



Marathwada Shikshan Prasarak Mandal's
DEOGIRI INSTITUTE OF ENGINEERING AND MANAGEMENT STUDIES
(An Autonomous Institute)

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DTE CODE : 2114

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AISHE : C-34671

Civil Engineering Department

Development Activities- Patent Filed/ Published/Granted

Sr. No	Patent Application No.	Title of the Patent	Status of Patent (Published/Granted)	Inventor/s Name	Patent Published Date / Granted Date
1	202521111472	IoT-Based Brick Wall Quality Testing Device	Utility– Indian	Dr. G. R. Gandhe, Dr.A.S.Pathan et al	19/12/2025
2	202541066642	Self-Healing Concrete with Nano-encapsulated Bacteria for Sustainable Infrastructure	Utility– Indian	Dr. G. R. Gandhe, Dr. Durgesh Tupe	12/07/2025
3	457633-001	AI Based Cement Mixture Machine	Design – Indian	Dr.A.S.Pathan	05/05/2025
4	452947-001	IOT Based Cement Quality Analysis Devic	Design – Indian	Mrs. Ravish h. Khan	30/05/2025
5	6450999	Modular Sensor Node for Smart Infrastructure Application	Granted – Indian	Mrs. Isha Katariya	23/06/2025
6	202521071477 A	AI-Integrated module Seismic Membrane for Passive Earthquake Retrofitting and Real-Time Risk mapping	Published– Indian	MS. A. K. Pardeshi	12/9/2025
7	466699-001	Gesture Controlled Smart Home Interface	Design – Indian	Mr. M. Z. Shaikh	21/07/2025
8	202421063835	Portable Unit for On-Site Demolition Waste Filtration and Processing	Utility– Indian	Mrs. Fatima Ansari	23/08/2024
9	202021015024	A System & method for measuring concrete strength	Granted – Indian	Dr. G.R. Gandhe	02/01/2024
10	20211107098	A system for thermal insulation of building using pcm	Granted – Australian	Dr. Ansari Amena, Dr. G.R. Gandhe	17/11/2021

11	20211107280	A System & method for measuring soil nutrition	Granted – Australian	Dr. G.R. Gandhe	24/11/2021
12	202141040630	Machine learning based vehicle accident prediction model in rainfall environment	Published – Indian	Dr. Ansari Amena	07/09/2021
13	202121038326	A system for thermal insulation of building using pcm	Published – Indian	Dr. Ansari Amena	24/08/2021


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