


Department of Applied Mechanics

Name: Dr. Sangeeta Gadve Associate Professor	
Area of Specialization: Concrete Technology, Reinforced Concrete, Prestressed Concrete, Non destructive testing of civil structures, Structural health monitoring, Finite Element Analysis	
Prominent journal paper publications: <ol style="list-style-type: none">1. Gadve, S., Mukherjee, A., Malhotra, S., N., (2009). "Corrosion of Steel Reinforcements Embedded in FRP Wrapped Concrete," J. Constr. Build. Mater. (23), 153-161.2. Gadve, S., Mukherjee, A., Malhotra, S., N., (2010). "Corrosion Protection of FRP wrapped Reinforced Concrete," ACI Structural Journal, Vol.107, No 04, 349-356.3. Gadve, S., Mukherjee, A., Malhotra, S., N., (2011). "Active protection of FRP wrapped reinforced concrete structures against corrosion," J. Of Science and Engg. CORROSION—Vol. 67, No. 2, 025002-01 to 025002-11.	

Other prominent publications (Conf.):

1. Gadve, S., Mukherjee, A., Malhotra, S., N., (2009). "CORROSION OF STEEL REINFORCEMENTS EMBEDDED IN FRP WRAPPED CONCRETE," CORCON2007, International Conference on Corrosion, 26-28 September 2007, Mumbai, India.
2. Gadve, S., Mukherjee, A., Malhotra, S., N., "Corrosion of Steel Reinforcements Embedded in FRP Wrapped Concrete," CICE2008, 4th International Conference on FRP Composites in Civil Engineering, 22-24 July 2008, Zurich, Switzerland.

3. Gadve, S., Mukherjee, A., Malhotra, S., N., “Active Protection of FRP wrapped Reinforced Concrete Structures against Corrosion” Concrete Solutions 3rd International Conference on Concrete Repair, June29 – July02 2009, Padua, Italy.
4. Gadve, S., Mukherjee, A. “ FRP Wraps For Prevention of Corrosion on Reinforced Concrete Structures ” ICERP2011, International Conference on Fiber Reinforced Plastics, held at Mumbai, during 01-03 March 2011.

Ph D research students guided, research topics, brief statement of achievements,

- 1.Mr. Nagesh Shelke , working on “Short Term And Long Term Performance of Concrete by Accelerated Curing” At Sardar Patel College of Engineering, University of Mumbai.
- 2.Mr. Prasad Bahekar, working on “Life Cycle Prediction of RC structures exposed to corrosive environment”, FT at VNIT, Nagpur.
- 3.Mr. Rajesh Parve, completed course work as PT at VNIT, Nagpur.

Sponsored research projects, brief statement of achievements:

Sponsoring Agency	Title of project	Amount of grant	Period	Co-investigators (if any)
SPCE	Cathodic Protection of reinforcement in RCC Structure	1.5 Lacs	1 year	Sole Investigator

Consultancy research projects, brief statement of achievements : 30+ consultancy projects are completed. Some of them are-

Organization	Title of project	Amount of grant	Period	Co-investigators (if any)
Maratha Mandir, Bombay central, Mumbai.	Stability and capacity checking for existing Babasaheb Gawde Institute, Maratha Mandir Trust, Mumbai Central, Mumbai.	3.5 Lacs	3 Months	-----
IDBI Bank, Belapur, New Mumbai.	Total Condition Assessment	2.5 Lacs	4 Months	Dr. A. N. Bambole

Turbhe Flyover, New Mumbai.	Condition Assessment and suggesting suitable repair techniques	10 Lacs	7 Months	Dr. A. N. Bambole
Oceinic CHS, Versova, Mumbai.	Measurement of the suspected tilt of the building	1 Lac	15 days	-----
Mahatma Gandhi Setu, Patna.	Strengthening of the bridge by external Prestressing	2.1 Lacs	1 month	-----
Redevelopment of Juhu Chandan CHS, Mumbai.	Proof-checking of RCC design	3.5 Lacs	ongoing	-----

Other capabilities (administrative and other achievements)

- **Received Pre secondary (Poorva Madhyamic Std. IV) scholarship**, for getting 4th rank in Nagpur District.
- **Ranked 18th in order of merit in Std X**, State Secondary Board Examination
- **Elected as Member of Local Managing Committee** of Sardar Patel College of Engineering, Andheri (W) (An Autonomous Institute)
- **Reviewer of ACI (American Concrete Institute) Material/Structural Journal.**
- Certificate of Appreciation for academic performance from management of SPCE for the year 2007-2008
- **Resource person on the panel of experts of Dr. Fixit Training Institute**
- **Received 100% UGC travel grant to Venice, Italy** for presenting the paper at international conference.
- **Organizing Secretary of the 'SPICON2012'**, International Conference organized by SPCE
- **Member, Advisory Committee for WSSR**
- **Faculty Advisor for M.Tech.** Batch 2012-2014 and Faculty mentor for First year students at VNIT, Nagpur.
- **Departmental coordinator for M.Tech admissions, 2013.**
- **Time Table Coordinator** for department of Applied Mechanics.
- **Setting up of Advanced Concrete Technology Lab** at VNIT.