



## Mr. Pravin A. Manatkar

M.E. (Structural Engineering), B.E. (Civil Engineering)

**Assistant Professor**

☎ 7720909977 (M) , 9273649546 (O)

✉ pravinmanatkar@rediffmail.com , [pravinmanatkar.tae@kjei.edu.in](mailto:pravinmanatkar.tae@kjei.edu.in)

**Experience: 6 years**

### ❖ Research Interest

Structural Engineering, Concrete Technology ,Geopolymer Concrete, Solid Waste.

### ❖ Research Publications and Citations

International Journal	: 10	National Journal	: 01	National / International Conferences	: 02
Google Scholar citations	: 8	Google Scholar h-index	: 01	Google Scholar i10-index	: 01

### ❖ Research

Details of Paper	Year of Publish	Nature
"USE OF NON-METALLIC E-WASTE AS A COARSE AGGREGATE IN A CONCRETE" Volume 4, Issue 3; March 2015e-ISSN: 2319-1163   p-ISSN: 2321-7308	2015	International
"DISPOSE NON METALLIC E-WASTE AS COARSE AGGREGATE IN CONCRETE" Volume 1 Issue 11 April 2015  ISSN: 2349-6002	2015	International
"REDUCE GREEN HOUSE GAS BY USING FLY-ASH BASED GEOPOLYMER CONCRETE IN CONSTRUCTION" Volume 1 Issue 12 May 2015  ISSN: 2349-6002	2015	International
"FLY ASH BASED GEOPOLYMER CONCRETE" Volume 9 : Issue 1 JUNE 2016  Special Issue page 1051 ISSN: 0974-3588	2016	International

“ENERGY EFFICIENCY IN SUSTAINABLE BUILDING FOR CRADLE TO GRAVE ASSESSMENT” Volume 4 Issue 2 June 2017  ISSN: 2349-6002	2017	International
“PHYSICO-CHEMICAL ANALYSIS AND CURATIVE APPROACH TO MUTHA RIVER POLLUTION” Volume: 05 Issue: 05   May-2018 e-ISSN: 2395-0056 p-ISSN: 2395-0072	2018	International
“DESIGN AND ANALYSIS OF HIGH-RISE BUILDING WITH AND WITHOUT FLOATING COLUMNS” Volume 4, Issue 5 in May 2018 ISSN [ONLINE] : 2395-1052	2018	International
“LIFE CYCLE COST ANALYSIS OF COMMERCIAL BUILDING (COLLECTOR OFFICE PUNE) WITH SUSTAINABILITY APPROACH” Volume 6, Issue VI, June 2018  ISSN: 2321-9653	2018	International
“FEASIBILITY CHECK AND DESIGN OF VERTICAL SEWAGE TREATMENT PLANT IN KATRAJ (PUNE) REGION” Volume 7, Issue IV, April 2019  ISSN: 2321- 9653	2019	International
“NEED OF VERTICAL SEWAGE TREATMENT PLANT IN CONGESTED AREA IN CITY” [Study Area Katraj Pune] ISSN 0973-2861	2019	International

### ❖ **Conferences**

#### **Details of Conference**

	<b>Year</b>	<b>Nature</b>
NATIONAL CONFERENCE ON RESEARCH DESIGN AND DEVELOPMENT IN ENGINEERING, MANAGEMENT & SCIENCE ,RDTC PUNE	2016	National
3RD INTERNATIONAL CONFERENCE ON APPLIED SCIENCE, ENGINEERING ,TECHNOLOGY, MANAGEMENT AND PHARMACY(ICASETMP-2019-25th& 26th April2019)	2019	International

### ❖ **Institute/University Services**

- Working as a Paper setter Bharti Vidhyapith University, Pune (B.E. Civil)
- Worked as syllabus setter in MSBTE Maharashtra

### ❖ **NPTEL online Certifications**

- Digital Survey and Land Mapping-Elite -2018
- Geotechnical Engineering Laboratory- Elite Silver-2018

### ❖ **Awards/Noteworthy Achievement**

Nominated in Global Intellect Summit Education Awards-2018 (Category : GIS Best Innovative and Outstanding Faculty Award)  
Mentor on Texas instrument 2019  
Mentor on Vishwakarma Chhatra Award AICTE 2019

### ❖ **Professional Affiliations**

- IAENG(246457)- International Association of Engineers
- IFERP(PM48697103)- Institute for engineering research and publication

### ❖ **Workshop/Seminar Attended**

- Research Proposal, Paper, IPR & Patent Drafting , PCCOER Pune 2017
- Role Of Civil Engineer in Sustainable Urban Development , DYP Pimpri 2017
- “ULTRATECH CEMENT” (C.O.E.T.A) 2010
- “DR.FIXIT SOLUTION” (C.O.E.T.A.) 2011
- JYPEE CEMENT (MATERICA 2012)

### ❖ **Academic Experiences**

- Working as a third party evaluator in ‘**Jalyukt Shivar Yojna of Govt. of Maharashtra**’.
- Working as a ‘**CSR head**’ in college.
- Working as a college level infrastructural in charge.
- Working as a ‘**time table in charge**’ Civil Engineering Department.
- Worked as a ‘**UG project coordinator**’ in Civil Engineering Department.
- Worked as ‘**center superintendent**’ in NEET (UG) 2017 & 2018.
- Worked as a ‘**CESA in charge**’ Civil Engineering Department.
- Worked as ‘**Criteria IV in charge**’ in **NAAC** 2017 and get A Grade.
- Working as ‘**trainer**’ in Trinity Academy of Water Sciences tie up with Australian Institutes Water Sciences.
- Worked as a ‘**academic monitoring head**’ in Civil Engineering Department.

### ❖ **UG Project guided/ PG Project guided**

- STRUCTURAL HEALTH MONITORING OF PUNE METRO AFFECTED AREA NEAR SWARGATE (UG) 2019
- TRAFFIC SURVEY AND DESIGN EFFECTIVE SIGNAL SYSTEM IN UNDRI CHOWK (UG) 2019
- DESIGN OF SUSTAINABLE TOILETS FOR RURAL AREAS (UG) 2019
- PHYSICO-CHEMICAL ANALYSIS AND CURATIVE APPROACH TO MUTHA RIVER POLLUTION (UG) 2018
- LIFE CYCLE COST ANALYSIS OF COMERCIAL BUILDING USING SUSTAINABILITY APPROACH (UG) 2018

- REPLACEMENT OF CEMENT BY USING WASTE MARBLE POWDER(WMP) BASED GEOPOLYMER IN CONCRETE (UG) 2017
- MANUFACTURE OF PAVER BLOCK USING PARTIAL REPLACEMENT DEMOLISHED CONSTRUCTION WASTE (UG) 2017

❖ **Subject Thought**

1] Structural Analysis-I & II  
4] Engineering Mechanics

2] Advance Surveying  
5] Geotechnical Engineering

3] Strength of Material  
6] Architectural and Town Planning