

CURRICULUM VITAE

Jagdish Rameshrao Dhanuskar

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Personal Details:

Name : Jagdish Rameshrao Dhanuskar
Area of Specialization : Structural Engineering
Experience : 11 Years
Date of Birth : 16th September 1983
Permanent Address : Kunghatkar Layout, Near Dehankar Layout, Wardha, Maharashtra, India – 442001

Details of the Academic Qualification

Ph.D. Structural Engineering
Year: June 2021
Dissertation Title: Behaviour of Single Angle Tension Member Under Various End Connections
Supervisor: Dr. L. M. Gupta
Institute and University: Visvesvaraya National Institute of Technology, Nagpur

Masters Master of Technology in Structural Engineering
Year: 2008-2010
Division / Class: Ist Class with Cumulative Grade Point Average (CGPA) 8.23
Institute and University: Visvesvaraya National Institute of Technology, Nagpur

Degree Bachelor of Engineering in Civil Engineering
Year: 2005-2008
Division / Class: Ist Class with 73.23 %
Institute: Bapurao Deshmukh College of Engineering Seagram, Wardha
Board / University: Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU)

Diploma Diploma in Civil and Rural Engineering
Year: 2002-2005
Division / Class: Ist Class with 75.00 %
Institute: Acharya Shrimannarayan Polytechnic, (Pipri), Wardha
Board / University: Maharashtra State Board of Technical Education (MSBTE)

10th Year: 1999
Division / Class: IInd Class with 59.33 %
Institute: New English High School, Wardha
Board / University: Maharashtra State Board of Secondary and Higher Secondary Education, Pune

Membership of the Professional Bodies

- Member, Indian Society for Technical Education (ISTE) LM-96477
- Engineering Council of India (ECI)

Experience: Teaching

- 19 August 2021 – Present, Assistant Professor, Bajaj Institute of Technology, Wardha.
- 21 January 2021 – 17 June 2021. Assistant Professor, G.H. Raisonni Institute of Engineering and Technology, Nagpur.
- 23 July 2015 – 31 December 2015. Adjunct Assistant Professor, Visvesvaraya National Institute of Technology, Nagpur (India)
- 26 August 2013 – 12 June 2015. Assistant Professor, Datta Meghe College of Engineering, Airoli, Navi Mumbai.
- 15 February 2013 – 25 August 2013. Assistant Professor, Datta Meghe College of Engineering, Airoli, Navi Mumbai.
- 05 June 2012 – 13 February 2013. Assistant Professor, Alamuri Ratnamala Institute of Engineering and Technology, Shahapur, Thane.
- 01 June 2011 – 20 May 2012. Lecturer, G.H. Raisonni Academy of Engineering and Technology, Nagpur.
- 14 July 2010 – 06 April 2011. Lecturer, Priyadarshini College of Engineering, Nagpur.

Experience: Industry

- 1 April 2016 – 15 January 2021. Sr. Engineer (Design), B. M. Ghawade and Associates, Consulting Engineers and Structural Designers, Nagpur (India).

Teaching – Learning Activities**Courses Taught**

No.	Subject	UG/PG	Year / Years
1	Design of Steel Structures	UG	2021-22 (01)
2	Design of Steel Structures	UG	2020-21, 2021-22 (02)
3	Engineering Mechanics	UG	2010-12 (02)
4	Strength of Materials	UG	2011-15 (05)
5	Structural Analysis-I	UG	2011-13, 2014-15 (03)
6	Structural Analysis-II	UG	2012-13 (01)
7	Design and Drawing of R.C.C. Structures	UG	2012-14 (02)

Supervision of students for B.E. Dissertation:

No.	Title	Year
1	Rock fill Dam Alternative For Roller Concrete Dam	2014
2	To study the Base Isolation Technique - Sliding Pendulum Technique	2014
3	Study the effect of fly ash in Paver Block	2015
4	Study of Porous Concrete	2015

5	Design and Analysis of Oxygen Plant Shed	2021
6	Design and Analysis of Steel Truss Shed	2021

Activities, Portfolio, and Other Responsibilities handled in the Institutes:

At College level

- **Senior Supervisor** in the Examination Cell, Alamuri Ratnamala Institute of Engineering and Technology during November/December 2012.
- **University CAP Monitor**, Datta Meghe College of Engineering, Airoli, Navi Mumbai for November/December 2013 Examination.
- **University CAP Monitor**, Datta Meghe College of Engineering, Airoli, Navi Mumbai for May/June 2014 Examination.

At Departmental Level

- **Head**, Department of Civil Engineering, G.H. Raison Academy of Engineering and Technology, Nagpur from August 2011 to May 2012.
- **Faculty incharge** of University Oral Examination from December 2013 to December 2015 at Datta Meghe College of Engineering, Airoli, Navi Mumbai.
- **Faculty incharge** of technical site visits, Datta Meghe College of Engineering, Airoli, Navi Mumbai.
- Worked as Project Guide for B.E. students, Datta Meghe College of Engineering, Airoli, Navi Mumbai.
- **Time Table Incharge** for academic Session 2021-22, Bajaj Institute of Technology, Wardha.
- **Faculty incharge** of University Practical Exam, for academic Session 2021-22, Bajaj Institute of Technology, Wardha.
- **Faculty incharge** of Teacher Guardian Scheme, for academic Session 2021-22, Bajaj Institute of Technology, Wardha.
- **Faculty incharge** of curricular activities, for academic Session 2021-22, Bajaj Institute of Technology, Wardha.

Administrative Work:

- Assisted Principal as a **Senior Supervisor** in the Examination Cell of Alamuri Ratnamala Institute of Engineering and Technology during November/December 2012.
- Assisted Principal as a **University CAP Monitor**, Datta Meghe College of Engineering, Airoli, Navi Mumbai for November/December 2013 Examination.
- Assisted Principal as a **University CAP Monitor**, Datta Meghe College of Engineering, Airoli, Navi Mumbai for May/June 2014 Examination.
- Member of Coordination Committee of One Week Short Term Training Programme (STTP) sponsored by Indian Society for Technical Education (ISTE) at Datta Meghe College of Engineering, Airoli, Navi Mumbai.

Arrangements of Technical Site Visits:

- Arranged Survey Camp at Kune Village, Khandala for second-year students in February 2014 and February 2015.

- Accompanied the B.E. students on the Study tour of 'Middle Vaitarna Dam' in February 2014.
- Arranged site visit at RMC plant, Mahape, Navi Mumbai for second-year students in February 2014 and February 2015.
- Arranged site visit at Railway Station, Wardha for Third-year students in December 2021.

Any other Information worth Mentioning:

- Member of Syllabus Revision Committee in November 2011 for Civil Engineering constituted by Rashtrasant Tukadoji Maharaj Nagpur University.
- Member of Syllabus Revision Committee in May 2014 for Civil Engineering constituted by University of Mumbai.

Participation in Conference/ Seminar/ Workshop/ Symposium as an Organiser or so on:

- In-charge of technical paper presentation "EDIFICE", National Level Student Convention - JIGYASA-11 at Priyadarshini College of Engineering, Nagpur.
- In charge of model-making competition "PRATIKRUTI", National Level Student Convention - JIGYASA-11 at Priyadarshini College of Engineering, Nagpur.
- Co-in charge of PAROKSHA-2012, A National Level Project, Paper Presentation and Technical Gaming competition for the Polytechnic students at G.H. Raisonni Academy of Engineering and Technology, Nagpur.
- Member of Coordination Committee of One Week Short Term Training Programme (STTP) on "Application of Mathematical Modelling, Numerical Techniques and Soft Computing Tools in Civil Engineering" sponsored by Indian Society for Technical Education (ISTE) at Datta Meghe College of Engineering, Airoli, Navi Mumbai.

Seminars/ Conferences/ Symposiums/ Workshops/ Orientation Courses Attended

- "Earthquake Engineering Literature Survey Workshop" held at Indian Institute of Technology Kanpur during 27 August - 05 September 2009.
- Workshop on "Improving Teaching Competencies" organized by Lokmanya Tilak Jankalyan Shikshan Sanstha at Priyadarshini College of Engineering, Nagpur during 24th - 26th December 2010.
- Workshop on Syllabus Restructuring of Civil Engineering organized by Rashtrasant Tukadoji Maharaj Nagpur University on 25th November 2011.
- Workshop on "Research Methodology" organized by G.H. Raisonni Academy of Engineering and Technology, Nagpur from 30th November to 02nd December 2011.
- Short Term Training Programme (STTP) on "Recent Developments in Infrastructure Field" held under the aegis of Indian Society for Technical Education (ISTE) at Datta Meghe College of Engineering, Airoli, Navi Mumbai during 23rd - 27th December 2013.
- Indo-Norwegian Training Programme on "Seismic Design of Multi-Storey Building: IS 1893 vs. Eurocode8" at Visvesvaraya National Institute of Technology, Nagpur during 7th - 9th December 2014.
- Short Term Training Programme (STTP) on "Application of Mathematical Modelling, Numerical Techniques and Soft Computing Tools in Civil Engineering" sponsored by the

Indian Society for Technical Education (ISTE) at Datta Meghe College of Engineering, Airoli, Navi Mumbai during 19th - 24th December 2014.

- Workshop on “Finite Element Method with Application in Civil Engineering” at Datta Meghe College of Engineering, Airoli, Navi Mumbai on 17th January 2015.
- Short-term course on “Structural Dynamics, Seismic Design of High-Rise Building and Machine Foundation” at Datta Meghe College of Engineering, Airoli, Navi Mumbai during 09th - 10th and 13th April 2015.
- Training Programme on “Understanding earthquake behaviour of buildings” organized by Department of Applied Mechanics at Visvesvaraya National Institute of Technology, Nagpur from 21st - 26th May 2016.
- Training and Workshop on “Structural Steel Design” at Indian Institute of Technology, Hyderabad from 6th – 11th June 2016.
- Indo-Norwegian Training Programme on “Seismic Design of Multi-Storey Building: IS 1893 vs. Eurocode8” organized by BMTPC (New Delhi), IIT Roorkee, and NORSAR (Norway) from 8th - 10th December 2016 at India Habitat Centre, New Delhi.
- Short Term Training Programme (STTP) on “Structural Analysis using ANSYS” organized by the Department of Applied Mechanics at Visvesvaraya National Institute of Technology, Nagpur during 20th - 25th March 2017.
- Short Term Training Programme (STTP) on “Introduction to Structural Analysis Software” organized by the Department of Applied Mechanics at Visvesvaraya National Institute of Technology, Nagpur during 24th - 28th October 2017.
- TEQIP short course on “Concepts & Application of the Finite Element method” organized at Indian Institute of Technology, Hyderabad between 26th February – 03rd March 2018.
- Short Term Training Programme (STTP) on “Introduction to Structural Analysis Software” organized by the Department of Applied Mechanics at Visvesvaraya National Institute of Technology, Nagpur during 24th - 27th October 2018.
- One Week Training Programme on “Wind Effects on Structures” organized by Department of Applied Mechanics at Visvesvaraya National Institute of Technology, Nagpur from 29th October to 02nd November 2018.
- Three-day Course on “Earthquake Resistant Design of Steel Moment Resisting Frame Buildings” organized by Department of Civil Engineering, Pune under TEQIP-III during 14th - 16th February 2019.
- TEQIP Sponsored Short Term Training Programme on “Limit State Design of Steel Structure” organized by Department of Applied Mechanics at Visvesvaraya National Institute of Technology, Nagpur from 29th July- 02nd August 2019.
- Five Days Short Term Course on “Blast Resistant and Anti-Terrorism Design of Structures Using Advanced Materials” organized by the Department of Applied Mechanics at Visvesvaraya National Institute of Technology, Nagpur from 26th - 30th August 2019.
- Short Term Training Programme through ICT Mode on “NBA Accreditation for Polytechnics and Engineering Colleges” organised by National Institute of Technical Teachers’ Training and Research, Kolkata (Established by the Ministry of Education,

Govt. of India) from 7th March to 11th March 2022.

Achievement:

- Qualified the Graduate Aptitude Test in Engineering (**GATE 2007**) Examination.

Information of Referees

(i)	Name: Dr. L.M. Gupta Designation: Professor, Department of Applied Mechanics Name of the Organization: Visvesvaraya National Institute of Technology, Nagpur-Maharashtra 440010 Tel: 09422125802 Email: lmgupta@apm.vnit.ac.in	(ii)	Name: Dr. H.S. Chore Designation: Associate Professor, Department of Civil Engineering Name of the Organization: Dr. B R Ambedkar National Institute of Technology Jalandhar, 144 011 Tel: 9920936323 Email: chorehs@nitj.ac.in
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PUBLICATIONS

International Journals:

- Dhanuskar, J. R., and Gupta, L. M. (June 2019). "Behaviour of Block Shear Failure in Different Connections." Iranian Journal of Science and Technology, Transactions of Civil Engineering, 44(3), 847-859. <https://doi.org/10.1007/s40996-019-00270-2>. ISSN No. 2228-6160.
- Dhanuskar, J. R., and Gupta, L. M. (September 2020). "Experimental Investigation of Block Shear Failure in a Single Angle Tension Member." International Journal of Steel Structures, 20(5), 1636-1650. <https://doi.org/10.1007/s13296-020-00398-2>. ISSN No. 1598-2351
- Dhanuskar, J. R., and Gupta, L. M. (April 2021). "Shear Lag Effect in Welded Single Angle Tension Member." International Journal of Steel Structures, 21, 935–949, <https://doi.org/10.1007/s13296-021-00482-1>, ISSN No. 1598-2351.
- Dhanuskar, J. R., and Gupta, L. M. (April 2021). "Behaviour of a single angle tension member welded at single leg and both legs." Asian Journal of Civil Engineering, 22, 1157–1171, <https://doi.org/10.1007/s42107-021-00372-1>. ISSN No. 1563-0854.

International Conferences:

- Topale, S. L., Patil, S. B., and Dhanuskar, J. R. (2014). Seismic Analysis of Multi-Storied Building by Composite & R.C.C. Structure, 3rd International Conference on "Quality Up-gradation in Engineering Science and Technology" (QUEST 2014), Wardha, Maharashtra, India on 19th April 2014.
- Dhanuskar, J. R., and Gupta, L. M. (2017). Block Shear Failure in a Steel Angle Tension Member – A Review of Design Practice, International Conference on Emerging Technology in Structural Engineering (ETSE-2017), K.D.K. College of Engineering, Nagpur, Maharashtra, India, 17-18 March 2017.
- Dhanuskar, J. R., and Gupta, L. M. (2018). Revisions in the design provision of block shear failure in tension member, International Conference on Advances in Construction Materials and Structures (ACMS-2018), IIT Roorkee, Roorkee, Uttarakhand, India, 7-8 March 2018.
- Dhanuskar, J. R., and Gupta, L. M. (2019). Block Shear Behaviour of a Bolted Single Angle Tension Member, 7th International Congress on Computational Mechanics and Simulation (ICCMS 2019), IIT Mandi, Himachal Pradesh, India, 11-13 December 2019.
- Dhanuskar, J. R., and Gupta, L. M. (2019). Block shear failure in different connections – a review, Indian Structural Steel Conference (ISSC 2020), IIT Hyderabad, Andhra Pradesh, India, 06-08 January 2022.