

Mr. Maske Ravi G. BE (Civil), M.Tech(Structure).

Maske Niwas,
Opp. Chavanda hospital,
Vishal Nagar, Barshi Road,
Tq. & Dist. Latur [Maharashtra], India
Mobile: (0091) 9511608812
Email: ravimaske2403@gmail.com



PRESENT POSITION : **Assistant Professor**
N.K. Orchid College of Engineering and Technology,
Solapur (Dist)-413002 , Maharashtra, India.

RESEARCH INTERESTS : Structural Design, Geo-Technical, Planning and Execution, Finite
Element Analysis

EDUCATION : B.E. (Civil); M.Tech. (Structure)
Masters: M.Tech from **VJTI, Mumbai** Year 2010.
Bachelors: B.E. Civil from S.R.T.U.M. Nanded University
Year-2008

Teaching Experience : 10 years

Research Proposal : **00**
International Conferences : **01**
Total Research Paper published : **07**
Project guided for post graduate level : **02**
Project guided for under graduate level : **06**

POSITIONS HELD

June 2012 – Till date:

Designation : Assistant Professor
Organization : N.K. Orchid College of Engineering and Technology, Solapur.
University Approval : Letter No. SUS/MVVM/SM/2013-14/6258 Dtd. 06-12-2013

PG Approval : Letter No. SUS/BCUS/PGBUTR/2016/9412 Dtd. 04-10-2016

February 2011 to June 2012

Designation : Junior Engineer (Civil)

Organization : M.S.E.D.Co. Ltd., C.C.C.M. Division, Osmanabad (MSEB)
(MahaVitran)

June 2009 to January 2011

Designation : Lecturer

Organization : P.G. Moze College of Engineering, Wagholi, Pune

Title of Masters Dissertation

**PROGRESSIVE COLLAPSE OF HIGH RISE STEEL BUILDING
UNDER ACCIDENTAL LOAD.**

Abstract

In the present paper author Analyze and Design the high rise steel frame building with Conventional Method using Indian Standard IS: 800 & IS: 1893 by using ETAB software. Conceptualization of Alternate Path Method for progressive collapse by GSA and UFC criteria. Then applying the concept of Alternate Path Method to the building and comparing these results with Conventional method. For prevention of progressive collapse use lateral bracing systems with mega truss to the building to sustain the applied blast load and comparing these results with conventional method and AP method without lateral bracing. Some retrofit techniques are mentioned for restrict progressive collapse.

PROFESSIONAL EXPERIENCE:

I. Teaching Experience: Over Nine years (10)

Undergraduate –

Design of Steel Structure (LSM), Design of Steel Structure (WSM), Applied Mechanics, Design of Concrete Structure Prestressed Concrete, Basic Civil Engineering, Geotechnical Engineering, Water Resource Engineering

SESSIONS/SYMPOSIA CHAIRED OR ORGANIZED

- 2014 Organized *National Level Symposia on Truss Model Making*
at N.K. Orchid College of Engineering and Technology., Solapur, India.
- 2015 Organized *National Level Symposia on Truss Model Making*
at N.K. Orchid College of Engineering and Technology., Solapur, India.
- 2016 Organized *National Level Symposia on Truss Model Making*
at N.K. Orchid College of Engineering and Technology., Solapur, India.
- 2017 Organized *National Level Symposia on Truss Model Making*
at N.K. Orchid College of Engineering and Technology., Solapur, India.
- 2017 Chief Guest for Inauguration of TECHNOFEST-2017 in STC, Latur
- 2018 Organized *National Level Symposia on Truss Model Making*
at N.K. Orchid College of Engineering and Technology., Solapur, India.
- 2019 Conducted Two Week Workshop on STAAD-Pro

RESEARCH PUBLICATIONS:

International Conferences

2010

Keshav K. Sangle¹ Maske Ravi G.² PROGRESSIVE COLLAPSE OF HIGH RISE STEEL BUILDING UNDER ACCIDENTAL LOAD” International Conference on “Innovative World of Structural Engineering-2010 (ICIWSE-2010), Aurangabad, organized by Department of Civil Engineering, Government College of Engineering, Aurangabad, Maharashtra, India, September 17-19, 2010.

International Journals

Maske R. G., Kankuntla Ashok Y., Rajgiri D. N., Kulkarni Shrikant R., (2020) “Prefabricated Construction Technology for Multistoreyed Building,” International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-X, Issue-X, January 2020, Retrieval Number: paper_id//2019©BEIESP

Maske R, G, “Comparing the strength as Blocks made from Cement and Lateritic Soil Cement,” in proceeding of National Level Technical Symposium-2020, June 2020. With ISBN No.: 978-93-5407-601-5

Maske R, G, “Comparative study of different composting methods,” JETIR, Volume 6, Issue 6, pp. 678-687, June 2019. ISSN Print: 2349-5162 and UGC Approved Journal No. 63975

Kulkarni S,R, Maske R, G, Mashyal M, C, Thavare R, M, (2017) “Design and Development of Mobile Silk-ED,” IJCIET, Volume 8, Issue 5, pp. 1096–1107, May 2017. ISSN Print: 0976-6308 and ISSN Online: 0976-6316

Maske R, G, Rakesh V, Nora R., Umarfarukh Masud D, (2015) “Comparison between conventional (angular) steel section and tubular steel section,” *IJER*, vol. 04, no. 10, pp. 539 – 541, Oct.. 2015. ISSN 2319-6890

Maske R, G, Badgire U, S, and Shaikh A,N,(2015) “Analysis of multistory building with floating column,” *IJER*, vol. 04, no. 9, pp. 475 – 478, Sept.. 2015. ISSN 2319-6890

Pawar D, S, Phadnis A,U, **Maske R,G**, and Shinde R, S, (2015) “Analysis of Multistoried Braced Steel Frame Subjected to Gravity and Seismic Loading ,” *IJER*, vol. 05, no. 9, pp.33 – 37, Sept. 2015. ISSN 2248-9622.

Project Guided for Post Graduate Level (Master of Structural Engg.)

Project Titles: (Completed / Ongoing)

1. EXPERIMENTAL STUDY OF STRENGTH BY DIFFERENT TEST OF CONCRETE CUBE BY PARTIAL REPLACEMENT OF CEMENT BY METAKAOLIN
2. ANALYSIS AND DESIGN OF G+2 COLD FORM STEEL STRUCTURE

Project Guided for Under Graduate Level (Bachelor of Civil Engineering)

Project Titles: (Completed / Ongoing)

1. SMART CITY- SOLAPUR
2. RENOVATION OF SOLAPUR MSRTC BUS STAND
3. TRANSLUCENT CONCRETE
4. PLANNING, DESIGN AND ESTIMATION OF SOLAPUR MSRTC BUS STAND
5. COMPARATIVE STUDY OF DIFFERENT COMPOSTING METHODS
6. COMPARING THE STRENGTH AS BLOCKS MADE FROM CEMENT AND LATERITIC SOIL CEMENT

MEMBERSHIP:

- Institution of Engineers (India)
- Indian Society of Structural Engineers (India)

SOFTWARE SKILLS:

AutoCAD, STAAD-PRO, ETAB, RCDC, SAFE, SAP

WORKSHOPS ORGANIZED:

- **TWO- WEEK** online Workshop on "**Revit Structure**" from June 22, 2020 to July 08, 2020 along with Ms. P. Solomon, **IEI Chapter, Belapur, Navi Mumbai.**
- **TWO- WEEK** Online Course on "**Advanced STAAD-Pro (3D) course**" from June 24, 2020 to July 13, 2020
- **TWO- WEEK** Online Course on "**Analysis and Design of Structures using Software**" from June 01, 2020 to June 15, 2020
- **TWO-WEEK** workshop on **STAAD-PRO** from May 27, 2019 to June 12, 2019
- **TWO-WEEK ISTE STTP** workshop on **Introduction to Structural Engineering** from January 4 , 2016 to January 9, 2016 conducted by **IIT Kharagpur**

WORKSHOPS ATTENDED:

- **ONE-WEEK ISTE STTP** workshop on **Rural Development through Technical Institution** from July 29 , 2019 to August 02, 2019 conducted by **NITTAR, Kolkata (GOI)**
- **TWO-WEEK ISTE STTP** workshop on **Introduction to Structural Engineering** from January 4 , 2016 to January 9, 2016 conducted by **IIT Kharagpur**
- **TWO - WEEK ISTE** Short Term Training Programme (STTP) on **Pedagogy for Effective use of ICT in Engineering Education** from 5th – 21st January 2015 conducted by **IIT Bombay**
- **ONE- DAY** workshop on, “ Design of Steel Structures as per Revised IS:800-2007” on 31st October 2014 held at WIT, Solapur, Maharashtra
- **TWO-WEEK ISTE** workshop on **Engineering Mechanics** from 26th November – 6th December 2013 conducted by **IIT Bombay**
- **2-DAY ISTE** workshop On Research Methods in Educational Technology under the *National Mission on Education through ICT* (MHRD, Govt. of India) on 2nd & 9th February 2013 conducted by **IIT Bombay**

ONLINE WORKSHOPS ATTENDED / PARTICIPATED:

- List is attached herewith

ACHIVEMENTS:

1. GATE 2008 & GATE 2010 Qualified
2. SRTMU Nanded, University IInd Topper -2008
3. NPTEL Online Exam qualified (July- October 2017- 12 Weeks) and got 'ELITE' Certificate in Design of Steel Structure (02) and Design of Reinforced Concrete Structures.

EXPERT LECTURES CONDUCTED

1. Expert lecture conducted for Third and Second year civil Enginneing Diploma students of STC, Latur. (06)
2. Expert lecture conducted for Third and Second year civil Enginneing Diploma students of SES Polytechnic, Solapur. (03)
3. Expert lecture conducted for Third and Second year civil Enginneing Diploma students of SVEPC, Almala, Latur. (02)
4. Expert lecture conducted for Third and Second year civil Enginneing Diploma students of Akkalkot Polytechnic, Akkalkot, Solapur. (02)