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DTE College Code: EN-5161

DEPARTMENT OF CIVIL ENGINEERING

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WHAT'S INSIDE

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Department of Civil Engineering

Vision –

To deliver holistic and quality technical education that develops civil engineers with strong ethics, modern technical competence, multidisciplinary awareness, and leadership skills to contribute to the society.

Mission -

M1- To develop civil engineering graduates proficient with sustainable design principles, promoting eco-friendly solutions that address environmental challenges and resource conservation

M2- To cultivate professional competence and leadership in civil engineering graduates by integrating technical learning with real-world applications

M3- To empower graduates with a strong technical knowledge in civil engineering discipline and practical skills to meet global engineering challenges.

Program Educational Objectives

PEO1 :Engineer Graduates will able to apply fundamental and advanced civil engineering knowledge to, analyze, design and execute sustainable and eco-friendly projects.

PEO2 : Engineer Graduates will be able to exhibit leadership, effective communication, and teamwork skills in multidisciplinary environments for successful project management and execution

PEO3 : Engineer Graduates will be able to excel in professional practice by utilizing modern tools and innovative approaches to solve real-world civil engineering problems

PEO4 : Engineer Graduates will be confident to engage in higher studies, research, or entrepreneurship to adapt to emerging technologies

Program Specific Outcomes

PSO1: Engineering graduates will be able to apply principles of civil engineering to plan, analyze, and design sustainable, eco-friendly, and resilient infrastructure systems considering environmental and resource conservation aspects.

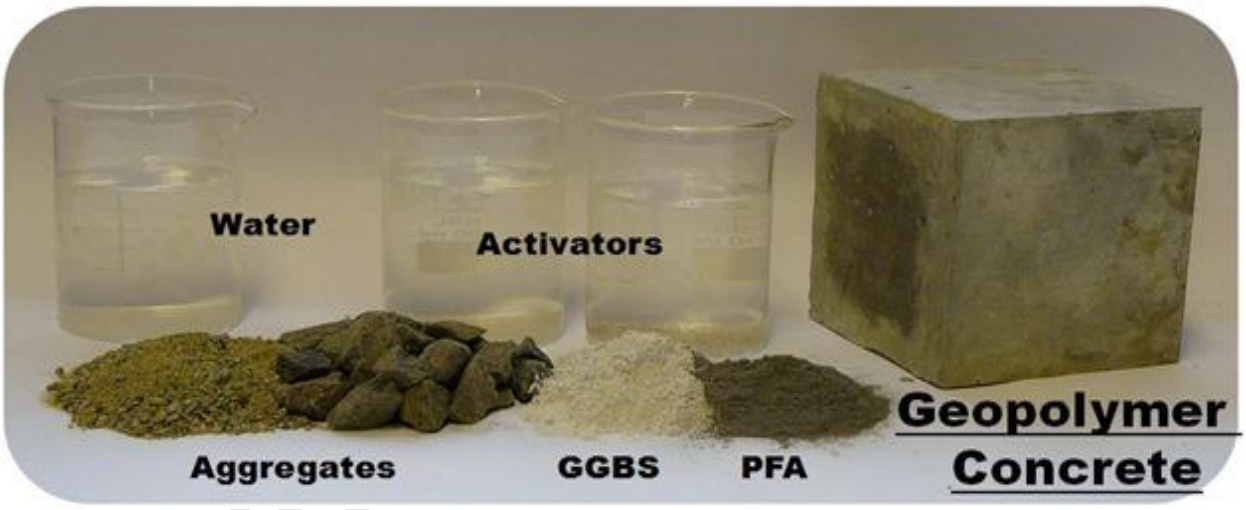
PSO2: Engineering graduates will be able to utilize advanced tools, technical knowledge, and practical skills to solve real-world civil engineering problems.

PSO3: Engineering graduates will be able to demystify professional skills for unremitting learning process to develop successful leaders and entrepreneur

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Geopolymer Concrete : Ecofriendly Construction Material

Geopolymer concrete is an innovative and eco-friendly construction material and an alternative to Portland cement concrete. Use of geopolymer reduces the demand of Portland cement which is responsible for high CO2 emission. Geopolymer cement concrete is made from utilization of waste materials such as fly ash and ground granulated blast furnace slag(GGBS). Fly ash is the waste product generated from thermal power plant and ground granulate blast furnace slag is generated as waste material in steel plant. Both fly ash and GGBS are processed by appropriate technology and used for concrete works in the form of geopolymer concrete. The use of this concrete helps to reduce the stock of wastes and also reduces carbon emission by reducing Portland cement demand. The main constituent of geopolymers source of silicon and aluminium which are provided by thermally activated natural materials (e.g. kaolinite) or industrial byproducts (e.g. fly ash) and an alkaline activating solution which polymerizes these materials into molecular chains and networks to create hardened binder. It is also called as alkali-activated cement or inorganic polymer cement.



Events Organized

Workshop on Auto CAD (2D) Software

Er. Rohit Kokane, Director, MCAD Training Institute, Pune, conducted AutoCAD workshop on 31st July to 1st August 2025. Rohit Kokane is the alumnus of batch 2015. 34 students participated in the workshop and got benefitted. AutoCAD 2D software gives students a powerful digital platform to create precise technical drawings, floor plans, and schematics, replacing outdated manual drafting with fast, accurate tools






Two Days workshop on “MSP Software”

Er. Rohit Kokane, Director, MCAD Training Institute, Pune 2015 batch conducted workshop on " Microsoft Project (MSP) Software " for TE Civil students. 19 students attended the workshop. Learning **Microsoft Project (MSP)** software helps students plan, track, and manage complex projects efficiently. The course aimed to enhance students' proficiency in using MSP for project planning, scheduling, monitoring, and control. It provided hands-on experience, enabling students to develop essential project management skills required for effective execution of civil engineering projects. It was a highly valuable experience for the participating TE Civil Engineering students.





Expert lecture on "Career Opportunities in Civil Engineering Government Sector"

Expert lecture on "Career Opportunities in Civil Engineering Government Sector "was organized on 15/07/2025. Mr. Vikrant Landage, Civil Engg.Assistant, Public Works Dept, Circle office, Ahilyanagar was the Keynote speaker. Er.Vikrant Landage Alumnus of batch 2022 gave detailed idea about the government exams for which civil engineering students can appear. He cleared different doubts of the students and insisted to take efforts for the preparation of government exams.









Expert lecture on "Career Guidance on Competitive Examinations in Civil Engineering on 1/10/2025"

Ms. Dhanashree Harishchandre (Alumnus 2013) Deputy Executive Engineer (Grade I),Irrigation Dept, Ahilyanagar. Er. Dhanashree Harishchandre discussed about the different job profiles available in government sector for civil engineering students. She also explained organizational structure of Irrigation Department and responsibilities of the concerned officers.









Toppers in the Department

Year	Name of the Student	Percentage	
BE	Kale Pratik Sanjay	8.69	
	Aute Shubhangi Rameshwar	8.16	
	Dhobale Onkar Vijay	7.88	
TE	Gawande Sonali K.	9.62	
	Divte Sanskruti Vilas	9.33	
	Gadade Saurabh Chagan	9.21	

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SE	Kadnar Pritika Rajendra	8.57	
	Kalhapure Rutuja Rajendra	8..02	
	Sapre Vaibhav Rajendra	7.88	

Industrial Exposure

Industrial visits were organized for students of third year and final year.

Sr. No.	Destination	Address	Class	No. of Students attended	Date/s of Visit
1.	Argo-metrology laboratory	DVVP College of Agriculture, Vilad Ghat, Ahilyanagar.	TE	25	28th October 2025
2.	Maharashtra Pollution Control board	Regional Office, Savedi, Ahilyanagar	BE	28	17th October 2025
3.	Water Treatment plant	MIDC Ahilyanagar	TE	25	10th Sept 2025
4.	Elite-18 tower, construction site	Near D-Mart, Pipeline Road, Ahilyangar	TE	25	07th Nov 2025

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Glimpses of the Industrial Visits













Hands on Training

Hands on training of STAAD-PRO software was organized by CESA

