

# Ravindra D Nalawade

M Tech (Geotechnical Engg) \*PhD (Pursuing)

Asst. Professor

Department of Civil Engineering  
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## Experience

### Total Teaching experience of 21 yrs

- 13yrs as Asst. Professor at AISSMS COE
- 8 yrs as Lecturer at AISSMS COE
- Working as Asst. Professor at AISSMS COE since year 2007.
- Worked as Lecturer at AISSMS College of Engineering, Pune for 8 years
- Worked as Lecturer at B.V College of Engineering, Pune for 6 Months

## Areas of interest & Research topics

### Areas of interest

- Soil Stabilization Techniques
- Land slides and Slope Stability Analysis
- Application of Geosynthics material in civil Engineering
- Geogrid Reinforced Earth Retaining Wall of Flyover
- Sustainability in Civil Engineering Projects
- Geotechnical Investigation and Interpretation
- Foundation design and remedial techniques

### Current Research:

Assessment of Industrial by-Products in Geotechnical Engineering.

## Academic Qualification:

Course/Degree	Institute/Board/University	Year passing	Class
S.S.C	Maharashtra sec. Edu. Board, Pune	1991	Distinction
D.C.E	Govt. Polytechnic Karad	1995	Ist (Topper)
B.E (Civil)	Govt. College of Engg. Karad (Shivaji University)	1998	Distinction
M.Tech Geotech Engg.	Govt. College of Engg. Pune.(COEP) (University of Pune)	2007	Ist
*PhD (Perusing)	KKWIEER, Nashik (University of Pune)		

**Subjects taught (UG Course)**

1. Geotechnical Engineering
2. Foundation Engineering
3. Quantity surveying Contracts and Tender
4. Concrete Technology
5. Engineering Mechanics
6. Basic Civil Engineering

• **Students' Projects guided: 54**

**Membership of Professional Bodies**

- Life member, Indian Society for Technical Education – LM 29695
- Life member, Indian Geotechnical Society (New Delhi) – LM 2497
- Life member, Indian Geotechnical Society Pune Chapter

**Contributions /Achievements (Professional, Academic & Administrative)**

**Achievement:**

1. Topper in Government Polytechnic, Karad & all over Maharashtra 18<sup>th</sup> Rank in Diploma.
2. 'Treasurer'- Indian Geotechnical Society, New Delhi. (Pune Chapter).
3. 'Treasurer'- 50<sup>th</sup> Indian Geotechnical Conference (IGC 2015), at COEP.
4. Member – LIC and Staff Selection Committee Engineering (SPPU Pune).

**Administrative Work: (College Level)**

1. Coordinator – NBA Process of Civil Department (Since 2019).
2. Chairman –Vigilance committee of Shivanjali & Ashwamedh (2018).
3. Member – Faculty Development Program (FDP) Committee (2017, 2018).
4. Member –Institute Image Building Committee (Since 2017).
5. Chairman –Vigilance committee of Shivanjali & Ashwamedh (2017).
6. Member – Sport and Cultural Committee.(Since last 9 years)
7. Member – Student welfare Committee.(Since last 9 years)
8. Setting up of Geotechnical Engineering and Surveying Laboratory.
9. Chairman – stock verification of IOIT Instrument Engg. Deptt. (2016).
10. Overall Coordinator – AISSMSCOE “ Engineering Today”, National Level Technical Event (2011 & 2012)
- 11.Chairman – Printing and Publicity of Shivanjali & ET (2011).
- 12.Chairman –stock verification of AISSMS COE Workshop Deptt. (2011)

13. Senior Supervisor- Pune University Theory Exam–Nov/Dec (2011).
14. Coordinator – (ARC) AISSMSCOE Centre, Organized by DTE Mumbai (2010).
15. Chief Test Administrator (CTA) – MBA and MCA Entrance test Organized by DTE Mumbai (2008).
16. Chairman – Prize Distribution function of Shivanjali & ET (2009).
17. Coordinator – (CITP) Training and placement. Deptt. (5 Years)
18. Chairman – stock verification of IOIT Library (2009).
19. Chairman – Deadstock verification of Electrical Department (2008).
20. Coordinator - working with Hon. Principal on Indian Concrete Institute News Letter (Pune Centre) published by ICI Pune Chapter.(2004 to 2008).
21. Member of College level Committee for “Earn & Learn Scheme” run by University of Pune.(4 Years)
22. Member of Academic Calendar committee (2 Years)
23. Member Industry Institute Interaction Cell. (2 Years)
24. Member FE Admission Committee. (5 Years)
25. Chairman of Funfair Committee for Shivanjali. (2 Years)
26. Member of Refreshment Committee for Shivanjali. (4 Years)

**Administrative Work: (Department Level)**

27. Naac coordinator – Criteria 3 (Since 2017).
28. Class Guardian & Batch Counsellor for (Since 2015).
29. Coordinator Poster Presentation Civil Post Graduate Conference (2016).
30. Founder Faculty Advisor for Civil Engg Students Association (2002).
31. NBA - Coordinator (Para III & VI) (2010).
32. In charge of Geotechnical Engg. Laboratory. (Since last 15 Years)
33. Coordinator of Students Activities & Alumina Association of department (14 Years).
34. Coordinator AISSMS ET poster Presentation Competition (2015).
35. Coordinator AISSMS ET Paper Presentation Competition (2009).
36. Time Table Coordinator of Department (5 Years).
37. Subject Coordinator for Engg. Mechanics & Basic Civil Engg, Subject at FE level (6 Years).
38. Coordinator of End Term Exam (3 Years).
39. Coordinator farewell function (2008).
40. Class Guardian BE (2008).
41. Member of Centre for Construction Materials (Inter-Disciplinary Centre) (5 Years).

42. Class Guardian & Batch Counsellor for F.E. (5 Years).
43. Member of purchase activity of equipments of Surveying, Testing of Material Laboratory.
44. Member of preparation NBA documentation work & Academic Calendar.

## Paper Contributions

### INTERNATIONAL JOURNAL PUBLICATION

1. A Paper on “Prediction of CBR Value of Stabilized of Black Cotton Soil use for Road Construction” has been published in International Journal of Engineering and Advanced Technology (IJEAT), DOI:10.35940/ijeat.C5667.029320 Vol. 9, Issue 3. ISSN No. 2249-8958, PP 2317-2322. February 2020. [SCOPUS]
2. A Paper on “Effects of Hydrated Lime in Stabilization of Black Cotton Soil” has been published in International Journal of Engineering and Advanced Technology (IJEAT), Vol. 8, Issue 5. ISSN No. 2249-8958, June 2019. [SCOPUS]
3. A Paper on “Reaction Mechanism of Chemical Stabilization in Expansive Soil” has been published in Electronic Journal of Geotechnical Engineering (EJGE), Vol. 21, and Bund 21. PP 7227-7234, June 2016. [SCOPUS]
4. A Paper on “Stabilization of Black Cotton Soil using admixtures” has been published in International Journal of Engineering and Innovative Technology (IJEIT), Vol. 1, Issue 5, PP-1, 3. ISSN No. 2277-3754, May 2012.

### INTERNATIONAL LEVEL PAPER PRESENTATION / PUBLICATION

5. Paper presented on “Assessment of Industrial by-product in Geotechnical Application.” 50<sup>th</sup> Indian Geotechnical Conference (IGC-2015) during 17 to 19 December 2015 at COEP, Pune, India. The conference has been organized by IGS (New Delhi) in association with IGS Pune chapter and CWPRS Pune.
6. Paper presented on “Stability and Cost Aspect of Geogrid Reinforced Earth Wall of Flyover.” 12<sup>th</sup> International Conference of International Association for computer method and Advance in Geomechanics (ICACMAG) during 1 to 6 October 2008 at Goa, India. The conference has been organized by IIT (Powai) Mumbai.
7. A Paper on “Stability of Geogrid RE Wall” has been selected for 4<sup>th</sup> European Geosynthetics Conference 2008 to held at Scotland U.K. on 7th to 10th Sept. 2008. Organized by the U.K. chapter of the International Geosynthetics Society.

### NATIONAL LEVEL PAPER PRESENTATION / PUBLICATION

8. Paper presented on “Design and Stability Aspects of Geogrid Reinforced Earth Retaining Wall.” National Level Conference on Recent Trends in Civil Engineering, held at RIT Islampur, during 09-10th March 2007.

9. "Stability And Economical Aspects Of Geogrid Reinforced Earth Retaining Wall." National Conference On Recent Developments in Geotechnical Engineering And Rock Mechanics, held at D.Y. Patil COE Pune during 25-26th August 2007
10. "Stabilization of Black Cotton Soil using fly ash." Annual Technical Paper Meet 2012, at Institution of Engineers' (I), Pune Chapter, Pune.
11. "Reinforced flyash slop using different Geosynthetics." Regional Research conference, INNOVATION-2016, BCUD SPPU, Pune.

### Conference/Seminar/workshop attended & conducted

#### **Conference/ Seminar/Workshop conducted:**

1. Organizing committee member of ISTE Sponsored CETL'S One week Faculty Development Programme (FDP) on "Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assesment and Attainment" organized by AISSMS COE Pune. During 10 and 15 June 2019.
2. Organizing committee member of ISTE-IE(I) Sponsored One week Orientation Programme on "Modern Pedagogy and Recent Technological Development" organized by AISSMS COE Pune. During 10 and 14 Dec. 2018.
3. Organizing committee member of IGS Annual Orations on "Development, Design and Performance of Flyash Stabilized Bases" organized by IGS Pune and COEP. During 27 Oct. 2018.
4. Organizing committee member of Faculty Development Programme (FDP) on "Water Management and Energy Conservation" organized by AISSMS COE. During 14 July 2018.
5. Organizing committee member of "Advanced Trends in Transportation and Environmental Engineering" workshop organized by AISSMS Civil COE Pune in association with SPPU. During 26 March 2018.
6. Organizing committee member of "Tunnelling in difficult ground conditions status, pitfalls and way forward" 3<sup>rd</sup> IGS Pune Annual oration organized by Indian Geotechnical Society, Pune chapter. During 24 March. 2018.
7. Organizing committee member of "PEDAGOGY PRACTICES" Faculty Development Program (FDP) organized by AISSMS Civil COE Pune. During 16 and 17 March 2018.
8. Organizing committee member of "Design and Testing of Rock Socketed piles; A case study from Mumbai" Dr. A P J Abdul Kalam 1<sup>st</sup> Annual Oration IGS Pune organized by Indian Geotechnical Society, Pune chapter. During 02 Oct. 2017.
9. Resource person and organizing committee member of faculty development programme, State level workshop on "Geotechnical Practical Practice" organized by PCCOE and IGS (Pune Chapter). During 09 June 2017.

10. Indo-German International conference on 'water management in India' - Supporting faculty organized by AISSMS COE Pune and VESBE, Germany. During 29 May 2017.
11. Resource person and organizing committee member of one day workshop on "Utilization of mineral admixture for improvement of expansive soil" organized by Dr. DACOE, Karad and IGS (Pune Chapter). During 08 March 2017.
12. 'Presiding Officer' for Pune Municipal Corporation election. During 21 Feb. 2017.
13. Organizing committee member of "Civil Post Graduate Conference 2016" organized by AISSMS COE Pune in association with Board of Studies Civil Engineering of SPPU. During 09 June to 10 June 2016.
14. 'Treasurer' and EC Member of National Workshop on "Dam Rehabilitation – Trends and Practices" organized by CWPRS and IGS (Pune Chapter). During 13-14 Oct 2016.
15. Organizing committee member of Seminar on "Geotechnical Investigation and Ground Improvement" organized by SCOE and IGS (Pune Chapter). During 07 Sep 2016.
16. 'Treasurer'-Indian Geotechnical Conference on "Geotechnics for Infrastructure and Foundation Techniques." conducted by COEP, Pune. During 17 Dec. to 19 Dec. 2015.
17. 'Treasurer'- International workshop on "Advances in Soil-Structure Interaction and Deep Foundations." organized by International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). During 16 Dec. 2015.
18. (Coordinator- GT&TRA) for Workshop on B E (CIVIL) 2012 Course Syllabi Drafting organized by SPPU and AISSMS COE Pune. During 10 June 2015.
19. Course Coordinator for National Workshop on 'Recent Advances in Rock Mechanics.' organized by COEP and IGS (Pune Chapter). 11 Apr. to 13 Apr. 2015.
20. National Conference on "Frontier Technologies in Waste Management"- Supporting faculty organized by AISSMS COE in association with VESBE Germany and sponsored by AICTE, New Delhi. During 15 Jan. to 17 Jan. 2014.
21. Organizing committee member UOP Sponsored, two day State level Seminar on "Advanced Wastewater Treatment Technologies" conducted by AISSMS COE. During 25 Mar. to 26 Mar 2013.
22. Organizing committee member of one day's Workshop on Implementation of Revised Syllabus of for T.E. (2009 course) organized by Pune University & AISSMS COE Pune on 27th Oct 2009.
23. Organizing committee member of one day's Workshop on Implementation of Revised Syllabus of for S.E. (2009 course) organized by Pune University & AISSMS COE Pune on 24th Dec 2008.
24. Organizing committee member of National Symposium on "Durability of Concrete" held at AISSMSCOE, Pune on 1st March 2006.
25. Organizing committee member of "Poster Competition" on "Sustainable Development of Cement and Construction Industries" held at AISSMSCOE, Pune on 28th Feb. 2006.

26. Organizing committee member of two days Workshop on “Engineering Mechanics-Effective Teaching Methodology” organized by AISSMS COE Civil Engg. Deptt. Pune during 09 Jan. to 10 Jan. 2004.

**Conference/ Seminar/Worksop Attended:**

1. NPTEL-AICTE (1.5 week) Faculty development Programme on “NBA Accreditation and Teaching – Learning in Engineering (NATE)” organized by Indian Institute of Technology (IIT) Madras .During Jan to Apr.2020 (12 Weeks).
2. NPTEL-AICTE (1.5 week) Faculty development Programme on “Unsaturated Soil Mechanics” organized by Indian Institute of Technology (IIT) Madras .During July to Oct.2018 (12 Weeks).
3. NPTEL Online Certification Course on “Geotechnical Engineering Laboratory” organized by Indian Institute of Technology (IIT) Bombay .During July to Aug.2017 (04 Weeks).
4. Participated in ISTE Sponsored CETL’S One week Faculty Development Programme (FDP) on “Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assesment and Attainment” organized by AISSMS COE Pune. During 10 and 15 June 2019.
5. Participated in 1 Day Workshop on ‘Applications of Geosynthetics in Civil Engineering’ organized by BVUCOE Pune on 23 Feb.2019.
6. Participated in ISTE-IE(I) Sponsored One week Orientation Programme on “Modern Pedagogy and Recent Technological Development” organized by AISSMS COE Pune. During 10 and 14 Dec. 2018.
7. Participated in Faculty Development Programme (FDP) on “Water Management and Energy Conservation” organized by AISSMS COE Pune. On July 2018.
8. Participated in Faculty Development Programme (FDP) on “Pedagogy Practices” organized by AISSMS COE Pune. During 16 and 17 Jan 2018.
9. Participated in “PEDAGOGY PRACTICES” Faculty Development Program (FDP) organized by AISSMS Civil COE Pune. During 16 and 17 March 2018.
10. Participated in 1 Day Workshop on “Advanced Trends in Transportation and Environmental Engineering” organized by AISSMS COE CIVIL Pune. During 26 March 2018.
11. Participated in 1 Day Workshop on ‘Virtual Labs’ An Initiative of MHRD organized by P V G COE, Pune hosted by AISSMS COE. During 04 Aug. 2017.
12. Participated in FDP, State level workshop on “Geotechnical Practical Practice” organized by PCCOE and IGS (Pune Chapter).During 09 June 2017.
13. Participated in Indo-German International conference on ‘water management in India’ - Supporting faculty organized by AISSMS COE Pune and VESBE, Germany. During 29 May 2017.
14. Participated in 1 Day Workshop on ‘Framing of Syllabii of B.Tech hosted by BVUCOE Pune. During 02 Jan. 2017.

15. Participated in National Workshop on “Dam Rehabilitation – Trends and Practices” organized by CWPRS and IGS (Pune Chapter). During 13-14 Oct 2016.
16. Participated in Seminar on “Geotechnical Investigation and Ground Improvement” organized by SCOE and IGS (Pune Chapter). During 07 Sep 2016.
17. Participated UOP Sponsored, two day State level Seminar on “Zero Defect-Quality Improvement in Industries.” conducted by Production Engg. AISSMS COE in association with Triz Asia. During 03 March to 04 March 2016.
18. Participated, International workshop on “Advances in Soil-Structure Interaction and Deep Foundations.” organized by International Society for Soil Mechanics and Geotechnical Engineering (ISSMGE). During 16 Dec. 2015.
19. Participated in Indian Geotechnical Conference on “Geotechnics for Infrastructure and Foundation Techniques.” conducted by COEP, Pune. During 17 Dec. to 19 Dec. 2015.
20. Participated, One day workshop on “B E CIVIL (2012 Course) Syllabi drafting” conducted by AISSMS COE. On 10 June. 2015.
21. Participated AICTE Sponsored, one week QIP Short Term course on “Advances in Geotechnical Engineering” conducted by IIT (Powai) Mumbai. During 11 May. to 15 May. 2015.
22. Participated, three day National workshop on “Recent Advances in Rock Mechanics” organized by IGS (Pune Chapter) and COEP. During 11 Apr. to 13 Apr. 2015.
23. Participated in Indian Geotechnical Conference on “Geotechnics for Inclusive Development of India” conducted by JNTU, Kakinada (Andhra Pradesh). During 18 Dec. to 20 Dec. 2014.
24. Participated TEQIP-II Sponsored, two day workshop on “Current Practices in Construction Contracts and Pile Foundation” conducted by COEP. During 07 Feb. to 08 Feb. 2014.
25. Participated in National Conference on “Frontier Technologies in Waste Management” organized by AISSMS COE in association with VESBE Germany and sponsored by AICTE, New Delhi. During 15 Jan. to 17 Jan. 2014.
26. Participated UOP Sponsored, two day State level Seminar on “Soft Computing and Its Applications in Engineering” conducted by AISSMS COE. During 05 Feb. to 06 Feb. 2014.
27. Participated UOP Sponsored, two day State level Seminar on “Advanced Wastewater Treatment Technologies” conducted by AISSMS COE. During 25 Mar. to 26 Mar 2013.
28. Participated in two day “Faculty Development Program” conducted by AISSMS COE. During 10 June. to 12 June. 2013.
29. Participated AICTE Sponsored, one week Short Term Training Programme on “Geotechnical Investigations, Interpretations & Improvements” organized by SVNIT SURAT (GUJARAT) during 10th Aug. to 14th Aug. 2009..
30. Participated in one day’s Workshop on “Syllabus Setting for B.E. Civil for University of Pune”, organized at Maharashtra Institute of Technology, Pune. 31st March 2011.



31. Participated in one day's Workshop on Implementation of Revised Syllabus of for T.E. (2009 course) organized by Pune University & AISSMS COE Pune on 27th Oct 2009.
32. Participated in one day's Workshop on "Advances in mathematical modeling & simulation in Engineering" organized by Chemical Engg, Deptt. AISSMS COE Pune, 2008-09.
33. Participated in one day's Workshop on Implementation of Revised Syllabus of for S.E. (2009 course) organized by Pune University & AISSMS COE Pune on 24th Dec 2008.
34. Participated in one day's Workshop on "Implementation of Revised Syllabus of subjects Basic Civil & Environmental Engineering and Engineering Mechanics" for F.E. (2009 course) organized by Pune University & RSCOE Pune on 09th April 2008.
35. Participated in two days course on "Recent Developments in Geotechnical Engg." Under TEQIP NETWORKING ACTIVITY at College of Engineering Pune during 26th to 27th Dec. 2007
36. Participated in National Symposium on "Durability of Concrete" held at AISSMSCOE, Pune on 1st March 2006.
37. Participated in two days Workshop on Detailing of Syllabus at B.E. (Civil) (2003 course) organized by Pune University & K.K. Wagh COE Nashik, during 07th Jan. to 08th Jan. 2006.
38. Participated in "Poster Competition" on "Sustainable Development of Cement and Construction Industries" held at AISSMSCOE, Pune on 28th Feb. 2006
39. Participated in Three days Workshop on "Linux" organized by AISSMS COE Comp. Engg. Deptt. Pune during 11th July. to 13th July. 2006.
40. Participated in two days Workshop on "Engineering Mechanics-Effective Teaching Methodology" organized by AISSMS COE Civil Engg. Deptt. Pune during 09th Jan. to 10th Jan. 2004.
41. Participated in One week Short Term Training Programme on 'Special Methods of Teaching Engineering Mechanics' organized by AISSMS COE Pune. During 12 to 16 July 2004.
42. Participated in AICTE-ISTE sponsored, two weeks Summer School on "Total Quality Management in Engineering Education" organized by AISSMS COE Pune during 15th May to 27th May 2000.
43. Participated in ISTE Chapter, jointly with Engineering Education Foundation Pune sponsored, one week Faculty training programme on "Making Teaching-Learning Process Effective." organized by AISSMS COE Pune during 20th Dec. to 25th Dec. 1999.
44. Resource faculty to other college affiliated to Pune, Shivaji University, COEP and B V COE, Pune for Geotechnical Engineering, Foundation Engineering and QSCT.