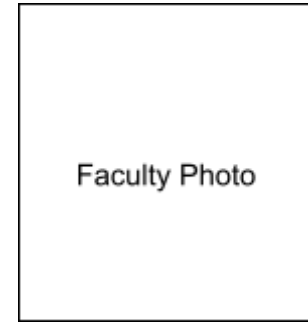


Faculty Profile



Dr. Vikas M, is a passionate researcher and academician with a Ph.D. in Water Resources and Ocean Engineering, specializing in Water resources, Coastal Engineering and Structural Engineering. As an Assistant Professor in the Department of Civil Engineering at RV College of Engineering, Bengaluru, he plays a dynamic role in both academia and industry. Alongside mentoring students and delivering core civil engineering courses, he is deeply involved in high-impact consultancy projects with government bodies and private firms, including the Government of Karnataka. His active engagement in the field bridges the gap between classroom concepts and real-world applications, contributing to a stronger, smarter, and more sustainable built environment.

Personal Information

- **Name:** Dr. Vikas M
- **Designation:** Assistant Professor
- **Department:** Civil Engineering
- **Email:** vikasm@rvce.edu.in
- **Phone:** 91-080-68188186

Google Scholar: https://scholar.google.co.in/citations?user=YJ_XUHEAAAAJ&hl=en

Research Gate: <https://www.researchgate.net/profile/Vikas-Mendi>

LinkedIn: <https://www.linkedin.com/in/dr-vikas-mendi-99a54310a/?originalSubdomain=in>

ORCID: <https://orcid.org/0000-0001-8795-0532>

Domain of Expertise

Civil Engineering (Water resources, Coastal Engineering and Structural Engineering)

Research Focus

Primary Area: River/Coastal simulation, Structural Analysis, Alternative Roofing Systems.

- **Allied Areas:**
 - Building Information Modelling (BIM)

Academic Qualifications

- **Ph.D.:** Water Resources and Ocean Engineering, National Institute of Technology Karnataka (NITK), Surathkal, 2021.
- **M.Tech:** Marine Structures, National Institute of Technology Karnataka (NITK), Surathkal, 2015.
- **B.E./B.Tech:** Civil Engineering, VTU, 2013.

Professional Experience

Experience			
S. No.	Institute/College/Industry	Job Title	Duration (From- To)
1.	RV College of Engineering	Assistant Professor	14/09/2015 to till date

Publications & Patents

Journal Publications

1. Vikas M, G. S. Dwarakish, "El Nino: A Review", International Journal of Earth Sciences and Engineering ISSN 0974-5904, Vol. 08, No. 02, April, 2015, pp. 130-137.
2. Vikas M, Thripathi, N Amarnatha Reddy, "Study on use of Polyester Resin as coarse aggregate in concrete", International Journal of Earth Sciences and Engineering ISSN 0974-5904, Vol. 08, No. 02, April, 2015, pp. 138-142.
3. Sindhu S, Vikas Mendi "Empirical Modelling of Wave Transmission over the Artificial Reef", International Journal of Earth Science and Engineering, ISSN 0974-5904, Volume 11, No. 03, P.P.247-254.
4. Vikas Mendi, Jaya Kumar Seelam, Subba Rao, "Evaluation of tidal stream energy at major tidal inlets of Goa, India", ISH Journal of Hydraulic Engineering.
<https://doi.org/10.1080/09715010.2019.1692313>.

Conference Papers

1. Vikas Mendi, N. Amarnatha Reddy, M. Lokeshwari, T. Raghavendra and Jaya Kumar Seelam "What Is the Tidal Energy Potential of Sri Lanka?" ASCE INDIA CONFERENCE 2017, 12 - 14 December 2017 IIT Delhi, India.
2. N. Amarnatha Reddy, Vikas Mendi, T. Raghavendra and M. Lokeshwari "Flood Estimation Using Probability Distribution Function Based Synthetic Unit Hydrograph Methods at Ungauged Catchments in Varrar Basin, Kerala, India" ASCE INDIA CONFERENCE 2017, 12 - 14 December 2017 IIT Delhi, India.
3. M. Lokeshwari, Vikas Mendi, T. Raghavendra, Amaranatha Reddy and B. C. Udayashankar, "Co-Composting of Municipal Solid Waste with Sewage Sludge for Sustainable Waste Management in Urban Areas" ASCE INDIA CONFERENCE 2017, 12 - 14 December 2017 IIT Delhi, India.
4. T. Raghavendra , B. C. Udayashankar , M. Lokeshwari, M. Vikas and N. Amaranath Reddy "Effect of Water Content on Relative Flow Area and Hence Predicted Flow Values of Controlled Low Strength Materials" ASCE INDIA CONFERENCE 2017, 12 - 14 December 2017 IIT Delhi, India.
5. Vikas Mendi, N Amarnatha Reddy, Jaya Kumar Seelam, Subba Rao "Tidal energy estimation of potential tidal inlets along the east coast of India", Springer book chapter, 4th International Conference in Ocean Engineering, 18-21 February, 2018, IIT Madras,

India.

6. N Amarnatha Reddy, Vikas Mendi, Jaya Kumar Seelam, Subba Rao "Non-dimensional methods to classify the tidal inlets along the Karnataka coastline, west coast of India", Springer book chapter, 4th International Conference in Ocean Engineering, 18-21 February, 2018, IIT Madras, India.
7. Vikas Mendi, Subba Rao, Jaya Kumar Seelam "General considerations for tidal energy extraction", 2nd International Conference on Climate Change, 15-16 February 2018, Colombo, Sri Lanka.
8. Vikas Mendi, Jaya Kumar Seelam, Subba Rao, "Estimation of tidal energy along the west coast of India", World Scientific, 9th International Conference on Asian and Pacific Coasts (APAC 2017), Pages 343-355, Philippines.
9. Lokeshwari M, Vikas Mendi, N Amarnatha Reddy, "Peak flood estimation along southern coast: Kerala, India", World Scientific, 9th International Conference on Asian and Pacific Coasts (APAC 2017), Pages 175-186, Philippines.
10. Vikas M, Subba Rao, Jaya Kumar Seelam, "Tidal Energy: A Review", 21st International Conference on Hydraulics, Water Resources and Coastal Engineering ,CWPRS Pune India, 8-10 December 2016. Pg:2320-2329.
11. Vikas M, G.S. Dwarakish, "Coastal Pollution- A Review", Elsevier Aquatic Procedia, Volume 4, 2015, Pages 381-388, 1st International Conference on Water Resource, Coastal and Ocean Engineering, NITK Surathkal, India.
12. Vikas M, N Amarnatha Reddy, Subba Rao, Seelam Jaya Kumar, "Classification of Tidal inlets along central West coast of India", Elsevier Procedia Engineering Volume 116, 2015, Pages 912-921, 8th International Conference on Asian and Pacific Coasts (APAC 2015), IIT Madras, India.
13. N Amarnatha Reddy , Vikas M, Subba Rao, Seelam Jaya Kumar, "Classification of Tidal inlets along "the Central East Coast of India, Elsevier Procedia Engineering Volume 116, 2015, Pages 922-931, 8th International Conference on Asian and Pacific Coasts (APAC 2015), IIT Madras, India.
14. Vikas M, Amarnatha Reddy N, Subba Rao, Jaya Kumar Seelam, "Classification of tidal inlets along the Indian coast", 30th November – 4th December, 2015, International Indian Ocean Expedition (IIOE) at National Institute of Oceanography, Goa, India. (Poster)
15. Vikas M, Amarnatha Reddy N, Subba Rao, Jaya Kumar Seelam, "A study on the classification of select tidal inlets along the east coast of India", 17th-19th December 2015, 20th International Conference on Hydraulics, Water Resources and River Engineering, HYDRO-2015, IIT Roorkee, India. (Oral presentation)

Books/Book Chapters

Patents [Filed / Published / Granted]

R & Grants & Consultancy Projects

Ongoing & Completed Research Projects

Ongoing & Completed Consultancy Projects

- Soil testing and investigation for Govt. of Karnataka.
- Concrete mix design.

Professional Memberships

- Ocean Society of India - Life Member - LM303
- Indian Society for Technical Education - Life Member - LM114985
- Indian Society for Hydraulics - Life Member - LM1261
- American Society of Civil Engineers - AM11065849

Awards & Recognitions

- MHRD GATE Scholarship during M.Tech. from 2013-2015.
- Research Supervisor Recognition from VTU-2025.

Student Supervision

- Ph.D. Candidates: --
- M.Tech/M.Sc. Students: 6
- Undergraduate Research Mentees: 20

Professional Roles

Teaching

Core Courses:

- Structural Analysis – II
- Structural Analysis-I
- Construction Management
- Valuation Engineering
- Elements of Civil Engineering
- Theory of Structures
- Foundation of Management and Economics
- Disaster Management
- Building Information Modeling (BIM)
- Environment and Sustainability

Advanced/Lab Courses:

- Building Planning and Design.
- Design of RC Structures.
- Design of Steel Structures.
- Strength of Materials.
- Building Information Modeling (BIM)

Responsibilities

- **Academic:** Skill development training (Coordinator for Civil Engg.), GATE Scholarship committee member, Project committee member.
- **Administrative:** Sports committee member, GATE Scholarship committee coordinator, Department Placement Coordinator.

External Connect

- Member of BoE – KSRMCE, VNRVJIET, BMSCE.