

G.S. Mandal's
Marathwada Institute of Technology, Aurangabad

Faculty Information

1. **Name:** Vasudev Raghunath Upadhye
2. **Qualification:** BE Civil Engineering, ME Civil-Structural Engineering
3. **Phone:** 9673217878
4. **Email:** vasudev.upadhye@mit.asia
5. **Discipline/ Expertise:** Civil Engineering:- Structural Engineering
6. **Total Experience:** 24 Years
(Teaching Experience: 19 Years; Industrial Experience: 05 Years)
7. **Associated with the group since:** 21 Years

8. Brief Profile and Achievements:

a) Teaching Expertise:

08 UG Subjects (namely Engineering Mechanics, Strength of Materials, Theory of Structures I & II, Structural Mechanics, Design of Steel Structures, Design of RCC Structures, Advanced RC Structures, Prestressed Concrete).

04 PG Subjects (namely Theory of Elasticity & Plasticity, Matrix Methods in Structural Analysis, Structural Dynamics, Finite Element Analysis)

PG Dissertations: Completed 14 PG Dissertations

b) Administrative Experience:

04 Years successfully worked as Rector of Boy's Hostel, MIT.

05 Years successfully worked as Head, Civil Engineering Department.

04 Years worked as Assistant Engineer Grade I, WRD, GoM, (Class I officer).

c) Publications:

Technical Book: Engineering Mechanics

(Contribution: Complete Static Analysis Part of the Book and Graphical Methods: Graphic Statics)

Technical Papers: 12 Technical Papers in International Journals

(Completely different streams of structural analysis)

d) Consultancy:

In addition to regular material consultancy like concrete/ steel/ soil testing etc, consultancy related to Third Party Inspections, Structural Audits etc. are carried regularly. Many of the UG as well as PG students are involved in various projects.

e) Laboratory Development:

2002: Surveying Laboratory (Major Equipments: 01 Second Theodolite, EDM)

2006: Material Testing (Major Equipments: 100 Tonne Capacity UTM)

2012: All UG Laboratories of three institutes in Aurangabad Campus

(MIT (P): Applied Mechanics, Geotechnical Engineering, Total Station, Digital Planimeter)

(MIT (E): Material Testing Lab, Geotechnical Engineering Lab, Transportation Engineering Laboratory) Major Equipments: Direct Shear Test, Triaxial Test, 40 Tonnes Computerised UTM, Torsion Test, Hardness Test, Impact Test equipments, Computer Lab with 02 Software etc)

(MIT (T): Digital CTM etc.)

2014: PG Laboratory Structural Dynamics (Major: Complete New Lab)

2016: Non Destructive Testing (Major: Complete New Lab)

2019: Partial Development of equipments in All Laboratories (Major Equipments: Computerised CTM, Ductility Test, Impact Test, and Fluid Mechanics Equipments Complete Set Up)

f) Design of New Courses & Curriculum:

Dr. Babasaheb Ambedkar Marathwada University, Aurangabad

2002-03, 2016-17 SE, 2003-04, 2017-18 TE, 2005-06, 2018-19 BE member of syllabus revision committee

Subjects: Engg. Mechanics (Added 3D Analysis, Lifting Machines), Structural Mechanics

New Courses: UG: Limit State Design, Elective: Computer Applications in Civil Engineering

PG: Structural Dynamics (Theory & Practical), Finite Element Analysis
(converted from elective to compulsory subject)

Dr. Babasaheb Ambedkar Technological University, Lonere

Complete Syllabus of PG: 2016 Civil-Structural Engineering

Member of syllabus revision committee of UG Subjects contributed for Mechanics of Solids, Structural Mechanics I and Structural Mechanics II.

g) New Constructions & Renovations of Buildings/ Furniture etc:

1999-2001: Construction related activities of MIT Hospital.

2001-2002: Renovation of furniture in Boy's & Girl's Hostel

2006-2007: Partial renovation of Main Building

2004-2007: Construction related activities of Library Building

2006-2007: Structural Design & Construction related activities of new Girl's Hostel

2013-2014: Renovation of Part of First Building of MIT for Lecture Halls of Civil Engineering

2016-2017: Partial Construction activities of M-CIP Building

2017-2018: Renovation of First Building of MIT Campus, Civil Engineering Department

h) Workshops/ Seminars/ STTP/ Expert Lectures etc:

Conducted: 12 (Limit State Design, Introduction to Structural Engineering, Refresher Course in Structural Engineering, ANSYS (02), NDT (05), Concrete Mix Design, etc) for faculty, 04 for students.

Attended: MIT Sponsored Important workshops like Entrepreneurship Development Program under MITCON (02 Weeks), Emotional Intelligence (10 Weeks) etc.

i) Achievements:

2006: Certificate of Appreciation by GS Mandal, Aurangabad for Technomillennium 2006

2010: Certificate of Appreciation by Chief Engineer, WRD, GoM for best utilisation and distribution of water for irrigation.

2011: Excellent Employee, WRD, GoM.