOT) is an establishment of Dinkarrao K. Shinde Smarak trust, Gadhwad in the year of 2008. The prime motive of the institute is to inculcate moral values in the students of 21st century even the institute inspires to change rural potential into modern technologies. The institute is approved by AICTE, New Delhi, DTE Mumbai and Govt. of Maharashtra, Affiliated to MSBTE, Mumbai Dr. A. D. Shinde Institute of Technology (DADSIOT) is one of the outcomes of sincere efforts of Adv. Shri Shripattrao Shinde (Ex MLA) His aim is to impart quality education to the students from rural area. definitely Dr. A. D. Shinde Institute of Technology will contribute in National Development by its engineers.

Vision of Institute

“To become an excellent technological institute committed to develop a versatile professional to satisfy the needs of industry, society, and the environment.”

Mission of Institute

1. To provide a quality education to achieve best placements.
2. To build leadership qualities to grow professionally and as entrepreneur.
3. To develop an industry competent engineer.
4. To inculcate a sense of social and environmental responsibilities.

About Department

The Department of Civil Engineering was established in 2008 and has made remarkable progress over the past 15 years. The department offers a strong Diploma Programme in Civil Engineering, focusing on developing competent and industry-ready civil engineers.

The department is committed to providing quality technical education in core civil engineering areas such as surveying, construction technology, structural engineering, transportation engineering, environmental engineering, and geotechnical engineering. Emphasis is placed on maintaining high academic standards supported by an updated and industry-oriented curriculum.

The primary objective of the curriculum is to impart sound technical knowledge, enhance problem identification and problem-solving skills, and encourage innovation and the adoption of modern construction practices and emerging technologies. The department's commendable placement record stands as a testimony to its academic excellence and industry relevance.

The department is supported by a team of highly qualified and experienced faculty members who are dedicated to teaching, mentoring, and the overall development of students.

Thank you for sparing your valuable time and visiting the Department of Civil Engineering.

DEPARTMENT VISION

To become an excellent civil engineering department committed to provide quality education to satisfy the needs of industry and society.

DEPARTMENT MISSIONS

1. To develop an entrepreneurial culture to face the challenges of sustainable development.
2. To inculcate habit of innovation to develop the cost-effective methods of construction.
3. To inculcate professional ethics to serve the society.

Program Education Outcome

| | |
|------|--|
| PEO1 | Emerge as a successful entrepreneur and practicing professional for sustainable construction |
| PEO2 | Pursue higher education for implementing modern techniques in the field of construction. |
| PEO3 | Develop professional and ethical attitude for making positive impact on society. |

Program Specific Outcome

PSO1 Design and Estimation

Design and estimate cost effective structure with quality and safety.

PSO2 Primary Construction Activity

Conduct surveys, prepare plans, and mark layout required for construction

Program Outcome

PO1 Basic and Discipline specific knowledge:

Apply knowledge of basic mathematics, science and engineering fundamentals and engineering specialization to solve the engineering problems.

PO2 Problem analysis:

Identify and analyse well-defined engineering problems using codified standard methods.

PO3 Design/ development of solutions:

Design solutions for well-defined technical problems and assist with the design of systems components or processes to meet specified needs.

PO4 Engineering Tools, Experimentation and Testing:

Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.

PO5 Engineering practices for society, sustainability and environment:

Apply appropriate technology in context of society, sustainability, environment and ethical practices.

PO6 Project Management:

Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.

PO7 Life-long learning:

Ability to analyse individual needs and engage in updating in the context of technological changes.

Messages



**Dr. Sanjaykumar M. Ingale,
Principal,
Dinkarao K. Shinde Smarak
Trust's,
Dr. A. D. Shinde Institute Of
Technology**

Dr. A. D. Shinde Institute of Technology is one among reputed technical institutions imparting finest quality education. The evolution of the Institute over the past years has committed to provide professional education with thrust on creativity and innovation.

In DADSIOT, it is believed and practiced that excellence is a continuous process and in pursuit of which the institute has made deep forays into contributing world-renowned technocrats, successful entrepreneurs, competent leaders, innovative scientists and researchers.

I assure the academic, professional and social growth of upcoming engineers at our Institute and wish very all the best to my students for an excellent learning experience at DADSIOT.

1. FROM THE DESK OF HOD



We are delighted to present **InfraVision**, the Department of Civil Engineering's official magazine dedicated to bridging academic excellence with the dynamic world of infrastructure and construction. Each issue brings you closer to the latest advancements in civil engineering, insightful industrial visits, expert guest lectures, innovative student projects, and inspiring alumni stories that highlight the real-world impact of engineering education.

InfraVision is more than just a magazine it is a platform where theory meets practice, design meets execution, and research transforms into sustainable solutions. It reflects the continuous efforts of our students and faculty in shaping resilient structures, smart cities, and a better-built environment.

Step into **InfraVision** to explore departmental achievements, celebrate milestones, and experience the spirit of innovation, responsibility, and excellence that defines Civil Engineering.

Mr. A. S. Kamble
Head of Department
Civil Engineering

 **Faculty**

| Sr | Name of the Faculty | Designation | Specialization |
|-----------|----------------------------|--------------------|-----------------------|
| 1. | Mr. A. S. Kamble | HOD | BE (Civil) |
| 2. | Ms. S. R. Watangi | Lecturer | BE (Civil) |
| 3. | Mr. H. M. Patil | Lecturer | B.Tech.(Civil) |
| 4. | Ms. N. R. Bhoi | Lecturer | BE (Civil) |
| 5. | Ms. A. B. Chilami | Lecturer | B.Tech.(Civil) |
| 6. | Ms. S. G. Patil | Lecturer | BE (Civil) |

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EXPERT LECTURE

Expert Lecture on “AI Application in Civil Engineering”

Name of Event: “AI Application in Civil Engineering”

Date of Event: 26th September 2025

Aim of the Program:

The session aimed to introduce students to the latest trends and applications of Artificial Intelligence in Civil Engineering, including AI-based design and analysis, smart construction practices, project planning and management, structural health monitoring, traffic management, and sustainable infrastructure development. The program focused on bridging the gap between theoretical knowledge and real-time industry practices by highlighting the role of AI in modern civil engineering projects.

Program Details

- **Date:** September 26, 2025
- **Speaker:** Mr. Akshay S Sankpal, CADD Centre Gadhwaj.
- **Topic:** “AI Application in Civil Engineering.”
- **Organizer:** CE Department, DADSIOT
- **Attendance:** 42 student

Conclusion

The expert lecture concluded with a comprehensive understanding of the role of Artificial Intelligence in transforming modern civil engineering practices. Students gained valuable insights into emerging AI-based tools, techniques, and applications used in areas such as structural design, construction management, infrastructure monitoring, and sustainable development. The session strengthened students' theoretical knowledge and enhanced their practical perspective on the integration of AI in civil engineering projects. It also motivated students to explore research opportunities and innovative applications of Artificial Intelligence to address real-world challenges in the civil engineering domain.

Acknowledgment:

The Department of Civil Engineering extends its sincere appreciation to **Mr. Akshay S. Sankpal, CADD Centre, Gadhwaj**, for sharing his valuable expertise and providing insightful knowledge on modern tools and applications relevant to civil engineering. His expert guidance helped students understand the practical aspects of emerging technologies and their role in contemporary civil engineering practices.

This report encapsulates the essence of the enlightening expert lecture, highlighting its significance in nurturing intellectual growth, enhancing technical competence, and developing practical skills among Civil engineering students.

Glimpses of Program



Guest Lecture on “Advancements in total station in surveying and construction.”

Name of Event: “Advancements in total station in surveying and construction.”

Date of Event: 07th October 2025

Aim of the Program:

The session aimed to introduce students to recent advancements in Total Station technology and its applications in surveying and construction engineering. The program focused on enhancing students' understanding of modern surveying techniques, accurate data collection, digital mapping, and construction layout using advanced total station instruments. It also aimed to bridge academic concepts with real-world industry practices, helping students understand how precise surveying data supports effective planning, execution, and decision-making in civil engineering projects.

- **Date: October 07, 2025**
- **Speaker:** Mr. Mahesh A Ballal, Government Contractor.
- **Topic:** “Advancements in total station in surveying and construction.”
- **Organizer:** CE Department, DADSIOT
- **Attendance:** 30 students

Conclusion

The session provided students with a clear understanding of modern Total Station technology and its applications in surveying and construction. It enhanced their practical knowledge of accurate data collection and encouraged the use of advanced surveying techniques in professional practice.

Acknowledgment:

The Department of Civil Engineering extends heartfelt gratitude to Mr. Mahesh A. Ballal for sharing his valuable insights and expertise with the students during the expert lecture on “Advancements in Total Station in Surveying and Construction.” The department also conveys sincere thanks to all the students who actively participated in the program and made the event a memorable and enriching learning experience.

Glimpses of Program



Visits

Construction Site Visit at “Ultratech RMC Plant” Gadhwajlaj.

Name of Event: Visit at “Ultratech RMC Plant” Gadhwajlaj.

Date of Event: 27th September 2025

Event Coordinator: Mr. A. S. Kamble

Aim of the Program:

The aim of the program was to provide students with practical exposure to Ready-Mix Concrete production at Ultratech RMC Plant, Gadhwajlaj, helping them understand quality control, safety practices, and plant operations while bridging the gap between classroom learning and industry practices in civil engineering.

Program Details:

- **Date:** September 27th, 2025
- **Venue:** Gadhwajlaj
- **Participants:** Second-year students
- **Co-ordinator:** Mr. Shahaji Patil (Samarth Ready Mix Concrete Plant Gadhwajlaj)

Conclusion:

Through the visit to Ultratech RMC Plant, Gadhwajlaj, students gained firsthand exposure to modern concrete production processes, quality control measures, and real-world construction workflows. The visit enhanced their practical understanding of Ready-Mix Concrete operations, material testing, and plant management, while highlighting the importance of applying theoretical knowledge to solve real-life civil engineering challenges.

Acknowledgement:

We extend our sincere appreciation to Ultratech RMC Plant, Gadhwajlaj, for welcoming our students and providing an in-depth perspective on modern concrete production, quality control, and construction practices. The guidance and insights shared by the plant engineers and technical staff greatly enriched the learning experience and offered valuable exposure to industry-standard operations.

We also acknowledge the support of our institutional faculty, coordinators, and organizers, whose efforts made this industrial visit possible. Their guidance ensured a productive and well-structured interaction with the industry, enhancing students' practical understanding of Civil engineering processes.

Experience Glimpses of Visit:



Construction Site Visit at “Apartment” Gadhwaj.

Name of Event: Construction site visit at Gadhwaj.

Date of Event: 27th September 2025

Event Coordinator: Mr. A. S. Kamble

Aim of the Program: The aim of the program was to provide students with practical exposure to real-time construction site activities and to help them understand on-site construction practices, project planning, safety measures, quality control, and coordination among various stakeholders. The visit was intended to bridge the gap between classroom learning and actual field practices, enabling students to gain hands-on knowledge of construction workflows and site management in civil engineering projects.

Program Details:

- **Date:** September 27th, 2025
- **Venue:** Gadhwaj
- **Participants:** First year & Second year students
- **Co-ordinator:** Mr. Rohan Subhash Majgavkar Contractor.

Conclusion: The construction site visit at Gadhwaj provided students with valuable insights into real-time construction practices, site management, and safety procedures. The interaction with on-site engineers and observation of ongoing activities helped bridge the gap between theoretical knowledge and practical application, enriching students' understanding of civil engineering and motivating them towards professional practice in the field.

Acknowledgement:

We express our sincere gratitude to the construction site authorities at Gadhwaj for providing an informative and engaging site visit. We thank the site engineers and technical staff for their guidance and practical explanations during the visit. We also acknowledge the efforts of our faculty members and organizers for successfully coordinating and managing the construction site visit.

Experience Glimpses of Visit:



Two Days Workshop on “Smart Structures: Designing for cost, quality, and safety”.

Name of Event: Two Days Workshop for “Smart Structures: Designing for cost, quality, and safety”.

Date of Event: 29th & 30th September 2025

Event Coordinator: Ms. Chilami A. B.

Aim of the Program:

The workshop aimed to equip Second year & Third Year students with fundamental knowledge of smart structures and their applications in civil engineering, focusing on design approaches that ensure cost efficiency, quality, and safety. The program was intended to enhance students' understanding of modern construction practices, innovative materials, and technology-driven solutions used in smart and sustainable infrastructure.

Program Details:

Day 1: Fundamentals of Smart Structures & BIM Concepts

Session 1: Inauguration & Introduction

- Welcome address
- Overview of workshop objectives
- Introduction to Smart Structures in modern civil engineering
- Overview of Building Information Modeling (BIM) and its importance in cost, quality, and safety management

Session 2: Introduction to BIM & BIM Dimensions

- Concept and evolution of BIM
- BIM Dimensions:
 - 3D – Geometry & visualization
 - 4D – Time & scheduling
 - 5D – Cost estimation
 - 6D – Sustainability
 - 7D – Facility management
- Role of BIM in smart and sustainable infrastructure projects

Session 3: Overview of BIM Software Tools

- Introduction to major BIM tools used in the industry:
 - AutoCAD – 2D drafting & documentation

- Revit Architecture – Architectural modeling
- Revit Structure – Structural modeling & detailing
- Revit MEP – Mechanical, Electrical & Plumbing services
- Tekla Structures – Advanced structural detailing
- Navisworks – Clash detection & coordination
- BIM 360 – Cloud-based collaboration & project management

Session 4: Introduction to Revit Software

- Understanding Revit interface and workflow
- Project setup and levels
- Basic modeling concepts
- Smart modeling vs conventional drafting

Day 2: Revit Software – Practical Applications

Session 1: Revit Architecture (Practical)

- Creating architectural models
- Walls, floors, doors, windows
- Views, sections, and elevations
- Architectural documentation

Session 2: Revit Structure (Practical)

- Structural modeling concepts
- Columns, beams, slabs, and foundations
- Reinforcement basics
- Structural coordination with architectural models

Session 3: Revit MEP & Coordination

- Overview of MEP systems
- Integration of MEP with structural and architectural models
- Clash detection using **Navisworks**
- Importance of coordination for safety and quality

Session 4: BIM Coordination, Project Output & Valedictory

- Model coordination and interdisciplinary collaboration
- Quantity take-off and basic cost estimation
- Industry use cases of BIM in smart structures
- Participant feedback
- Certificate distribution

- Vote of thanks

Conclusion:

The two-day workshop on “Smart Structures: Designing for Cost, Quality, and Safety” successfully enhanced participants’ understanding of modern construction practices, smart structural concepts, and the role of BIM in achieving efficient, safe, and cost-effective designs. The sessions improved students’ practical awareness of advanced tools and technologies used in Civil engineering and increased their confidence in applying these concepts to real-world projects.

Acknowledgement

The organizers extend heartfelt gratitude to all workshop participants, facilitators, guest speakers, and collaborating partners for their invaluable contributions to the successful conduct of the workshop. Special thanks are extended to Mr. Omkar Ashok Jadhav, Junior Civil Design Engineer, Infinite Graphix Technologies Pvt. Ltd., Kolhapur, for sharing his valuable insights and expertise, which greatly enriched the learning experience of all participants

Glimpses of Program:



Rankers

TOPPERS OF 2ND YEAR

| Ranks | Name of Student | Percentage/ SGPA |
|-------|-------------------------|------------------|
| 1 | Madarkhan Saniya Salim | 67.00 |
| 2 | Patil Dattatray Ishwara | 66.67 |
| 3 | Palve Dhondi Suresh | 62.11 |

TOPPERS OF 3RD YEAR

| Ranks | Name of Student | Percentage/ SGPA |
|-------|--------------------------|------------------|
| 1 | Nimbalkar Anjali Prakash | 81.44 |
| 2 | Narvekar Aditya Jayvant | 69.78 |
| 3 | Ghasti Sudhakar Karvir | 69.37 |

Certificate



DR. A. D. SHINDE INSTITUTE OF TECHNOLOGY

A/p:Bhadgaon, Tal: Gadchinglaj, Dist:Kolhapur Maharashtra-416502

CERTIFICATE of Completion



This is to certify that

Ms. Watangi Sheetal Rajendra

From Department of Civil Engineering
of Dr. A. D. SHINDE Institute of Technology.

Has Successfully Completed One Week Faculty Development Program (FDP) under ISTE on

"Innovative Pedagogies for Educator Empowerment to Increase Students Engagement"

from 29 July. - 02 Aug. 2025 organize

Dr. A. D. Shinde Institute of Technology, Bhadgaon

Mr. A. M. Desai
Co-ordinator

Dr. S. M. Ingale
Principal

DR. A. D. SHINDE INSTITUTE OF TECHNOLOGY

A/p:Bhadgaon, Tal: Gadchinglaj, Dist:Kolhapur Maharashtra-416502

CERTIFICATE of Completion



This is to certify that

Mr. Patil Harshvardhan Maruti

From Department of Civil Engineering
of Dr. A. D. SHINDE Institute of Technology.

Has Successfully Completed One Week Faculty Development Program (FDP) under ISTE on

"Innovative Pedagogies for Educator Empowerment to Increase Students Engagement"

from 29 July. - 02 Aug. 2025 organize

Dr. A. D. Shinde Institute of Technology, Bhadgaon

Mr. A. M. Desai
Co-ordinator

Dr. S. M. Ingale
Principal

DR. A. D. SHINDE INSTITUTE OF TECHNOLOGY

A/p:Bhadgaon, Tal: Gadchinglaj, Dist:Kolhapur Maharashtra-416502

CERTIFICATE

of Completion



This is to certify that

Ms. Bhoi Neha Rajiv



From Department of Civil Engineering
of Dr. A. D. SHINDE Institute of Technology.

Has Successfully Completed One Week Faculty Development Program (FDP) under ISTE on
"Innovative Pedagogies for Educator Empowerment to Increase Students Engagement"

from 29 July. - 02 Aug. 2025 organized

Dr. A. D. Shinde Institute of Technology, Bhadgaon

Mr. A. M. Desai
Co-ordinator

Dr. S. M. Ingale
Principal

DR. A. D. SHINDE INSTITUTE OF TECHNOLOGY

A/p:Bhadgaon, Tal: Gadchinglaj, Dist:Kolhapur Maharashtra-416502

CERTIFICATE

of Completion



This is to certify that

Ms. Chilami Akshata Basavraj



From Department of Civil Engineering
of Dr. A. D. SHINDE Institute of Technology.

Has Successfully Completed One Week Faculty Development Program (FDP) under ISTE on
"Innovative Pedagogies for Educator Empowerment to Increase Students Engagement"

from 29 July. - 02 Aug. 2025 organized

Dr. A. D. Shinde Institute of Technology, Bhadgaon

Mr. A. M. Desai
Co-ordinator

Dr. S. M. Ingale
Principal

DR. A. D. SHINDE INSTITUTE OF TECHNOLOGY

A/p:Bhadgaon, Tal: Gadchinglaj, Dist:Kolhapur Maharashtra-416502

CERTIFICATE

of Completion



This is to certify that

Mrs. Shreya Gaurav Patil

From Department of Civil Engineering
of Dr. A. D. SHINDE Institute of Technology.

Has Successfully Completed One Week Faculty Development Program (FDP) under ISTE on

"Innovative Pedagogies for Educator Empowerment to Increase Students Engagement"

from 29 July. - 02 Aug. 2025 organized

Dr. A. D. Shinde Institute of Technology, Bhadgaon


Mr. A. M. Desai
Co-ordinator




Dr. S. M. Ingale
Principal

 **PLACEMENTS**

| Sr. | Name of the Student | Placed/ Higher Education/ Entrepreneur | Details | Salary Offered |
|------------|----------------------------|---|--|---------------------------|
| 1. | Narvekar Aditya Jayavant | Placed | Msquare Construction, Mapusa Goa | Rs. 16,000/- per month |
| 2. | Ghasti Sudhakar Karvir | Placed | Veermala Construction, Gijwane, Gadhwinglaj | Rs. 16,000/- per month |
| 3. | Patil Vishal Manohar | Placed | Veermala Construction, Gijwane, Gadhwinglaj | Rs. 16,000/- per month |