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

Designation: Assistant Professor

Department: Civil Engineering

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Experience (in years): 8 years 3 Months   Teaching: 3 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:
3.3. CCA/ECA participated: Nil
3.4. Counseling and Mentoring Activity: B.Tech (30 students)
3.5. Committees involved in: NBA
        Department level: PG (Structural Engineering) NBA
        Institute Level: Team member in OTLE

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**
9	Effective Utilization of Digital Platforms for Teaching and Learning Process	Usage of digital platforms for better interaction with students	14-05-2020 to 16-05-2020
10	One Week Online FDP on Design Thinking in Engineering Education	CPADT (VNR VJIET)	15-06-2020 to 20-06-2020
11	Three-Day Online Workshop	Intellectual Property Rights and Innovations in Civil Engineering" (IPRICE)	8th – 10th June 2021
12	Three-Day Online Workshop	Usage of digital platforms for better interaction with students	14-05-2020 to 16-05-2020
13	One Week Online FDP	Design Thinking in Engineering Education	15-06-2020 to 20-06-2020
14	One Week FDP	AICTE Training and Learning (ATAL) Academy Green Buildings & Built Environment	25-10-2021 to 29-10-2021
15	A 5-Day Workshop	Writing Good Quality Research Proposals'	08-08-2022 to 13-08-2022
16	One Week FDP	AICTE Training and Learning (ATAL) Academy Innovative Contactless Investigation Techniques in Civil Engineering	06-09-2021 to 10-09-2021

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.
- Delivered a lecture on "Structural Health Monitoring using Digital Image Correlation Techniques" from 08th – 10th June 2021 being organized by St Martin's Engineering College, Hyderabad.
- Delivered a lecture on "Structural Health Monitoring using Digital Image Correlation Techniques" from 21st – 30th March 2022 being organized by NIT Warangal and SNIST, HYD.

5. Academic Contribution and Research & Consultancy

5.1. Invited Lectures: 4

5.2. Articles / Chapters published in Books: Nil

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

5.4. Projects Guided: Nil
        a) UG: 4
        b) PG:4

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/ISSN 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: Digital Image Correlation approach	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

				Science Citation Indexed; Thomson Reuters IF = 1.839	
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	2.47	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	2.47	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
7	Image-Based Deterioration Assessment of Fiber Reinforced No Aggregate Concrete	Materials today: PROCEEDINGS; 2022	ISSN: 2214-7853	2.47	International
8	Creep, chloride, carbonation and sulphate attack on concrete	IOP Conference Series: Earth and Environmental Science	1755-1307	0.41	International
9	Determination of response of a multistorey structure	Journal of Building Pathology and Rehabilitation	2365-3159	2.182	International

	subjected to blast loading				
10	Augmentation of problem based learning in civil and electrical engineering	Journal of Engineering Education Transformations	2349-2473	0.49	International

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 the concrete deterioration	International Conference on "INNOVATIVE TRENDS IN CIVIL ENGINEERING FOR SUSTAINABLE DEVELOPMENT" (ITCSD - 2019), Sponsored by TEQIP III Organized by the Department of Civil Engineering.	International	13-15 September **2019**.
3.	Digital image correlation-based performance assessment of structural components	Proceedings of the 11th Structural Engineering Convention - 2018 Jadavpur University, Kolkata, India, Paper No. 20180411, SHM Page no (44-50).	National	19-21 December **2018**
4.	A holistic modeling approach to The 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 the 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.