

Name: R.HARIKA

Designation: Assistant professor

Department: Civil Department

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Experience (in years): 5

Teaching: 6

Research:

Others:



### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	M.Tech	2017	Structural Engineering
2	B.Tech	2014	Civil Engineering

### 2. Teaching and Learning:

2.1 Teaching Interests: Strength of Materials, Concrete Technology, Structural Analysis, Engineering Mechanics, Disaster Management, Engineering Drawing for Civil Engineers

2.2 Novel Teaching & Learning Techniques adopted: WIT & WIL, PPT, Chalk & Talk, POGIL.

2.3 Involvement in curriculum updating / Design: Nil

### 3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Origami

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counseling and Mentoring Activity: Mentor for II B.Tech. and IV B. Tech (10 Nos.),

3.5. Committees involved in:

Department level: Department Newsletter-The Blue print, Result analysis .

Institute Level: -

### 4. Conference / Workshop / Seminar / Guest Lectures:

4.1 Conducted: Nil

4.2 Attended:

- Business Opportunities in Waste Management
- Workshop on Advanced Numerical Modeling Techniques for Mechanical Engineering
- Seismic Design and Detailing of Reinforced Concrete Buildings.
- Traffic and Transportation Planning for Smart Cities.
- FDP on Design Thinking
- Workshop on Machine Learning for Construction Automation organized by IITM

### Conference:

- Modern Concretes –Driving Profit and Sustainability
- Transportation Research Efforts for Ecological Sustainability
- International Conference on Construction Materials and Smart Structures for Sustainable Development

### 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 :

a) UG : Development of Red Soil Based Geopolymer Concrete Under Ambient Curing Conditions

: Study on Nano Geopolymer Concrete at Ambient Conditions

: Seismic analysis of elevated water tank with varying bracing patterns

b) PG : Bond and Durability studies of Fiber Reinforced No Aggregate Concrete

5.5. Research Interests : Eco friendly and sustainable concrete materials, Health Monitoring of structures

5.6. Ph.D students :

a) Enrolled : NIL

b) Submitted : NIL

c) Awarded : NIL

5.7. Papers published in reviewed journals :

S.No	Title of the Paper	Journal Name Vol. No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	An Experimental Analysis on Behaviour of Concrete with Copper Slag and Dolomite	Materials Today: Proceedings	2214-7853		International
2	Bond and durability studies of fiber reinforced no aggregate concrete	Materials Today: Proceedings	2214-7853		International

5.8. Papers presented at National / International Journals : 02

S. No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Parametric study on geopolymer concrete beams reinforced with geogrids using ABAQUS	Modern Concretes –Driving Profit and Sustainability	International	26 <sup>th</sup> – 27 <sup>th</sup> , August 2016.
2.	A Study on Mechanical & Durability Properties of Concrete with Dolomite and Copper Slag Replacement	International Conference on Construction Materials and Smart Structures for Sustainable Development	International	29 <sup>th</sup> - 31 <sup>st</sup> January 2020
3.	An experimental investigation on the stress-strain behaviour of geopolymer concrete	ICON -21	International	July 2021

5.9. Sponsored research Projects:

S. No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S. No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

**6. Awards / Honors received: NIL**

**7. Motto:** Develop a passion for learning. If you do, you will never cease to grow

