

Name: **Dr. B. MURALI KRISHNA**

Designation: Assistant Professor

Department: Civil Engineering

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Experience (in years): 6 years 3 Months Teaching: 1 year 3 Months Research: 4 years Industry: 1 year

1. Educational / Technical qualifications:

S.No.	Level (UG / PG / Ph.D.)	Year of passing	Specialization
1	Ph.D. (From NIT Warangal)	2020	Civil Engineering
2	M.Tech. (From GITAM University)	2015	Structural Engineering and Natural Disaster Management
3	B.Tech. (From PVPSIT Vijayawada)	2012	Civil Engineering

2. Teaching and Learning:

2.1. Teaching Interests:

UG: Concrete Technology, Design of Reinforced Concrete Structures, Design of Steel Structures, Strength of Materials, Structural Analysis, Engineering Mechanics, Earth Quake Resistant Design of Buildings, Construction Technology and Management, Disaster Mitigation.

PG: Advanced Concrete Technology, Repair and Rehabilitation of Structures.

2.2. Novel Teaching & Learning Techniques adopted: Chalk and Talk, PPT's, WIT & WIL.

Involvement in curriculum updating / Design: Nil

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Journal reading and Exploring latest technology in Civil Engineering; Sports (Cricket) and Badminton.

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: B.Tech 1st Year and 3rd Year Students

3.5. Committees involved in: NBA

Department level: PG (Structural Engineering) NBA.

Institute Level: Nil

4. Conference / Workshop / Seminar / Guest Lectures

4.1 Conducted: Nil

4.2 Attended:

S.No.	Workshop/Conference	Organized by	Duration & Year
1	A 6-Day TEQIP workshop on “Probabilistic Seismic Hazard Analysis (PSHA)”	Department of Civil Engineering at IIT Hyderabad	One Week; 21 – 26 October, 2016
2	Two Week GAIN Programme on “Dynamic Material Failure”	Structures Division, Department of Civil Engineering, National Institute of Technology, Warangal, Telangana, India.	Two Week; 13-23 June, 2017
3	GIAN Course on “FRP Technology for Strengthening and Rehabilitation of Structures”	Department of Civil Engineering, National Institute of Technology, Warangal, Telangana, India.	One Week; 21-25 August, 2017
4	Three Day Faculty Development Program (FDP) on “Recent Advances in Concrete Technology (ReACT)”	Structures Division, Department of Civil Engineering, National Institute of Technology, Warangal, Telangana, India.	Three Days; 20-22 March, 2017
5	Three Day Faculty Development Program (FDP) on “Advances in Structural Health Monitoring of Civil Infrastructure (ASHMCI)”	Structures Division, Department of Civil Engineering, National Institute of Technology, Warangal, Telangana, India.	Three Days; 22-24 March, 2017
6	Three Day Workshop on “Condition Assessment and Rehabilitation of Structures (CARS)”	Structures Division, Department of Civil Engineering, National Institute of Technology, Warangal, Telangana, India.	Three Days; 17-19 March, 2017
7	Two Day National Meet “Research Conclave’17”	National Institute of Technology Warangal, Telangana, India.	Two Days; 17-18 March, 2017.

8	A Three day workshop on “Bio-Inspired Materials by Design: Issues & Challenges”	Structures Division, Department of Civil Engineering, National Institute of Technology, Warangal, Telangana, India.	Three Days; 19-21 NOVEMBER, 2018
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Guest Lectures

Delivered a lecture in “Advanced Computing in Civil Engineering (ACCE)”, Series-1: Advanced Computational tools in Structural Modelling and Analysis & Transportation and Traffic systems from 16-Nov-2020 to 28-Nov-2020 being organized by the Department of Civil Engineering, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad.

5. Academic Contribution and Research & Consultancy

5.1. Invited Lectures: Nil

5.2. Articles / Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided: Nil

a) UG: Nil

b) PG: Nil

5.5. Research Interests: Structural Health Monitoring, 3D Printing, Structural behaviour of New Concretes, Durability of Special Concretes.

5.6. Ph.D students: Nil

a) Enrolled: Nil

b) Submitted: Nil

c) Awarded: Nil

5.7. Papers published in International / National journals:

S.No	Title of the Paper	Journal Name Vol. No. pp.	ISBN/ISS N No.	Impact Factor/ Citation Index	National/ International
1.	QR Code as Speckle Pattern in Digital Image Correlation	Structural Monitoring and Maintenance (SMM), Vol. 6, No. 1 (2019); DOI: https://doi.org/10.12989/smm.2019.6.1.000 ,	ISSN:2288-6605(Print) ISSN:2288-6613 (Online)	Emerging Sources Citation; SCOPUS	International
2.	Numerical and experimental study on flexural behaviour of RC beams:	Computers & Concrete; Vol. 24, No. 6, pp. 561-570, (2019); Techno press. DOI: https://doi.org/10.12989/cac.2019.24.6.561	ISSN: 1598-8198 (Print); E-ISSN: 1598-818X	Science Citation Indexed; Thomson Reuters IF = 1.889	International

	Digital Image Correlation approach				
3.	Condition assessment of RC beams using Artificial Neural Networks	In Structures (Vol. 23, pp. 1-12). Elsevier	In Structures (Vol. 23, pp. 1-12).	Science Citation Indexed; Thomson Reuters IF = 1.839	International
4.	Image-Based Deterioration Assessment of Concrete	Materials today: PROCEEDINGS; 2020. Vol 32, Pg: 788-796.	ISSN: 2214-7853	SCOPUS	International
5	Performance evaluation of recycled granular material as sustainable sub-base material	Materials today: PROCEEDINGS; 2020. Vol 38, Pg: 2457-2463	ISSN: 2214-7853	SCOPUS	International
6	Determination of blast load parameters for 2d framed over the facade of the structure”	International Journal of Engineering Research-online; 2015.	Vol.3. Issue.3, 2015, ISSN: 2321-7758	Peer Reviewed	National

5.8. Papers presented at National / International Conferences:

S.No.	Title of the Paper	Names of the Conference/ Seminar	National/ International	Period
1.	Blast Response of Cementitious Sandwich Composite Panels	ICCMS 2017 International Conference on Composite Materials and Structures, Hyderabad.	International	27 -29 December 2017
2.	Image-based analysis of concrete deterioration	International Conference on "INNOVATIVE TRENDS IN CIVIL ENGINEERING FOR SUSTAINABLE DEVELOPMENT" (ITCSD - 2019), Sponsored by TEQIP III Organized by Department of Civil Engineering.	International	13-15 September 2019.
3.	Digital image correlation-based performance	Proceedings of the 11th Structural Engineering Convention - 2018	National	19-21 December

	assessment of structural components	Jadavpur University, Kolkata, India, Paper No. 20180411, SHM Page no (44-50).		2018
4.	A holistic modelling approach to deterioration of RC beams	Advances in Sustainable Construction Materials (ASCM 2019) NIT Warangal, India, Paper No. ASCM_026.	National	15 -16 March 2019

5.9. Sponsored research Projects: Nil

5.10 Consultancy Projects:

- 1) A study conducted on differential movement of rail over bridge (ROB) at the Metro Rail over Bridge near Boiguda, May 16th - 26th 2019, L&T Metro Rail (Hyderabad) Ltd; Secunderabad.
- 2) A peer review report of the Groutec Coupler testing (IS 16172: 2014 (section 10.2)) for Dextra India Pvt Ltd conducted at V.R. Siddhartha College of Engineering, Vijayawada and witnessed by NITW Warangal dated 02/11/2018.
- 3) Testing of Hollow-Core Slab (IS 15916-201, clause 10.2) conducted at Inventaa (Near Vijayawada).
- 4) A study conducted on "Condition Assessment of existing complex and recommendations for the construction of higher stories (two stories above existing)" using NDT techniques at Kazipet, Telangana State.

6 Awards / Honours received

- 1) Filed a patent on " DIC based rapid condition assessment system for structural health Monitoring using QR code-based speckled pattern" (Patent application 201841047593 Published in Patent Office Journal).
- 2) Received Institute Fellowship from National Institute of Technology, Warangal, India for pursuing Doctoral Studies for four years (January 2015 to January 2020).

7 Motto:

True success is all about working towards meaningful goals and dreams.