

## **PROFILE**

**Mrs. K Hemalatha**, is currently working as an Assistant Professor in the Department of Civil Engineering at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad. She obtained her B. Tech degree from GMRIT, RAJAM affiliated to JNTUK. She completed her M. Tech in Structural Engineering specialization from JNTUH in the year 2015. She received silver medal in her M.Tech degree. She has Ratified as Assistant Professor in the year 2015(JNTUH).

She is teaching both B. Tech and M.Tech students in subjects like Solid Mechanics I & II, Structural Analysis I & II, Advanced Concrete Technology lab, Numerical Analysis Lab. Currently she is guiding Minor and Major Projects for both UG and Post Graduate Students in Structural Engineering.

She got PhD admission in 2019 December at NIT Warangal.



### **Contact:**

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## Curriculum Vitae

### Education Details:

| Course                          | College                     | Year of passing | Aggregate % |
|---------------------------------|-----------------------------|-----------------|-------------|
| M.Tech (Structural Engineering) | SEC,<br>JNTUHYDERABAD       | 2015            | 80          |
| B. Tech Civil Engineering       | GMRIT, RAJAM,<br>JNTUK      | 2012            | 73          |
| Intermediate                    | Nalanda residential college | 2008            | 90          |
| SSC                             | B.S&JR High school          | 2006            | 83          |

### Experience & Other Academic Contributions:

- ◆ She has totally 6 years of experience in teaching
- ◆ She published total 7 papers in Scopus, International Journals and National conferences.

### Major Career Interests:

- ◆ Concrete Technology
- ◆ Structural Analysis
- ◆ Mechanics
- ◆ Test Methods in Structural Engineering
- ◆ Special concretes

### Association with Professional Bodies

- ◆ Life time member in “INDIAN SOCIETY FOR TECHNICAL EDUCATION (LMISTE)”.
- ◆ Life time member in “INTERNATIONAL ASSOCIATION OF ENGINEERS (IAENG)”.

### Research Interests:

- ◆ Concrete Technology
- ◆ Structural Dynamics
- ◆ Special Concretes
- ◆ Finite Element Studies

### Subjects Taught:

- Solid Mechanics I
- Solid Mechanics II
- Structural Analysis I
- Structural Analysis II
- Advanced Concrete Technology
- Soil Mechanics

### Journal Publications/Conference Proceedings:

|                           |          |
|---------------------------|----------|
| International Journals    | 2        |
| National Journals         | -        |
| International Conferences | 1        |
| National Conferences      | 2        |
| <b>Total =</b>            | <b>5</b> |

### ACHEIVEMENTS AND AWARDS

- ♦ Got PhD admission at NIT Warangal in December 2019.
- ♦ Silver medal in Post-Graduation.

### PROFESSIONAL PROGRAMS ATTENDED:

- ♦ One week FDP on “Entrepreneurship & Incubation center” from 5-10-2020 to 10-10-2020 organized by NNRESG, Hyderabad.
- ♦ One week Faculty awareness program on NBA Accreditation from 13<sup>th</sup> July to 17<sup>th</sup> July 2020 organized by CMR Institute of Technology, Hyderabad.
- ♦ Attended “AICTE Margadarshan FDP on Writing Papers and Research Methodologies” organized by GRIET from 7<sup>th</sup> July to 13<sup>th</sup> July 2020.
- ♦ Five day FDP-Multi Disciplinary Approaches in Civil Engineering, MLRIT from 3<sup>rd</sup> July 2020 to 8<sup>th</sup> July 2020.
- ♦ 3 day FDP on “Emerging Trends in Infrastructure & Structural Engineering” from 2<sup>nd</sup> June 2020 to 6<sup>th</sup> June 2020 at NNRESG.
- ♦ 3 day FDP on “Recent Advances in Concrete Technology” organized by GRIET from 21<sup>st</sup> May 2020 to 23<sup>rd</sup> May 2020.
- ♦ One week FDP on “OBE and NBA Accreditation” from 12<sup>th</sup> May 2020 to 18<sup>th</sup> May 2020.
- ♦ Completed 2 weeks Certification on “Digital Transformation in Teaching learning process” organized by SWAYAM from 27<sup>th</sup> April 2020 to 11<sup>th</sup> May 2020.
- ♦ Completed One month COURSE Era certification on Mechanics of Materials I: Fundamentals of Stress & Strain and Axial Loading from 15<sup>th</sup> June 2020 to 22<sup>nd</sup> July 2020.
- ♦ One week FDP organized by GRIET with AICTE on “Outcome Based Education” from 2<sup>nd</sup> Dec 2019 to 7<sup>th</sup> Dec 2020.
- ♦ Attended 3 day FDP on “AICTE MANDATE-EXAMINATION REFORMS-OUTCOME BASED TEACHING, LEARNING & ASSESSMENT STRATEGIES” organized by JNTUH from 25<sup>th</sup> Sep 2019 to 27<sup>th</sup> Sep 2019.
- ♦ One week FDP on “BIM Information Modelling” organized by GRIET along with BIM GrafX from 30<sup>th</sup> Nov 2018 to 6<sup>th</sup> Dec 2018.
- ♦ One day seminar attended on “Special Concretes” organized by JNTUH on 30<sup>th</sup> Sep 2018.
- ♦ 3 months FDP on “ICT technologies and online teaching methodologies” organized by IIT Bombay from 10<sup>th</sup> August 2017 to 14<sup>th</sup> Nov 2017.
- ♦ One week FDP on “Introduction to structural engineering by IIT Kharagpur” from 30<sup>th</sup> Nov 2015 to 3<sup>rd</sup> Jan 2016.
- ♦ One week FDP on “Guide to be a Passionate Teacher “organized by GRIET from 29<sup>th</sup> June 2015 to 4<sup>th</sup> July 2015.

## Publications

### LIST OF PAPER PUBLICATIONS

#### JOURNALS:

##### ❖ INTERNATIONAL:

- ♦ **K Hemalatha**, T Srinivas , G Swetha, V Haripan, "Effect of Air quality Parameters in Hyderabad and mapping using QGIS and Detection Management software" ISSN:2278-3075, Vol 9 on 10<sup>th</sup> November 2019.
- ♦ **K Hemalatha**, Naitrayan, "Analysis of RCC T-beam and Prestressed concrete box girder bridges super structure under different span conditions" on 11<sup>th</sup> August 2020.

#### CONFERENCE PROCEEDINGS:

##### ❖ INTERNATIONAL:

- ♦ V Srinivasa Reddy, **K Hemalatha**, Meghana Lahari, "Bio-Mediated Sandy Soil Stabilization Using Urease Enzymatic Calcite Precipitation: A Sustainable Solution" organized by ICMED on 8<sup>th</sup> Sep 2020.

##### ❖ NATIONAL:

- ♦ **K. Hemalatha**, "Behavior on strength characteristics of concrete using basalt fibers at GRIET, Hyderabad "National conference on recent trends in civil engineering" ISBN: 978-93-86647-85-6 on 15<sup>th</sup> Dec 2015.
- ♦ K S Amith, **K Hemalatha**, "Experimental study on fly ash based high grade concrete with quarry dust as fine aggregate" on 25<sup>th</sup> Jan 2019.

**Books /Chapters** - **NIL**

**PhD Supervision** - **NIL**

#### Professional Work

- ♦ She is acting as Coordinator for NAAC Criteria 1, ECAP website and DAA coordinator at department level.
- ♦ She is acting as Laboratory In charge for Advanced Concrete Technology.
- ♦ SWAYAM Course Coordinator at department level.

**Visits Abroad** - **NIL**