

## CURRICULUM VITAE

- 1. Name** Dr. K.L. RADHIKA
- 2. Designation** Professor
- 3. Official Address** Department of Civil Engineering  
University College of Engineering (A)  
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### 4. Academic Qualification:

| Degree                       | Subject                | Board/University                              | Year |
|------------------------------|------------------------|-----------------------------------------------|------|
| Ph.D                         | Civil Engineering      | National Institute of Technology, Warangal    | 2016 |
| M.Tech.                      | Structural Engineering | Osmania University, Hyderabad.                | 1999 |
| B.Tech                       | Civil Engineering      | J.N.T. University, Hyderabad.                 | 1994 |
| Diploma in Civil Engineering | Civil Engineering      | State Board of Technical Education & Training | 1990 |

### 5. Project Profile:

- PhD** A Study on the Application of Particle Packing Theories for Improving the Performance of Recycled Aggregate Based Self Compacting Concrete
- M.E (SE)** Fly Ash - A Partial Replacement of Fine Aggregates in Concrete.
- B Tech** Cost Comparison and Designing a Structures by Working Stress Method and Limit State Method of Design

### 6. Industrial and Teaching Experience:

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|--------------------------|------------------------------------------------------------------------|
| 30.01.2018 to till date  | Professor, Department to Civil Engineering, UCE,OU,Hyderabad           |
| 30.01.2015 to 29-01-2018 | Associate Professor, Department to Civil Engineering, UCE,OU,Hyderabad |
| 30.01.2002 to 29-01-     | Assistant Professor, Department to Civil Engineering,                  |

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|-----------------------------|----------------------------------------------------------------------------------------------------------------------|
| 2015                        | UCE,OU,Hyderabad                                                                                                     |
| 25.01.1996 to<br>29.01.2002 | Assistant Executive Engineer, Central Designs<br>Organization<br>Irrigation & CAD Department Hyderabad, Govt. of AP. |
| 02.04.1993 to<br>24.01.1996 | Assistant Draftsman, Chief Administration Office<br>(Construction), South Central Railways, Secunderabad.            |
| 20.07.1991 to<br>01.04.1993 | Draftsman, Design Facility (Architects &Engineers)<br>Marredpally, Secunderabad                                      |

## 7. Area of Research / Interest:

- Sustainable Materials
- Special Concrete- Self Compacting Concrete, Fibrous Concretes, Recycled Aggregate Concrete
- Low Cost alternate Building Materials
- Structural Health Monitoring of Structures
- Repair and Rehabilitation of buildings.
- Design of Structures

## 8. Teaching Assignment:

| Under Graduate                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Post Graduate<br>Structural Engineering Specialization                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Engineering Mechanics<br/>Engineering Graphics<br/>Strength of Materials-I<br/>Strength of Materials-II<br/>Solid Mechanics<br/>Building Technology &amp; Drawing,<br/>Building Materials and Construction<br/>Reinforced Concrete Design<br/>Theory of Structures<br/>Mechanics of Materials<br/>Structural Engineering Design &amp;<br/>Drawing (Concrete)<br/>Concrete Technology<br/>Advanced Concrete Technology<br/>Concrete Laboratory<br/>Testing Materials Laboratory</p> | <p>Earthquake Resistant Design of Structures<br/>Design of Prestressed Concrete Structures<br/>Fracture Mechanics of Concrete Structures<br/>Structural Design<br/>Structural Optimization<br/>Advanced R C Design<br/>Structural Engineering Laboratory – I<br/>Structural Engineering Laboratory – II<br/>Advanced Concrete Laboratory<br/>Seminars<br/>Mini Project<br/>Dissertation work</p> <p><b>PG Sponsored courses</b><br/>Infrastructure Management<br/>Safety Management in Construction<br/>Construction Management</p> |

## 9. Training Programs and Workshops Attended:

| S. No | Title of the Workshop                                                                                                                                             | Workshop Details (Number of days, organized by, Dates etc)                     |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 1     | One day workshop on "Vision 2030: Building Osmania's Roadmap for Academic and Institutional Distinction"                                                          | Osmania University<br>23rd<br>Aug 2025                                         |
| 2     | Three day National Workshop on "NAAC Accreditation and Outcome Based Education through AI Powered Digital Learning"                                               | Osmania University<br>3rd to 5th<br>Mar 2025                                   |
| 3     | Two day National Seminar on "Quality Assurance and Faculty Preparation for NAAC Accreditation of Osmania University" organized by Internal Quality Assurance Cell | Osmania University<br>27th & 28th Feb 2024                                     |
| 4     | Short Term Course on "Research & Innovations in Structural Engineering"                                                                                           | Dept. of Civil Engg., Vardhaman College of Engineering<br>12th - 17th Feb 2024 |
| 5     | Short Term Course on "Leadership Development for Academic Administration"                                                                                         | UGC-HRDC<br>Osmania University Hyderabad<br>27th June- 4th July 2023           |
| 6     | One week FDP on Design of Bridges using MIDAS Software                                                                                                            | Dept. of Civil Engg.,<br>UCE(A),OU<br>17-21 April 2023                         |
| 7     | Online Advanced course on "Structural Health Monitoring of Civil Infrastructure"                                                                                  | CSIR-SERC<br>Chennai<br>30-31 March 2023                                       |
| 8     | One day Workshop on Women Enclave- A Meet up of Women Professionals                                                                                               | Dept of Electrical & Electronics Engineering<br>UCE, 17th March 2023,          |
| 9     | Online Advanced course on "Fatigue and Fracture Behaviour of Metallic Components"                                                                                 | CSIR-SERC<br>Chennai<br>08-10 Feb 2023                                         |
| 10    | Online Advanced course on "Fatigue and Fracture Behaviour of Steel and Concrete Structures and Components"                                                        | CSIR-SERC<br>Chennai<br>19-20 May 2022                                         |
| 11    | Online Advanced course on "Use of Alternative Reinforcement in Concrete Applications"                                                                             | CSIR-SERC<br>Chennai<br>22-23 Feb 2022                                         |
| 12    | Finite Element Analysis using MIDAS Software (Hands on Experience)                                                                                                | Dept. of Civil Engg.,<br>UCE(A),OU<br>12-16 March, 2019                        |
| 13    | One day Induction Program                                                                                                                                         | CED, UCE (A), OU, Hyderabad<br>20 <sup>th</sup> January 2018                   |
| 14    | FDP on Repair and Rehabilitation of Structures                                                                                                                    | NITTTR, Kolkata<br>One week                                                    |

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|    |                                                                                     | 08-01-18 to 12.01.18                                                          |
| 15 | FDP on Structural Design with<br>STAAD PRO                                          | NITTTR, Kolkata<br>One week<br>13-11-17 to 17.11.17                           |
| 16 | FDP on Structural Health Monitoring                                                 | NITTTR, Chandigarh<br>31-07-17 to 04.08.17                                    |
| 17 | Women for Excellence<br>(WE2017)                                                    | University College of<br>Engineering, OU Hyderabad<br>1-days on<br>08-03-2017 |
| 18 | Structural Health Monitoring and<br>Condition Assessment of Existing<br>Structures  | Dept. of Civil Engg.,<br>UCE(A),OU<br>2 day (20-01-2017 to 21-01-<br>2017)    |
| 19 | Good Concrete Construction<br>Practices                                             | Dept. of Civil Engg.,<br>UCE(A),OU<br>2 day (28-10-2016 to 29-10-<br>2016)    |
| 20 | Design, Construction, Evaluation<br>and Maintenance of Cement<br>Concrete Pavements | Dept. of Civil Engg.,<br>UCE(A),OU<br>2 day (21-10-2016 to 22-10-<br>2016)    |
| 21 | Finite Element Methods                                                              | Dept. of Civil Engg.,<br>UCE(A),OU<br>1-days on<br>30-07-2016                 |
| 22 | Women for Excellence<br>(WE2016)                                                    | University College of<br>Engineering, OU Hyderabad<br>1-days on<br>09-03-2016 |
| 23 | Engineering Graphics using<br>AUTOCAD                                               | Dept. of Civil Engg.,<br>UCE(A),OU<br>1 day<br>(09-10-2015)                   |
| 24 | Better Health Awareness and Life                                                    | University College of<br>Engineering, OU Hyderabad<br>1-days on<br>10-03-2015 |
| 25 | Limit State Design of Steel<br>Structures based on IS:800:2007                      | NITTTR<br>Chandhigarh<br>3 week (29-10-2014 to 31-10-<br>2014)                |
| 26 | MSC-N<br>ASTRAN                                                                     | Dept. of Civil Engg.,<br>UCE(A),OU<br>1 week (12-05-2014 to 17-05-<br>2014)   |

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| 27 | Nexus of Water and Energy                                 | Dept. of Civil Engg.,<br>UCE(A),OU<br>1 day on<br>22-03-2014                                               |
| 28 | Awareness and Empowerment of Women                        | University College of Engineering, OU Hyderabad<br>1-days on<br>10-03-2014                                 |
| 29 | Faculty Development Programme in Entrepreneurship         | Entrepreneurship Development cell,<br>Osmania University<br>2 weeks<br>(30-12-2013 to 10-01-2014)          |
| 30 | Good Concrete Construction Practices                      | Dept. of Civil Engg.,<br>UCE(A),OU<br>2 day<br>(17-08-2012 and 18-08-2012 )                                |
| 31 | Recent Advances in concrete and construction              | VNRVJ Institute of Engineers and Technology<br>2 weeks<br>(30-04-2012 to 12-05-2012)                       |
| 32 | Water and Food Security-Issues and Challenges             | Dept. of Civil Engg.,<br>UCE(A),OU<br>1 day<br>(22-03-2012)                                                |
| 33 | Advances in Concrete Technology                           | UGC-ASC,<br>JNTUCEH<br>1 week<br>( 22.11.2010 to 27.11.2010 )                                              |
| 34 | Fire Safety                                               | Hyderabad<br>2-days                                                                                        |
| 35 | Concrete Fibre Composites, Special Concretes & Structures | Jawaharlal Nehru Technological College of Engineering KAKINADA<br>1 Days<br>(11-02-2008)                   |
| 36 | Testing of Building Materials                             | INSTRUCT, Bangalore<br>2 Days<br>(16-11-2007 and 17-11-2007)                                               |
| 37 | Pavement Design, Construction, Evaluation & Maintenance   | Department of Civil Engineering ,<br>Osmania University Hyderabad<br>2 Days<br>(26-12-2006 and 27-12-2006) |
| 38 | Value Education                                           | Academic Staff College , Osmania University Hyderabad<br>1 month<br>(02-12-2005 and 30-12-2005)            |
| 39 | Teaching and Training Technologies                        | Department of Civil Engineering,<br>Osmania University Hyderabad                                           |

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|    |                                                                        | 1 Days<br>(03-09-2005)                                                                                                                     |
| 40 | Social and Technical Aspects of Irrigation                             | Water And Land Management Training And Research Institute (WALAMTARI)<br>Himayat Sagar , Hyderabad<br>4 Days<br>(08-10-2001 to 11-10-2001) |
| 41 | Remote Sensing and GIS Applications for Irrigation                     | Water And Land Management Training And Research Institute (WALAMTARI)<br>Himayat Sagar, Hyderabad.<br>3 Days<br>(18-06-2001 to 20-06-2001) |
| 42 | Computer Applications                                                  | Dr. Marri Chenna Reddy, Human Resources Development Institute of A.P., Hyderabad<br>One week<br>(08-10-2001 to 11-10-2001)                 |
| 43 | Computer Applications                                                  | Water and Land Management Training and Research Institute<br>1 week<br>( 02.08.2000 to 08.08.2000)                                         |
| 43 | Mandatory Induction Training course of I & CAD Department, Govt. of AP | Water and Land Management Training and Research Institute<br>12 weeks<br>(09-12-1996 to 09-03-1997 )                                       |

#### 10. Conferences attended:

| Name of the Conference                                                                                  | Venue                             | Duration            |
|---------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------|
| 2nd International Conference on Emerging Trends in Engineering(ICETE)                                   | UCE/OU                            | 28-30 April 2023    |
| International Conference on Cement and Building Koncrete for a Sustainable and Resilient Infrastructure | NIT Warangal                      | 28-29 March 2023    |
| International Conference HYDRO 2019                                                                     | University College of Engineering | 18-20 December 2019 |

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| Two Day National Conference on Advanced Computing Applications in Civil Engineering (ACACE-2018)                         | CED, UCE (A), OU, Hyderabad               | 20-21 April 2018                      |
| Second International Conference on Innovations in Structural Engineering ( IC-ISE2017)                                   | Dept. of Civil Engg., UCE(A),OU           | 29-12-17 to 31.12.17                  |
| 62 <sup>nd</sup> Congress of The Indian Society of Theoretical and Applied Mechanics (ISTAM-20-17-An International Meet) | UCE (A), OU, Hyderabad                    | 15-12-17 to 18.12.17                  |
| International Conference on Innovations in Structural Engineering                                                        | University College of Engineering         | 3 days<br>( 14.12.2015 to 16.12.2015) |
| National Conference on Recent Research Advances in Civil Engineering                                                     | University College of Engineering         | 2 days<br>( 07.11.2014 to 08.11.2014) |
| Third International Symposium on Design, Performance and use of Self Compacting Concrete                                 | Xiamen, China                             | 4 days<br>( 05.06.2014 to 08.06.2014) |
| National Conference on Recent Advances in Civil Engineering                                                              | CMR Technical Campus                      | 1 day on 22-03-2014                   |
| National Conference on Advances in Civil Engineering and Infrastructure Development                                      | Vasavi College of Engineering Hyderabad   | 2 days<br>( 06.02.2014 to 07.02.2014) |
| International Conference on Emerging Trends in Civil Engineering                                                         | VNRVJIET Hyderabad                        | 3 days<br>( 06.01.2014 to 08.01.2014) |
| International Conference on Sustainable Construction Materials and Technologies                                          | National Institute of Technology Warangal | 2 days<br>( 15.03.2013 to 16.03.2013) |
| International Conference on Sustainability Challenges & Advances in Concrete Technology                                  | PSG College of Technology Coimbatore      | 3 days<br>( 02.05.2012 to 04.05.2012) |

#### 11. Workshops, Training Programs organized:

|   | Name                                                   | Member | Duration    |
|---|--------------------------------------------------------|--------|-------------|
| 1 | 24th National Level Technical Symposium – NIRMAAN-2025 | Head   | April, 2025 |

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|----|--------------------------------------------------------------------------------------|------------------|----------------------------------------------------|
| 2  | ATAL FDP “Fracture Mechanism of Concrete Structures”                                 | Coordinator      | One week<br>6-10 Dec 2021                          |
| 3  | Two Day National Conference on “Advanced Computing Applications In Civil Engineering | Co-coordinator   | 20-21 April 2018                                   |
| 4  | 17 <sup>th</sup> National Level Technical Symposium – NIRMAAN-2018                   | Students Advisor | 9 <sup>th</sup> & 10 <sup>th</sup> March, 2018     |
| 5  | NAAC Visit to Department                                                             | Coordinator      | 18 <sup>th</sup> August, 2017                      |
| 6  | One day Workshop on FINITE ELEMENT METHODS                                           | Convenor         | 30 <sup>th</sup> July 2017                         |
| 7  | Design of Tall Structures                                                            | Convenor         | 23 <sup>st</sup> and 24 <sup>nd</sup> January 2017 |
| 8  | Structural Health Monitoring and Condition Assessment of Existing Structures (2017)  | Convener         | 2 day                                              |
| 9  | Finite Element Methods (2016)                                                        | Convener         | 1-days                                             |
| 10 | Better Health Awareness and Life (2015)                                              | Co-Convener      | 1-days                                             |
| 11 | MSC-NASTRAN (2014)                                                                   | Convener         | 1 week                                             |
| 12 | Awareness and Empowerment of Women (2014)                                            | Co-Convener      | 1-days                                             |
| 13 | Mason’s Trainings Programme ( Community Service Programme ) 2006-2007                | Co-Convener      | 4 Days                                             |
| 14 | Auto Cad ( Community Service Programme ) 2006-2007                                   | Co-Convener      | 2 Days                                             |

## 12. Guest Lectures Delivered

| S. No | Title of the Lecture           | Title of Conference / Seminar / Others            | Other Details (Venue, organized by, dates etc)                                                                            |
|-------|--------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| 1     | Role of Admixtures in Concrete | Adani Cement Knowledge Initiative "Concrete Talk" | Radisson Blu, Hyderabad<br>23rd Jan 2025                                                                                  |
| 2     | Analysis of Column             | Expert Lecture                                    | Civil Engineering Department,<br>Guru Nanak Institute of<br>Technology, Ibrahimpatnam,<br>04 <sup>th</sup> March 2023     |
| 3     | Strength Aspects of Concrete   | Expert Lecture                                    | Civil Engineering Department,<br>Guru Nanak Institute of<br>Technology, Ibrahimpatnam,<br>04 <sup>th</sup> March 2023     |
| 4     | Chemistry of Concrete          | Expert Lecture                                    | Civil Engineering Department,<br>Guru Nanak Institute of<br>Technology, Ibrahimpatnam,<br>26 <sup>th</sup> September 2022 |
| 5     | Chemistry of                   | One week FDP on                                   | Organised by JNTUH,                                                                                                       |



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|---|-----------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
|   | Cement                                  | Advanced Applied Chemistry and Engineering Materials,  | Kukatpally, 12 <sup>TH</sup> to 17 <sup>TH</sup> Sep 2022                                                   |
| 6 | "Overview of Curriculum",               | Orientation Program                                    | Nawab Shah Alam Khan College of Engineering & Technology, Hyderabad, 3 <sup>rd</sup> Dec 2021               |
| 7 | Application of Self Compacting Concrete | One week FDP on Special Concrete and its Applications, | Civil Engineering Department, UCE, OU, 5 <sup>TH</sup> to 9 <sup>TH</sup> June 2020                         |
| 8 | Admixtures in Concrete                  | One day Webinar on Concretes                           | Civil Engineering Department Guru Nanak Institutions Technical Campus, Hyderabad, 4 <sup>th</sup> July 2020 |

### 13. International Journal Publications:

| S. No | Title of the Paper                                                                                                                | Journal details<br>(Journal Name, Volume, Issue, Year, Page No's, Impact factor)                                                                                                                                                                                                     |
|-------|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | N. S. Ajeesh Kumar K. L. Radhika, Thermodynamic Modeling of Cementitious Paste Containing Sugarcane Bagasse Ash and Rice Husk Ash | Springer Science and Business Media LLC, (pp. 77–88), 2024, <a href="https://doi.org/10.1007/978-981-99-7464-1_7">https://doi.org/10.1007/978-981-99-7464-1_7</a>                                                                                                                    |
| 2     | P.Anuradha,K.L.Radhika,,D.Annapurna Flexural behaviour of Hybrid and Graded Fibre Reinforced Concrete,                            | Low Carbon Materials and Technologies for Sustainable and Resilient Infrastructure, Lecture notes in Civil Engineering, Scopus Indexed Journal, Vol 44, (pp. 433–444), 2024, <a href="https://doi.org/10.1007/978-981-99-7464-1_7">https://doi.org/10.1007/978-981-99-7464-1_7</a> . |
| 3     | Sita Rama Prasad K.L.Radhika, Mass Irregularities in Conventional Slab System and Bubble Deck Slab System                         | International Journal of Propulsion Technology, ISSN:1001-4055, Vol.45 No.2, Pg 2991-3015, 2024                                                                                                                                                                                      |
| 4     | Harshad Hemanth Nerlekar K.L.Radhika, Analytical Study of Pre Engineered Building Subjected to Lateral Loads                      | International Journal of Propulsion Technology, ISSN:1001-4055, Vol.45 No.3, Pg 2652-2670, 2024                                                                                                                                                                                      |
| 5     | Yaqubi Ezatullah, D. Annapurna, K.L.Radhika, P.Anuradha, Seismic response of RC framed irregular structures,                      | Materials Today Proceedings, Page:530-537, Elsevier, 2023                                                                                                                                                                                                                            |
| 6     | Sita Rama Prasad, K.L.Radhika "Comparison on Stiffness Irregularities in Conventional Slab System and Bubble Deck Slab"           | International Journal of "European Chemical Bulletin", Volume 12, Special Issue 7, Page 1056-1080, Year 2023.                                                                                                                                                                        |
| 7     | K.L.Radhika, Chaitanya Varada Prasad Dynamic Analysis of a Tall Building                                                          | International Journal for Research in Applied Science & Engineering Technology, Volume 6, Issue II, Feb 2018                                                                                                                                                                         |
| 8     | K. L. Radhika, P. Anuradha, Chaitanya Varada Prasad Effect of                                                                     | International Journal for Research in Applied Science and Technology, Volume 8, Special                                                                                                                                                                                              |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Slope Combination on Dynamic Analysis of RCC Chimney,                                                                                                                | Issue 5, May 2018, pg. 157-163.                                                                                                                                                                                                                                              |
| 9  | K.L.Radhika, D.Nagasree "Strength and Durability of Self Curing Concrete using Recycled Aggregates "                                                                 | International Journal of Emerging Technology and Advanced Engineering, Volume 6, Issue II, April 2018, pg. 144-154                                                                                                                                                           |
| 10 | K.L.Radhika, D.Nagasree An Investigation of Strength and Durability Properties of Self Curing Concrete using Natural and Recycled coarse aggregate                   | International Journal of Creative Research Thoughts, Volume 6, Issue II, April 2018,ISSN:2320-2882, pg. 144-154                                                                                                                                                              |
| 11 | K.L.Radhika, K.Rakesh, R Varun "Experimental study on strength and durability characteristics of Nano Silica based concrete                                          | International Journal of Engineering Technology, Management and Applied Sciences, Volume 5 Issue 3, March 2017.                                                                                                                                                              |
| 12 | K.L.Radhika , K.Rakesh, R.Varun An Experimental Study on the Mechanical Properties of Nano Silica Based Recycled Aggregate Concrete                                  | International Journal of Engineering Technology Science and Research, Volume 4, Issue 3, March 2017                                                                                                                                                                          |
| 13 | K.L.Radhika , P.Anuradha "Study on Strength Characteristics of Fly-GBS Based Geopolymer Concrete using Crusher stone dust as Fine Aggregates                         | International Journal of Emerging Technology and Advanced Engineering, Vol 07, Issue 2, December 2017, pg. 487-493                                                                                                                                                           |
| 14 | Radhika, Sri Rama Chand, Rathish Kumar, Rakesh,Mix Model for Self-Compacting Concrete with Recycled Aggregate"                                                       | International Journal of Structures and Buildings, Proceedings of the Institution of Civil Engineers Structures and Buildings 170, February 2017, Issue SB2, Pages 131–142 <a href="http://dx.doi.org/10.1680/jstbu.16.00076">http://dx.doi.org/10.1680/jstbu.16.00076</a> . |
| 15 | K.L.Radhika, Hassan Ahmed "A Comparative study on Seismic Analysis of a Multistoried Building by Equivalent Static method and Response Spectrum method using ETABS", | Global Journal of Engineering Research and Technology, Vol 5, 2015, No.9, pg 1-9.                                                                                                                                                                                            |
| 16 | K.L.Radhika, P.Anuradha, "Mechanical properties of concrete containing Metakaolin and Flyash",                                                                       | International Journal of Earth Sciences and Engineering, Vol 07, August 2014, pg. 619-623.                                                                                                                                                                                   |
| 17 | K.L.Radhika, P.Rathish Kumar "Mix Design methodology for fibrous Self Compacting Concrete based on Compressible Packing Model",                                      | International Journal of Cement Wapno Beton" Vol XVII/LXXIX, No: 5, Nov 2012, pg 310-323.                                                                                                                                                                                    |
| 18 | K.L.Radhika, P.Rathish Kumar, "Fiber Reinforced Self Compacting Concrete (FRSCC) using Coarse Aggregate from Building Demolished Waste Performa",                    | Vol 40, No:4, Dec 2010.pg 1-10, Journal of International Association of Bridge and Structural Engineering (Bridge and Structural Engineering)                                                                                                                                |

**14. National Journal Publication:**

| <b>S. No</b> | <b>Title of the Paper</b>                                                                                                               | <b>Journal details<br/>(Journal Name, Volume, Issue, Year, Page No.)</b>                      |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| 1            | K.L.Radhika, P.Rathish Kumar<br>"Optimization of mix proportioning for Self Compacting Concretes using Particle Packing theories"       | Indian Concrete Journal, Vol913, April 2017<br>No.4, Pg 20-31.                                |
| 2            | K.L.Radhika, P.Rathish Kumar,<br>"Compressible Packing Model (CPM) - An Alternate Mix Design Methodology for Self Compacting Concrete", | Journal of Civil Engineering and Construction Review. Vol 27, September 2014, No.9, Pg 78-86. |
| 3            | K.L.Radhika, P.Rathish Kumar,<br>"Performance studies on Standard and High strength Self Compacting Concretes",                         | Journal of Indian Concrete Institute. Vol 13<br>July-September 2012 No.2, Pg 7-12.            |

**15. International Conference Proceedings**

| <b>S. No</b> | <b>Title of the Paper</b>                                                                                                                                              | <b>Conference details<br/>(Name, Dates, Place and ISSN/ISBN)</b>                                                                                                                                                |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1            | P.Anuradha, KLRadhika, Annapurna<br>"Flexural Behaviour of Hybrid and Graded Fiber Reinforced Concrete"                                                                | International Conference on "Cement and Building Concrete for a Sustainable and Resilient Infrastructure", CBKR 2023, 28-29 March 2023, NIT Warangal, Proceedings pg 26-29.                                     |
| 2            | K.L.Radhika and N.S.Ajeesh Kumar<br>"Thermodynamic Modelling of Cementitious Paste Containing Sugarcane Bagasse Ash and Rice Husk Ash",                                | International Conference on "Cement and Building Concrete for a Sustainable and Resilient Infrastructure", CBKR 2023, 28-29 March 2023, NIT Warangal, Proceedings pg 32-34.                                     |
| 3            | D.Annapurna, P.Anuradha, K.L.Radhika<br>"Seismic Response of RC Framed Irregular Structures",                                                                          | International UKIERI Concrete Congress, Jalandhar 14 -17 March 2023.                                                                                                                                            |
| 4            | Rakesh, Siempu, Radhika K L Rathish Kumar P<br>"A Study On Bond Slip Mechanism In Glass Fiber Reinforced Self Compacting Concrete",                                    | UKIERI Concrete Congress; Concrete Research Driving Profit and Sustainability, 2 <sup>nd</sup> – 5 <sup>th</sup> November, 2015, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. |
| 5            | Radhika K L, Rakesh Siempu, Rathish Kumar P, Sumanth Reddy C<br>"A Study on the Influence of Grade of Concrete on the Pull out Behaviour of Self Compacting Concrete", | UKIERI Concrete Congress; Concrete Research Driving Profit and Sustainability, 2 <sup>nd</sup> – 5 <sup>th</sup> November, 2015, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab, India. |
| 6            | K.L.Radhika, P.Rathish Kumar<br>"Mix proportioning of Self Compacting Concretes based on compressible packing model",                                                  | The third International Symposium on Design, Performance and use of Self Compacting Concrete" Xiamen, China, 5-8 June 2014, ISBN: 978-2-35158-143-8.                                                            |
| 7            | K.L.Radhika, P.Surendhar<br>"Influence of Exogeneous factors on                                                                                                        | International Conference on "Emerging Trends in Civil Engineering" VNRVJITE,                                                                                                                                    |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Assessment of a Project by using PESTAL analysis”,                                                                                                  | Hyderabad, January 2014.Proceedings pg 626-634. ISBN:978-81-7800-294-1                                                                              |
| 8  | K.L.Radhika, K.Kishore "A study on Mechanical properties of Bacterial concrete”, International Conference on “Emerging Trends in Civil Engineering” | VNRVJITE, Hyderabad, January 2014.Proceedings pg 311-316. ISBN:978-81-7800-294-1                                                                    |
| 9  | K.L.Radhika, P.Anuradha “Mechanical properties of concrete containing Metakaolin and Flyash”                                                        | International Conference on “Emerging Trends in Civil Engineering” VNRVJITE, Hyderabad, January 2014.Proceedings pg 296-302. ISBN:978-81-7800-294-1 |
| 10 | K.L.Radhika, P.Anuradha, “Basic Investigations on mechanical properties of Glass fiber reinforced concrete”,                                        | International Conference on “Emerging Trends in Civil Engineering” VNRVJITE, Hyderabad, January 2014.Proceedings pg 261-267. ISBN:978-81-7800-294-1 |
| 11 | K.L.Radhika, P.Rathish Kumar “Compressible Packing Model – A method to estimate Packing density in Self Compacting Concretes”                       | International Conference on Sustainability Challenges and Advances in Concrete Technology, Coimbatore, 2-4 May 2012, pg 260-265.                    |

#### 16. National Conference Proceedings:

| S. No | Title of the Paper                                                                                                                                          | Conference details                                                                                                                                                                                                 |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | K.L.Radhika, Sirigiri Sowmya “A Comparative Study on Seismic Analysis of Irregular Framed Structure with Bare Frame, Open Ground Storey and Infilled Frame” | National Conference on Advanced Computing Applications in Civil Engineering”, University College of Engineering, Osmania University, Hyderabad, 20-21 April 2018, Proceedings pg 187-192, ISBN: 978-93-87593-22-0. |
| 2     | , K.L.Radhika, P.Anuradha Chaitanya Vara Prasad “Effect of Slope Combinations on Dynamic Analysis of RCC Chimney”                                           | National Conference on Advanced Computing Applications in Civil Engineering”, University College of Engineering, Osmania University, Hyderabad, 20-21 April 2018, Proceedings pg 187-192, ISBN: 978-93-87593-22-0. |
| 3     | K.L.Radhika, Rakesh Siempu, Rathish Kumar “Influence of bar properties on bond strength of fiber reinforced self compacting concrete”                       | National Conference on “Modern Concretes – Driving Profit and Sustainability” (MCDPAS-2016) ,26 & 27 August 2016, VNRVJITE, Hyderabad.                                                                             |
| 4     | K.L.Radhika, P.Anuradha, B.Rajavardhan “Behaviour of Carbide Waste Concrete at Elevated Temperatures”                                                       | National Conference on Sustainable Materials and Management systems in Civil Engineering, CBIT, Hyderabad, 15-16 December 2016, pg 363-367.                                                                        |
| 5     | K.L.Radhika, P.Rathish Kumar, “An Experimental study on Bond behaviour of Self Compacting concrete”                                                         | Paper published at All India Seminar on “New Developments in use of alternate materials for concrete”, AMCON-2015, 13-14 March 2015, Indian Concrete Institute, Nagpur Centre, Nagpur, Maharashtra, India.         |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6  | K.L.Radhika, Uma Chandhra "A Study on Analysis and Design of Preheater Building Using RTDS Sensors",                                                                                       | National conference on "Sustainable Infrastructure Development - 2015"(NCSID-2015), National Institute of Technical Teachers Training & Research, Chandigarh, 26 & 27 Febraury 2015. ISBN: 978-93-83842-26-1.  |
| 7  | K.L.Radhika, P.Anuradha "Effect of Nano Silica on Mechanical Properties of Conventional Concrete",                                                                                         | National conference on "Sustainable Infrastructure Development - 2015"(NCSID-2015), National Institute of Technical Teachers Training & Research, Chandigarh, 26 & 27 Febraury 2015. ISBN: 978-93-83842-26-1.  |
| 8  | K.L.Radhika, P.Anuradha, M Naresh "Analysis of Beam column joint using Finite Element Approach"                                                                                            | National conference on "Recent Research Advances in Civil Engineering", University College of Engineering, Osmania University , Hyderabad, 7-8 November 2014, Proceedings pg 450-459, ISBN: 978-93-83635-36-8. |
| 9  | K.L.Radhika, P.Anuradha, B.Srinivas "Study on Strength characteristics of Fibre reinforced Geopolymer concrete composite containing lathe scrap withcrusher stone dust as fine aggregate", | National conference on "Recent Advances in Civil Engineering" CMR Technical campus, Hyderabad, 22nd March 2014, Proceedings pg 8-14. ISBN:978-81-929195-0-8.                                                   |
| 10 | K.L.Radhika An experimental study on mechanical properties of fiber reinforced self compacting concrete with two different fibers",                                                        | National conference on "Sustainable Infrastructure Development"(NCSID), National Institute of Technical Teachers Training & Research,Chandigarh,13 & 14 March 2014. ISBN: 978-93-83842-26-1.                   |
| 11 | K.L.Radhika, P.Anuradha "Analysis of Interior Beam column joint using Finite Element Approach",                                                                                            | National conference on "Recent Advances in Civil Engineering" CMR Technical campus, Hyderabad, 22nd March 2014, Proceedings pg 1-7. ISBN: 978-81-929195-0-8.                                                   |
| 12 | K.L.Radhika "Influence of Fine aggregate to Total aggregate ratio on Mechanical properties of Self Compacting Concrete"                                                                    | National Conference on "Advances in Civil Engineering and Infrastructure Development" Vasavi College of Engineering, Hyderabad, 6 & 7 February 2014,Proceedings pg 76-80.ISBN:978-93-82570-19-6.               |
| 13 | L.R.M.Prasad, M.V.L.Prasad and K.L.Radhika "An experimental study on mechanical properties of Fiber Reinforced SCC with steel fiber",                                                      | National Conference on "Recent Advances in Civil Engineering" Osmania University , Hyderabad, June 2013.Proceedings pg 331- 335. ISBN:978-93-82880-61-5                                                        |
| 14 | K.L.Radhika, Praveen Kumar "A comparative study on mechanical properties of normal vibrated concrete and SCC                                                                               | National Conference on "Recent Advances in Civil Engineering" Osmania University, Hyderabad, June 2013.Proceedings pg 447-454. ISBN:978-93-82880-61-5                                                          |

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|----|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 15 | K.L.Radhika, P.Rathish Kumar<br>"Mix Design methodology for Self Compacting Concrete based on Compressible Packing Model" | National Conference on Sustainable Construction Material and Technologies, NIT Warangal, 15-16 March 2013. Proceedings pg 122-129.                     |
| 16 | K.L.Radhika, S.Gangaram<br>"An experimental study on impact of acid attack on strength characteristics of SCC"            | National Conference on "Recent Advances in Civil Engineering" Osmania University, Hyderabad, June 2013. Proceedings pg 369-391. ISBN:978-93-82880-61-5 |
| 17 | K.L.Radhika, P.Rathish Kumar,<br>"Developing Standard Grade Self Compacting Concrete using Blended Cement"                | National Conference on Advances in Earth Sciences, Structural, Geotechnical and Earthquake Engineering, CBIT, Hyderabad, 4-5 October 2012, pg 387-396. |

### 15. Projects Guided:

PhD Students - 6nos (ongoing)

ME (SE) : 65 students

B.E. : 24 batches (96 students)

### 16. Reviewer

- Reviewer "Journal of Structural Engineering, SERC".

- Reviewed six papers in 2nd International Conference on Emerging Trends in Engineering (ICETE), UCE, OU, Hyderabad

### 17. Award Received

Vishweshwaraiah Memorial Award – Sep 2022 on the occasion of Engineers Day celebrations, Awarded by Megacity Navakala Vedika, Hyderabad, Telangana State.

### 18. Memberships:

- Life Member in Indian Institute of Bridge Engineering
- Association of Consulting Civil Engineering

### 19. Consultancy Services

Actively involved in generating funds to the department in terms of consultancy services

### 20. Administrative Experience:

| S. No | Positions Held                          | UCE                | OU | From       | To        |
|-------|-----------------------------------------|--------------------|----|------------|-----------|
| 1     | Head, Civil Engineering Department      | UCE                | -  | Aug 2024   | Till date |
| 2     | I/C Chief Engineer                      | -                  | OU | Aug 2023   | Till date |
| 3     | State Level Expert Appraisal Committee. | Govt. of Telangana |    | March 2024 | Till date |
| 4     | Member- University Land                 |                    | OU | Feb 2024   | Till date |

|    |                                                                                                                   |         |    |              |              |
|----|-------------------------------------------------------------------------------------------------------------------|---------|----|--------------|--------------|
|    | Inspection Committee on Irregularities, Osmania University,                                                       |         |    |              |              |
| 5  | Department Research Committee Member, Civil Engineering Department,                                               | CED/UCE |    |              | Till date    |
| 6  | Departmental Committee member, Civil Engineering Department,                                                      | UCE/OU  |    | 2013         | Till date    |
| 7  | Reviewer "Journal of Structural Engineering, SERC                                                                 |         |    | Dec 2023     | Till date    |
| 8  | Governing Body Member, OU Nominee, Avinash College of Commerce, Secunderabad,                                     |         |    | March 2024   | March 2026   |
| 9  | Governing Body Member, OU Nominee, B.S.Bugudi B.Ed College, Tandur, Vikarabad Dist.                               |         |    | June 2024    | June 2026    |
| 10 | Governing Body Member, OU Nominee, MNR College of Pharmacy,                                                       |         |    | May 2023     | May 2025     |
| 11 | Selection Committee Member- OU Nominee, CSI College of Education, Medak, Telangana State,                         |         |    | April 2024   | April 2026   |
| 12 | Advisory Committee Member - Maha Laqa Bai Chanda Centre for Women Studies, Osmania University, since October 2023 |         | OU | October 2023 | October 2024 |
| 13 | Governing Body Member, OU Nominee, Aurora's Degree & PG College, Hyderabad,                                       |         |    | April 2024   | April 2026   |
| 14 | Governing Body Member, OU Nominee, Neelam Sanjeeva Reddy College of Education, Hyderabad, Jan 2024-2026.          |         |    | Jan 2024     | Jan 2026.    |
| 15 | Governing Body Member, OU Nominee, St Ann's Educational Society, Malkajgiri, Secunderabad,                        |         |    | June 2023    | June 2025    |
| 16 | IQAC member, St Ann's Degree Collage for Women, Secunderabad,                                                     |         |    | Dec 2023     | Dec 2025     |
| 17 | Governing Body Member, OU Nominee, Andhra Mahila Sabha - School of Informatics,                                   |         |    | May 2023     | May 2025     |

|     |                                                                                           |               |  |                                |           |
|-----|-------------------------------------------------------------------------------------------|---------------|--|--------------------------------|-----------|
|     | Hyderabad, May 2023-2025                                                                  |               |  |                                |           |
| 18  | Department Research Committee Member, Anurag University, Hyderabad, since 2022 till date. |               |  | 2022                           | 2024      |
| 19  | Board of Studies member – Nawab Shah Alam Khan College of Engineering & Technology        |               |  | Aug 2024                       | Aug 2025  |
| 20  | Board of Studies member, LORDS College of Engineering and Technology, Hyderabad.          |               |  | May 2022                       | May 2024  |
| 21  | Member- Board of Studies, GNIT, Hyderabad                                                 |               |  | Oct 2022                       | Till date |
| 222 | Board of Studies member, JBIET Hyderabad                                                  |               |  | Oct 2022                       | Oct 2023  |
| 23  | Member-Women Empowerment Cell Committee                                                   | UCE           |  | 2019                           | Till date |
| 24  | Member- Internal Complaints Committee                                                     | UCE           |  | 2018                           | Till date |
| 25  | Board of Studies member – Chaitanya Bharathi Institute of Technology, Hyderabad           |               |  | April 21                       | April 24  |
| 26  | Technical Committee Member, UGC, Ministry of Education.                                   | Govt of India |  | 2019                           | 2022      |
| 27  | Chairperson , Board of Studies (Global), Osmania University                               | CED/UCE       |  | Oct 2020                       | Oct 2022  |
| 28  | NBA Coordinator for Structural Engineering Specialization                                 | CED/UCE       |  | consecutiv<br>ely from<br>2013 | 2021      |
| 29  | Director, Industrial Development Incubation Center (IDIC) March 2019 to May 2021          | UCE           |  | Mar 2019                       | May 2021  |
| 30  | Special Officer, Infra Structure..                                                        | UCE           |  | 2012                           | 2019      |
| 31  | Member - Women's Welfare Committee                                                        | UCE           |  | <b>2010</b>                    | 2018      |
| 32  | Member- Committee to look into Development Activities of Technology Development Center    | UCE           |  | 1 year                         |           |
| 33  | Incharge ME / M Tech. (Regular & PTPG) examinations.                                      | CED/UCE       |  | 6 years                        |           |
| 34  | Incharge ME / M Tech. (Regular & PTPG) attendance.                                        | CED/UCE       |  | 6years                         |           |
| 35  | Department Convener, ME / M Tech Admissions (Regular & PTPG).                             | CED/UCE       |  | 3years                         |           |
| 36  | Incharge, Department Seminar Library                                                      | CED/UCE       |  | 3years                         |           |



|    |                                                                                                                                      |         |  |                 |  |
|----|--------------------------------------------------------------------------------------------------------------------------------------|---------|--|-----------------|--|
| 37 | Incharge, Structural Engineering Laboratory.                                                                                         | CED/UCE |  | 2years 8 months |  |
| 38 | Member, Disposal of Scrap Committee                                                                                                  | UCE     |  |                 |  |
| 39 | Member, Committee to study the boundaries of Electrical Engineering Department                                                       | UCE     |  |                 |  |
| 40 | Member, Committee to consider rationalization of outsourcing of Gardening, Security and Scavenging.                                  | UCE     |  |                 |  |
| 41 | Member, Committee to verify and look into the justification of place requirement on Department of Electrical Engineering Department. | UCE     |  |                 |  |
| 42 | Member, Committee to inspect Electrical Engineering Department                                                                       | UCE     |  |                 |  |

**Prof. K.L.Radhika**