

**Prof. Umesh Suresh Salunkhe**  
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## PERSONAL PROFILE

- 1) My long-term carrier goals include working towards becoming achieve the best position through hard work, and sincere, honest effort as well as flourishing on the world level as a renowned structural/civil engineering professor with maximum time in research.
- 2) Within my current job, I am known as a responsible, experienced employee, who can be counted on to help where there is need. Recognized for determination, passion, teamwork, and the ability to work independently without direction.

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## PROFESSIONAL EXPERIENCE

### 1. Marathwada Institute of Technology, Aurangabad, Maharashtra.

*Assistant Professor*

13 Oct 2017 to Till Date

- a) *Taught Acting*: Surveying, Theory of Structures, Basic Civil Engineering.
- b) *Other Activities*: Examination Controller, Consultancy, Guest Lectures, Departmental Alumni / Class/ Admission Coordinator, NAAC/ ERP Portal/ NBA preparation in Engineering & Polytechnic.

### 2. Shreeyash College of Engineering and Technology, Aurangabad, Maharashtra.

*Assistant Professor*

21<sup>th</sup> Jan 2016 to 12<sup>th</sup> Oct 2017

*Assistant Professor*

11<sup>th</sup> Jul 2011 to 11<sup>th</sup> Oct 2014

- c) *Taught Acting*: Concrete Technology, Design of Structure (RCC), Advanced Design of Structures, Theory of Structures, Practical of Building Planning.
- d) *Other Activities*: Attained Faculty Developments Program, Member of CESA committee, Examination Controller, ISO/ NAAC Preparation.

### 3. Government College of Engineering, Aurangabad, Maharashtra

*Assistant Professor (Contract Basis)*

13<sup>th</sup> Oct 2014 to 12<sup>th</sup> Sept 2015

- a) *Taught Acting*: Engineering Mechanics, Advanced Design of RC Structures (PG-PT).
- b) *Other Activities*: Attain Workshop of "NBA Preparation"

### 4. Kasheef Associates, Aurangabad, Maharashtra.

*Junior Structural Engineer*

15<sup>th</sup> Jun 2008 to 15<sup>th</sup> Jul 2009

- a) *Role*: Design of various residential & commercial buildings.

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## EDUCATION

- 1) **Government College of Engineering Aurangabad, Maharashtra** May 2009- July 2011

Master of Engineering in *Structure*, Dr. BAM University, Aurangabad

- a) *CGPA*- 8.66
- b) *Dissertation* on "Analysis and Design of Three and Four Legged 400kV Steel Transmission Line Towers"

- 2) **Maharashtra Institute of Technology Aurangabad, Maharashtra** May 2005- June 2008

Bachelor of Technology in *Civil Engineering*, Dr BAMUniversity, Aurangabad

- a) *Percentage- 71.2%; Grade- First Class with Distinction*
  - b) *In-plant Training* in ‘K. Rehaja Corp. Pvt. Ltd.’, Site Trainee Engineer on “Commorzone” 8-story commercial building in Pune, Duration- 7<sup>th</sup> Jan 2008 to 20<sup>th</sup> May 2008.
  - c) *Project* on “R.C.C. Design of G+3 Story School Building”.
- 3) Government Polytechnic Jalgaon, Maharashtra** May 2005 to May 2008  
Diploma in *Civil Engineering*, MSBTE, MH.
- a) *Percentage- 65.15%; Grade- First Class*
  - b) *In-plant Training* in ‘Sameerwadi Sugar Factory’, Site Trainee Supervisor worked on “Water Tank” Karnataka.
  - c) *Project* on “Water Supply in Small Town (Jalgaon City)”

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## MEMBERSHIP

1. Indian Society of Structural Engineering, ISSE, Aurangabad Chapter, 10<sup>th</sup> Aug 2013.
2. Indian Geotechnical Society, IGS, Life Member from the year 2019.

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## PUBLICATIONS

### *International Journal:*

1. Ghugal YM , Salunkhe US, “*Analysis and Design of Three and Four Legged 400kV Steel Transmission Line Towers: Comparative Study*”, International Journal of Earth Sciences and Engineering, Vol 4, Issue 6, Oct 2011, pp 691-694
2. Salunkhe US, Ghugal YM, “*Analysis and Design of Three Legged 400 KV Double Circuit Steel Transmission Line Towers*”, International Journal of Civil Engineering & Technology, Vol 4, Issue 3, 2013, pp 197-209
3. Dake GH, Salunkhe US, Chavan VB, “*Inelastic Static Analysis of Building Withshear Wall*”, International Journal for Research Trends and Innovation, Vol 2, Issue 7, 2017, pp 140-145
4. Chavan VB, Dake GH, Salunkhe US, “*Inelastic Static Analysis of Building with Infill Wall*”, International Journal of Scientific Development and Research (IJS DR), Vol 2, Issue 7, July 2017, pp 240-245
5. Pathak KK, Nimbhore VH, Salunkhe US, Kalwane UB, “*Literature Review on Seismic Analysis of Building Resting on Sloping Ground*”, International Journal of Structural Engineering and Analysis, Vol 4, Issue 2, 2018, pp 7-15
6. Pathak KK, Salunkhe US “*Comparison between with and without Horizontal Bracing on Sloping and Plain Ground: Seismic Zone III*”, International Journal of Structural Engineering and Analysis, Vol 6, Issue 1, 2020, pp 01-14
7. Salunkhe US, Pathak KK, Mahajan AS, Shaikh AS, “*Strength & Durability of Concrete with Sand Blasting Residue*”, Concrete International Journal of Concrete Technology, Vol 6, Issue 1, 2020, pp 32-41
8. Salunkhe Umesh, Pathak Kavita, Pabale Abhijit, Tasewal Ishwarsing, “*Mechanical Properties of Sand Blasting Residue*”, Concrete International Journal of Concrete Technology, Vol 6, Issue 2, 2020, pp 46-52

### *National Journal*

1. Dahake A, Kapdis P, Kalwane U, Salunkhe U, “*Flexural Analysis of Deep Aluminum Beam*”, Journal of Soft Computing in Civil Engineering, Vol 2, Issue 1, 2018, pp 71-84 [DOI: 10.22115/SCCE.2018.49679]
2. Nainav RP, Salunkhe US, “*Behaviour of Three Legged 400 kV Double Circuit Steel Transmission Line Tower by Using Different Diaphragm:Comparative Study*”, Journal of Structural Engineering and Management, Vol 6, Issue 3, 2019, pp 20-31

3. Pathak KK, Salunkhe US, Nimbhore VH, “*Building Behaviour on Sloping Ground with & Without Diaphragm: Earthquake Zone-IV*”, Journal of Structural Engineering and Management, Vol 7, Issue 2, 2020, pp 47-55
4. Salunkhe Umesh, Pathak Kavita, Palampalle Somnath, “*Design of Modified North Light Roof Trusses: Comparative Study*”, Journal of Structural Engineering and Management, Vol 7, Issue 2, 2020, pp 27-35

#### **International Conference**

1. Paper Presented by International Conference on Sustainable Innovation Techniques in Civil & Environmental Engineering (SITCEE- 2013), Jawaharlal Nehru University (J.N.U.), New Dehli, India  
Paper published: Salunkhe US, Payghan VR, Terekar MJ, Shastri RR, “*Comparative Study between Flexible & Rigid Pavement*”, International Journal of Civil Engineering and Applications [IJCEA], Vol 3, Number 5, 2013 pp 64-68

#### **National Conference**

1. Paper Presented by National Conference on Engineering Trends in Engineering & Technology (Sanjivani Vision-2011), Kopargaon, “*Earthquake Resistant Steel Frames Using Disposable Knee Bracing*”, 12<sup>th</sup> & 13<sup>th</sup> March 2011
2. Paper Presented by 1<sup>st</sup> National Conference on Recent Trends in Engineering & Technology (NCRTE-2016), Shreeyash College of Engg & Tech, Aurangabad, MH, India “*Refined Shear Deformation Theory an Application to Thick Beams*”, 9<sup>th</sup> May 2016

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#### **SOFTWARE SKILLS**

AutoCAD	E-TAB	Microsoft Project
STAAD.Pro	SAP	Primavera
Floor Plan / 3D Home	ANSIS	ERP

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#### **PROJECT WORKS:**

##### **Post Graduate:**

- 1) Co-guide of Mr Kapdis Pravin S, “*Shear deformation theory for thick beams*”, 2015-16.
- 2) Co-guide of Mr Gaikwad Anil B “*Refine shear deformation theory for thick beams*”, 2015-16.
- 3) Co-guide of Mr Dake Govind H “*Inelastic static analysis of building with and without infill wall*”, 2016-17.
- 4) Guide of Ms Nanaiv Ruchita R, “*Behaviour of three legged 400 Kv double circuit steel transmission line tower by using different diaphragm*”, 2018-19.
- 5) Guide of Mr Shubham Sonawane, “*Properties of High-Density Concrete Incorporating Manganese Ore Fine Aggregates*”, 2021-22.
- 6) Guide of Mr Akshay Totare, “*Comparative Study of Three and Four Legged 400kV Transmission Line Towers for 15<sup>o</sup> Angle of Line Deviation. 2022-23 (Continue)*
- 7) Guide of Mr Subham Parade, “*Properties of High-Density Concrete Incorporating Manganese Ore Fine Aggregates*”, 2022-23 (Continue)

##### **Under Graduate:**

- 1) Terekar Manoj & team, “*Comparative study between flexible & rigid pavement*”, 8 students group, 2011-12
- 2) Jadhav Swati & team, “*Study of concrete b using sand blasting residue (SBR)*, 6 students group, 2012-13
- 3) Kharate Nitin & team, “*A comparative study of earthquake resistant buildings by using various dimensions*”, 6 students group, 2013-14
- 4) Darwesh Saddam & team, “*A study of strength & durability of concrete by using sand blasting residue (SBR)*”, 7 students group, 2013-14

- 5) Kucche Akshay & team, "*A comparative study of traditional & flat slab structure*", 7 students group, 2015-16
- 6) Palampalle Somnath & team, "*Analysis and design of north light truss*", 5 students group, 2015-16
- 7) Rathod Akshay & team, "*Comparison between rigid & flexible pavement*", 6 students group, 2016-17
- 8) Khandare Siddhodhan & team, "*Seismic behavior of buildings resting on sloping ground using diaphragm*", 4 students group, 2016-17
- 9) Butole Abhishek & Barve Swapnil, "*Slider foot-bridge on railway station*", 2016-17
- 10) Rankhamb Shubham & team, "*Strength characteristic study of ferrocement technology*", 5 students group, 2018-19

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#### **FDP/ WORKSHOPS/STTP/COURSES:**

##### ***Workshops/ STTP/ Courses Attended or Organized:***

- 1) 12 Week (NPTEL Course) - "*Design of reinforced concrete structures*", Elite (Percentage- 66%), Jul-Oct 2019
- 2) 07 days- "*Advances in geotechnical engineering & reliability of structures*", Marathwada Institute of Technology, Aurangabad with IGS Aurangabad Chapter, 23-27 Aug 2021
- 3) 07 days- "*Advances in geotechnical earthquake engineering*", Marathwada Institute of Technology, Aurangabad with IGS Aurangabad Chapter, 25-29 Oct 2021
- 4) 07 days- "*Performance of engineering structures under extreme loadings*", Vignana Bharathi Institute of Technology (Autonomous), 8-13 Jun 2020
- 5) 3 days- "*Limit state method of steel structures (LSDSS-2013)*", Marathwada Institute of Technology, Aurangabad with ISSE Aurangabad Centre, 12-15 Jul 2013
- 6) 02 Day- "*9<sup>th</sup> Indian Young Geotechnical Engineering Conference*", Marathwada Institute of Engineering with IGS Aurangabad Chapter, 21-22 Mar 2023
- 7) 02 day- "*Theories of beams & plates*", G H Raisonni College of Engineering and Management Pune, 2-3 May 2020
- 8) 2 days- "*Earthquake resistant design of structures*", Government College of Engg Aurangabad, 13-14 May 2020
- 9) 2 days- "*Research paper writing & intellectual property rights*", ETC Dept, K E Society, RIT Rajarambapu Institute of Technology (Autonomous) Sangali, Dist Sangali, 18-19 May 2020
- 10) 02 days – International Web Conference on "*Impact of Covid-19 on library resource sharing*", Marathwada Institute of Technology Aurangabad, 12-13 Jun 2020
- 11) 2 days- "*Indian patent drafting & filing procedure*", Computer Engg Department, Dr D Y Patil School of Engg & Tech Lohegaon- Pune, 8-9 Nov 2017
- 12) 2 days- "*Faculty Development Program*", Shreeyash college of Engg & Tech Aurangabad, 30<sup>th</sup> Jun & 1<sup>st</sup> Jul 2017
- 13) 2 days- "*Faculty Development Program*", Shreeyash college of Engg & Tech, Aurangabad, 3-4 Dec 2012
- 14) 2 days- Workshop on "*NBA Preparation*", Engineering Staff College of India, 20-21 Dec 2014
- 15) 2 days - Conference organized on "*9<sup>th</sup> Indian Young Geotechnical Engg Conference*", 21<sup>st</sup> & 22<sup>nd</sup> March 2023
- 16) 01 Day- "*NDT techniques*", Marathwada Institute of Technology, Aurangabad with IGS Aurangabad Chapter, 05<sup>th</sup> Jun 2021
- 17) 01 day- "*Importance of geotechnical investigations for civil engg constructions*" Marathwada Institute of Technology, Aurangabad with IGS Aurangabad Chapter, 12<sup>th</sup> Jun 2021

- 18) 01 Day- “*Non-destructive testing*”, Marathwada Institute of Technology, Aurangabad with IGS Aurangabad Chapter, 18<sup>th</sup> Jun 2021
- 19) 01 Day- “*Case studies in geotechnical engineering*”, Marathwada Institute of Technology Aurangabad with IGS Aurangabad Chapter, 07<sup>th</sup> Aug 2021
- 20) 01 Day- “*Noise Problems in the Context of Industries & Buildings*”, IAE, MIT College of Engineering & Technology, Institutions of Valuers (Delhi) , 09<sup>th</sup> May 2023
- 21) 1 days- “*Third year civil engg syllabus revision workshop (Dr BAMU)*”, Shreeyash College of Engg & Tech Aurangabad
- 22) 1 days- “*Second year civil engg syllabus revision workshop (Dr BAMU)*”, Shreeyash College of Engg & Tech Aurangabad
- 23) 01 Day- “*Performance-based seismic design of structures*”, IIT Roorkee, 16<sup>th</sup> May 2020
- 24) 01 Day- “*Climate crisis & its effect on biodiversity*”, Renowned Environment Activist Kolhapur, 5<sup>th</sup> Jun 2020
- 25) 01 Day- “*Biodiversity - the effective environmental management system*”, Ballari Institute of Technology & Management in Association with- IQAC Cell, Ballari Karnataka, 6<sup>th</sup> Jun 2020
- 26) 01 Day- “*Structural engineering*”, Centre of Construction & Architectural Excellence (CCAIE), 9<sup>th</sup> Sept 2020

**Expert / Guest Lecture:**

- 1) Expert Lecture- “*Strength of Materials*”, Padm Dr V B Kolte College of Engg & Polytechnic, Malkapur, Dist Buldhana, 14-18<sup>th</sup> Sept 2014
- 2) Guest Lecture- “*Basic of Design of Concrete Structures & Column Design*”, Shreeyash Polytechnic Aurangabad, 17<sup>th</sup> Sept 2015
- 3) Expert Lecture- “*Theory of Structure – II*”, Padm Dr V B Kolte College of Engg & Polytechnic, Malkapur, Dist Buldhana, 17-20 Oct 2015
- 4) Guest Lecture- “*Basic of Concrete Technology*”, Shreeyash Polytechnic Aurangabad, 01<sup>st</sup> Jan 2016
- 5) Guest Lecture- “*Concrete Technology & Concrete Mix Design*”, Shreeyash Polytechnic Aurangabad, 29<sup>th</sup> Feb 2016
- 6) Guest Lecture- “*Practicals on Total Station*”, MIT Polytechnic Aurangabad, 20<sup>th</sup> Mar 2021
- 7) Guest Lecture- “*Practicals on Total Station*”, MIT Polytechnic Aurangabad, 18<sup>th</sup> Feb 2022
- 8) Guest Lecture- “*Practicals on Total Station*”, MIT Polytechnic Aurangabad, 12<sup>th</sup> Jan 2023

**Others:**

- 1) National Level Technical Symposium, Technomillennium 2007 (Paper Presentation)- “*I. T. rural & agriculture development (Agri Engg)*”, MIT College, 15-17 Sept 2007
- 2) 01 week- “*Open House*”, National Centre of Earthquake Engineering, IIT Kanpur, 13-17 Dec 2010
- 3) Attended 3 days International Conference on “*Innovation world of structural engg (ICIWSE-2010)*”, Government College of Engg Aurangabad, 25-27 Dec 2010

DATE:

PLACE:

(Umesh S Salunkhe)