

Resume – (Prashanth M.H.)

Name : Prashanth M.H.

Designation : Assistant Professor
Department of Civil Engineering
NITK Surathkal

Contact details: mh_prashanth@nitk.edu.in
+91-9448626481 (Mobile)
(0824)2474000 Extn: 3348



Specialization : Structural Engineering
(Fracture Mechanics of concrete, Bridge Engineering
and Concrete Engineering)

Date of Birth : 01-03-1983

Education Qualifications:

Qualifying Degree	Specialization	University / Institute	Year of Passing
BE	Civil Engineering	National Institute of Technology Karnataka, Surathkal	2004
MTech	Structural Engineering	National Institute of Technology Karnataka, Surathkal	2006
PhD	Structural Engineering	Indian Institute of Science, Bangalore	2018

Work Experience:

Position	Institute/Organization	Period
Assistant Engineer (Civil)	KPCL	1.6.2006 to 19.05.2007
Lecturer	NITK, Surathkal	21.5.2007 to 30.9.2009
Assistant Professor (AGP-6000/-)	NITK, Surathkal	1.10.2009 to 21.2.2012
Assistant Professor (AGP-7000/-)	NITK, Surathkal	22.5.2012 to 16.9.2019
Assistant Professor (AGP-8000/-)	NITK, Surathkal	16.9.2019 to till date

Subjects Taught UG Level:

Design of Concrete Structures
Structural Analysis-I & II
Concrete Technology
Bridge Engineering
Finite Element Method
Civil Engineering Materials
Civil Engg Materials lab - I & II
Elements of Earthquake Engineering
Building Design and Drawing
Surveying Practice

Subjects Taught PG Level:

Fracture Mechanics of Concrete
Finite Element Method
Advanced Bridge Engineering
Structures Laboratory
Computer Laboratory

Thesis Guidance

Degree	Completed	On-going
PhD	-	5 (FT-4 / PT-3)
MTech	32	4
BTech	21	2

Refereed Journal Papers (Selected)

- 1) Prashanth, M.H., Parvinder Singh, P., J.M Chandra Kishen, Role of longitudinal reinforcement on the behavior of under reinforced concrete beams subjected to fatigue loading, *International Journal of Fatigue*, 2019, 125, pp. 271–290.
- 2) Manjunath, R., Prashanth, M.H., Narasimhan, M.C., Bala Bharathi, U.K., Flexural behavior of reinforced high performance self-compacting alkali activated slag concrete beams, *Indian Concrete Journal*, 2020, 94(12), pp. 17–28
- 3) Prashanth M H, K S Babu Narayan, K Venkataramana, Sajith M, Experimental studies on RC frames using CFRP sheets, *International. Journal of Earth Sciences and Engineering*, 2013, Vol 6, No 3, pp 541-545.
- 4) Prashanth M H, Suraj K, K S Babu Narayan, Ravikumar C M, Performance Enhancement of a Preloaded RC beams using CFRP sheets, *International Journal of Earth Sciences & Engineering*, Vol 5, No 06(01), December 2012, pp 1715-1719.
- 5) C M Ravi Kumar, Anil Kumar, M H Prashanth, D Venkat Reddy , Experimental Studies on Tron –ore tailing based Interlocking Paver blocks, *International Journal of Earth Sciences & Engineering*, Vol 05, No.03 (June 2012), pp 501-504.
- 6) Prashanth, H C, Chinnagiri Gowda, K S Babu Narayan, K Venkataramana Performance enhancement of RC frames using welded wire fabrics –An experimental investigation, *International Journal of Earth Science & Engineering*, Vol 3, No 1, Feb 2010, pp 108-115.

List of Papers presented in international/ National Seminars/conferences (Selected)

- 1) Prashanth M.H. Parvinder S, J.M Chandra Kishen, Fatigue crack propagation in plain concrete beams by acoustic emission technique. FraMCoS-9, May 29-June1, 2016, University of California, Berkeley, California, USA.
- 2) Prashanth M.H and J.M Chandra Kishen An acoustic emission study of mixed mode crack propagation in reinforced concrete beams FraMCoS-9, May 29-June1, 2016, University of California, Berkeley, California, USA.
- 3) Abhilash Koppad, Prashanth M H and Umesh B “Experimental Study on Shear of RC Beams under Preloading and CFRP strengthening” Proceedings of 7th International Engineering Symposium - IES 2018, Kumamoto University, Japan, March 7-9, 2018.
- 4) Prashanth, M. H. and Chandra Kishen, J M. “An acoustic emission study of fatigue processes in plain concrete: Effect of size and maximum stress” Proceedings of the Twelfth International Fatigue Congress (FATIGUE 2018), Poitiers Futuroscope, France, May 27 – June 01, 2018.

- 5) CD Dipindas, M H Prashanth, P Lakshmy “Analysis of anchorage zone stresses in post-tensioned concrete girders” Trends in Civil Engineering and Challenges for Sustainability CTCS-2019, NMAMIT, Nitte, May 2019.
- 6) D Sudakshina, M H Prashanth, J M Chandra Kishen “Effect of aggregate-mortar interface cracking on tensile strength of concrete” International Civil Engineering and Architecture Conference-2019, Trabzon, Turkey, April 2019
- 7) Sathwik, M.C., Prashanth, M.H., Naik, Sneha., Aakash S. “Experimental and numerical studies on compressive behaviour of CFRP wrapped cylindrical concrete specimens subjected to different pre-loading conditions”, Materials Today: Proceedings, 2020, 27, pp. 327–335
- 8) Prashanth M H , Chandra Kishen J.M. "A study of the fracture of Reinforced concrete beams under shear using the AE technique"10th International Conference on Fracture Mechanics of Concrete and Concrete Structures (FraMCoS-X), 23rd to 26th June, 2019, Bayonne, France.
- 9) Parvinder Singh, Prashanth M.H, J. M. Chandra Kishen "Damage degradation in reinforced concrete beams through acoustic emission" 4th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, WMCAUS2019, 17-21 June, 2019, Prague, Czech Republic
- 10) Dravesh Yadav, Prashanth M H, “Numerical study on the behaviour of steel fiber reinforced concrete beams for different crack lengths”, Materials Today: Proceedings, 65, pp1459-1466 January 2022

Short term courses Attended- (Selected)

S.I No	Name of the Course	Place & Sponsored by	Dates
1	Design of High – Rise Buildings	Earthquake Engineering Research Centre, IIIT Hyderabad	26 th May to 7 th June 2008
2	Fracture Mechanics of Concrete : Research & Applications	Dept of Civil Engg, IIT Madras	12 th to 18 th July 2011

Organization of Courses/Seminars/Workshops/Conferences (Selected)

- 1) Course Coordinator in conducting a one week refresher course on **Drafting & Detailing through AUTOCAD**, for professional Engineers from Karnataka PWD and Irrigation Departments, under the aegis of Karnataka Engineering Staff college, KRS, Mysore ,and CCE,NITK during 15th - 19th Sept 2008
- 2) Was one of the co-coordinator in conducting TEQIP –sponsored Theme workshop on “**Concrete for Coastal Environment**” during 7th and 8th of October 2009 .
- 3) Was Co-Coordinator in conducting a one week refresher course on **RCC Detailing, Mix-Design and Quality Control**, for professional Engineers from Karnataka PWD and Irrigation Departments, under the aegis of Karnataka Engineering Staff college, KRS, Mysore, and CCE, NITK during 8th to 12th November 2010.
- 4) Was coordinator in organizing International workshop on **Durability of Concrete** (in online mode) for faculty members, professional engineers during 26th to 30th October 2020

Foreign Countries Visited

1. Visited the **Concrete Technology Unit, University of Dundee, Dundee, Scotland, UK** from 28th November to 15th December 2008 for research interaction, sponsored by NITK- TEQIP
2. (i) Visited **Centre for Advanced Cement materials, Northwestern University, USA** from the 19th May to 27th May 2016 for research interaction, sponsored by NITK-TEQIP-II,

(ii) To attend and present two papers in **9th International Conference on Fracture Mechanics of Concrete and Concrete Structures, University of California, Berkeley, USA** from 29th May to June 1st 2016
3. To attend and present paper in **7th International Engineering Symposium 2018 (IES 2018) Kumamoto University, Japan** from 7th March 2018 to 9th March 2018
4. To attend and present the paper in **10th International Conference on Fracture Mechanics of Concrete and Concrete Structures (FraMCoS-X)**, which was held from 23rd to 26th June, 2019, at the Université de Pau et des Pays de l'Adour (UPPA) Campus, Bayonne, France

Membership of Professional Societies

- 1) Life member, Association of Structural Rehabilitation
- 2) Life member, Indian Society for Applied Mechanics
- 3) Life member, Association of Consulting Civil Engineers
- 4) Life member, Indian Concrete Institute
- 5) Life member, Indian Institute of Bridge Engineers

Sponsored Research Projects:

Title of Project	Funding Agency	Duration	Name of P.I. and other investigators
Effect of Corrosion on Residual Capacity of RCC Beams and Beam – Column Joints in coastal regions	Board of Research for Nuclear Sciences.	2010 -2013 3 years (completed)	PI-Dr. K Venkataramana CI-Dr K S Babu Narayan - Er M H Prashanth
Strength, serviceability and hazard assessment of global vipassana pagoda considering as built information and in-situ material properties	Global Vipassana foundation	2021-2024 (Continuing)	PI- Dr Pavan G S, CI - Dr Sreevalsa K, - Dr M H Prashanth

Administrative Positions held in the Institute

- Faculty in-charge (Estate & Works) from February 2020 to February 2022.
- Faculty in-charge (Institute Guest Houses) from February 2020 to February 2022.
- Resident Engineer in-charge from February 2022 to May 2022.

All the above information furnished is true to the best of my knowledge.

Date: 25.09.2022

Prashanth.M.H