

## Curriculum Vitae (CV)

|                          |   |   |
|--------------------------|---|---|
| <b>Name</b>              | : | <b>Chidananda G</b>   |
| <b>Designation</b>       | : | Professor   |
| <b>Official Address</b>  | : | Department of Civil Engineering<br>Bapuji Institute of Engineering and Technology<br>Davangere – 577 004, Karnataka                             |
| <b>Permanent Address</b> | : | Chidananda G<br>#1046, 9 <sup>th</sup> Cross<br>Taralabalu Extension<br>Davangere – 577 005<br>Karnataka  |
| <b>Contact Number</b>    | : | Mobile : (+91) 94801 75764  |
| <b>e mail id</b>         | : | <a href="mailto:chidanandag@gmail.com">chidanandag@gmail.com</a>  |
| <b>Google Scholar ID</b> | : | <a href="https://scholar.google.com/citations?hl=en&amp;user=rCmVMgIAAAAJ">https://scholar.google.com/citations?hl=en&amp;user=rCmVMgIAAAAJ</a> |
| <b>ORCID ID</b>          | : | <a href="https://orcid.org/0000-0002-8906-7994">https://orcid.org/0000-0002-8906-7994</a>   |
| <b>VIDWAN ID</b>         | : | 182315  |

### Academic Records

#### 1. Ph.D.

|                            |   |  |
|----------------------------|---|--|
| <b>Year of Award</b>       | : | 09 – 01 – 2018   |
| <b>Discipline</b>          | : | Civil Engineering  |
| <b>Specialization</b>      | : | Fracture Mechanics of Concrete   |
| <b>Title of the Thesis</b> | : | Evaluation of Shear Strength of Longitudinally Reinforced Concrete Beams using Fracture Mechanics Approach     |
| <b>Guide</b>               | : | Dr. S Raviraj<br>Professor of Civil Engineering  |
| <b>Research Centre</b>     | : | Department of Civil Engineering<br>Sri Jayachamarajendra College of Engineering<br>Mysuru – 570 006, Karnataka |
| <b>University</b>          | : | Visvesvaraya Technological University, Belagavi, Karnataka   |

#### 2. M. Tech.

|                                  |   |   |
|----------------------------------|---|---|
| <b>Duration</b>                  | : | 2007 – 2009   |
| <b>Discipline</b>                | : | Civil Engineering   |
| <b>Specialization</b>            | : | Industrial Structures   |
| <b>Institution</b>               | : | Sri Jayachamarajendra College of Engineering<br>Mysuru – 570 006, Karnataka               |
| <b>University</b>                | : | Visvesvaraya Technological University, Belagavi, Karnataka                                |
| <b>Percentage</b>                | : | 86.2 %<br>Secured First rank and obtained one gold medal                                  |
| <b>Title of the project work</b> | : | Study on Influence of Bond in Reinforced Concrete Beams using Fracture Mechanics Approach |

### 3. B. E.

|                                  |   |  |
|----------------------------------|---|--|
| <b>Duration</b>                  | : | 2003 – 2007  |
| <b>Discipline</b>                | : | Civil Engineering  |
| <b>Institution</b>               | : | Bapuji Institute of Engineering and Technology<br>Davangere – 577 005, Karnataka |
| <b>University</b>                | : | Visvesvaraya Technological University, Belagavi, Karnataka                       |
| <b>Percentage</b>                | : | 86.83 %<br>Secured First rank and obtained seven gold medals                     |
| <b>Title of the project work</b> | : | Study on Strength Behaviour of Different Grades of Cement                        |

### Competitive Examinations Record

1. Secured All India Rank : 731 Rank in GATE in 2007.
2. Shortlisted for National Thermal Power Corporation (NTPC) Limited.

### Professional Experience

| <b>Designation</b>  | <b>From</b>    | <b>To</b>      | <b>College</b>             |
|---------------------|----------------|----------------|----------------------------|
| Lecturer            | 01 – 09 – 2009 | 31 – 08 – 2012 | Dept. of Civil Engg., BIET |
| Assistant Professor | 01 – 09 – 2012 | 31 – 07 – 2019 | Dept. of Civil Engg., BIET |
| Associate Professor | 01 – 07 – 2019 | 31 – 01 – 2024 | Dept. of Civil Engg., BIET |
| Professor           | 01 – 02 – 2024 | Till today     | Dept. of Civil Engg., BIET |

### Software Known

1. AUTO CAD
2. STAAD Pro.
3. ATENA
4. Origin Pro.
5. C and C++

### Workshops / FDPs Attended

1. Attended continuing education programme on “Fracture Mechanics of Concrete and Applications”, organized by Department of Civil Engineering, IIT – Madras from 12<sup>th</sup> to 18<sup>th</sup> July 2011.
2. Attended two days workshop on “Research Methodologies and Latex”, organized by VTU e-learning centre, Mysuru at Vidyavardaka College of Engineering, Mysuru on 21<sup>st</sup> and 22<sup>nd</sup> November 2011.
3. Attended one day national workshop on “Recent Advances in Geotechnics for Infrastrucutre RAGI – 2014” at Department of Civil Engineering, Sri Jayachamarajendra College of Engineering, Mysuru on 15<sup>th</sup> March 2014.

4. Attended one day FDP on “Alternative Building Materials in Construction” at Department of Civil Engineering, Channabasaveshwara Institute of Technology, Gubbi, Karnataka on 23<sup>rd</sup> July 2018.
5. Attended two days national conference on “National Conference on Emerging Trends in Engineering Research and Management (NCETERM) – Delta” on 26<sup>th</sup> and 27<sup>th</sup> October 2018 at GMIT, Davangere as “Session Chair and Jury”.
6. Attended three days FDP Programme on “Recent Trends in Environmental Impact Assessment – Process & Procedures at Department of Civil Engineering, BIET, Davangere from 17<sup>th</sup> to 19<sup>th</sup> January 2019.
7. Attended three days FDP on “Total Station and E-Surveying” at Department of Civil Engineering, GMIT, Davangere from 2<sup>nd</sup> to 4<sup>th</sup> of April 2019.
8. Attended five days FDP on “Implementation of Outcome Based Education in Higher Educational Institutions” at SIT, Tumkur from 8<sup>th</sup> to 12<sup>th</sup> of July 2019.
9. Attended three days National Seminar on “Construction and Demolition Waste Management (Eco–Construction) and Exhibition : URBANACE–2019” organized by ACCE (I)–Davangere Centre at BIET, Davangere from 8<sup>th</sup> to 10<sup>th</sup> of August 2019.

### **Membership to Institutions / Professional Bodies**

1. Member of Indian Society for Technical Education (ISTE) with Membership No. LM 70931.
2. Member of Institute for Research Development and Training of Construction Trades and Management (INSTRUCT) with Membership No. LM 452.
3. Member of The Institution of Engineers (India) with Membership No. M–165350–9.
4. Member of Association of Consulting Civil Engineers (India) [ACCE (I)] with Membership No. 5099–L.

### **List of Articles Published in Journals / Conferences**

1. Chidananda G and Raviraj S (2016), “Prediction of Shear Strength of Slender RC Beams without Shear Reinforcement by Standard Codes of Practice”, International Research Journal of Engineering and Technology (IRJET), Vol. 3, No. 4, pp. 1844–1854.
2. Chidananda G and Raviraj S (2016), “Prediction of Shear Strength of Slender RC Beams without Shear Reinforcement”, International Journal of Research in Engineering and Technology (IJRET), Vol. 5, No. 4, pp. 82–88.
3. Chidananda G and Raviraj S (2016), “Evaluation of Shear Strength of Slender RC Beams without Shear Reinforcement”, Proceedings of Second International Conference on Recent

Advances in Engineering Sciences at M.S. Ramaiah Institute of Technology, Bengaluru, Karnataka.

4. Hiremath S B, Raghu M E and Chidananda G (2018), “Effect of Setback Ratio on Seismic Performance of RC Structures”, International Research Journal of Engineering and Technology (IRJET), Vol. 5, No. 7, pp. 157–164.
5. Navyashree N, Chidananda G and Shiva Kumar M N (2018), “Seismic and Wind Analyses of RC Tall Structures with Shear Walls And Bracings”, International Research Journal of Engineering and Technology (IRJET), Vol. 5, No. 7, pp. 1031–1041.
6. Neema B R, Shreyas S C and Chidananda G (2018), “Effect of Connection Rigidity on Seismic Performance of Multistoreyed Steel Frames”, International Research Journal of Engineering and Technology (IRJET), Vol. 5, No. 7, pp. 1125–1134.
7. Sushma B M and Chidananda G (2019), “A Comparative Study on Performance of Tall Structural Systems for Seismic and Wind Loads”, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. 5, No. 7, pp. 46 – 53.
8. Ahkilesh B M, Chidananda G and Raghu M E (2019), “A Comparative Study on Performance of Conventional and Pre-Engineered Steel Frames”, International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES), Vol. 5, No. 7, pp. 62–71.
9. Haseebulla M M and Chidananda G (2019), “An Experimental Study on Strength and Durability Characteristics of Concrete Made of Glass Powder”, International Research Journal of Engineering and Technology (IRJET), Vol. 6, No. 7, pp. 2349–2354.
10. Harish R Olekar and Chidananda G (2020), “A Study on Effect of Aspect Ratio on RC Frames Subjected to Seismic and Wind Loads”, International Research Journal of Engineering and Technology (IRJET), Vol. 7, No. 8, pp. 1859–1867.
11. Salim R and Chidananda G (2020), “A Comparative Study on Seismic Performance of Conventional and Monolithic RC Structures”, International Research Journal of Engineering and Technology (IRJET), Vol. 7, No. 8, pp. 1878–1884.
12. Bhoomika K V and Chidananda G (2021), “An Experimental Study on Physical characteristics of Eco-Friendly Blocks”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 10, No. 9, pp. 12738 – 12744.
13. Suma Bai R and Chidananda G (2021), “Influence of Different Curing Methods on the Performance of M30 Grade Concrete”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 10, No. 9, pp. 12756 – 12761.
14. Chidananda G, Rakesh A C, Shreenidhi S V, Monica R S and Shrikanth Gowda Patil S (2021), “Mechanical and Durability Characteristics of Eco-Friendly Fly Ash Bricks”,

International Journal for Research in Applied Science & Engineering Technology (IJRASET). Vol. 9, No. 11, pp. 1381 – 1385.

15. Chidananda G, Prabhudeva N J, Sharath M, Nikhitha S S and Irshad Ahmed Bhavikatti (2021), “Effect of Curing Methods on Strength and Durability Properties of M30 Grade Concrete”, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Vol. 10, No. 9, pp. 1386 – 1389.

### **MOOCS Courses Taken**

1. Completed Eight week SWAYAM course offered by NPTEL from August to October 2019 on “Accreditation and Outcome Based Learning” with an “Elite + Gold” certificate.
2. Completed Sixteen week ARPIT course on “Pedagogical Innovations and Research Methodology” offered by SWAYAM from October 2019 to January 2020 with “A” grade.
3. Completed Four week SWAYAM course offered by NPTEL from September to October 2020 on “Reinforced Concrete Road Bridges” with an “Elite + Gold” certificate.
4. Completed Eight week SWAYAM course offered by NITTTR, Chennai from September to November 2020 on “Integrating Educational Technology into Teaching” with a consolidated score of 80%.
5. Completed Twelve week SWAYAM course offered by NPTEL from January to April 2021 on “Maintenance and Repair of Concrete Structures” with an “Elite + Silver” certificate.
6. Completed Twelve week SWAYAM course offered by NPTEL from July to September 2021 on “Sustainable Engineering Concepts and Life Cycle Analysis” with an “Elite” certificate.
7. Completed Twelve week SWAYAM course offered by NPTEL from July to August 2021 on “Patent Drafting for Beginners” with an “Elite” certificate.
8. Completed Sixteen week ARPIT course on “Sustainable Construction Materials and Techniques” offered by SWAYAM from December 2020 to March 2021 with “A” grade.
9. Completed Sixteen week ARPIT course on “Leadership and Governance in Higher Education. Level 2” offered by SWAYAM from December 2020 to March 2021 with “A” grade.

### **Online FDP/STTP Attended**

1. Attended Two days national web conference on “Creating Infrastructure digital Twin and digital construction Technology” organized by CADD Centre and Bentley Institute on 29<sup>th</sup> and 30<sup>th</sup> of April 2020.
2. Attended Three days online FDP on “Current Research Avenues in Civil Engineering” organized by Tontadarya College of Engineering, Gadag from 29<sup>th</sup> to 31<sup>st</sup> of May 2020.

3. Attended One week online FDP on “NBA and NAAC Accreditation Process” organized by MSRIT, Bengaluru from 4<sup>th</sup> to 8<sup>th</sup> of June 2020.
4. Attended One week online FDP on “Structural Health Monitoring and its Implications” organized by BMSCE, Bengaluru from 15<sup>th</sup> to 19<sup>th</sup> of June 2020.
5. Attended 5 days online short term course on “Machine Learning an its Application to Civil Engineering (MLACE 2020) organized by Department of Civil Engineering, NIT–Srinagar from 2<sup>nd</sup> to 6<sup>th</sup> of November 2020.
6. Attended two days international webinar on “Forensic Engineering & Underground Urban Rail Infrastructure” organized by Department of Civil Engineering, JIT, Davangere on 27<sup>th</sup> and 28<sup>th</sup> of November 2020.
7. Attended FDP on “Virtual Labs for Affiliated Engineering Colleges under VTU Belagavi organized by VTU in association with NIT Surathkal on 19<sup>th</sup> October 2020.
8. Completed the AICTE-ISTE approved Orientation/Refresher Programme on “Accreditation: An Accelerator for Quality Improvement in Engineering Education” held during 7.12.2020 to 12.12.2020 organized by SDM College of Engineering and Technology, Dharwad, Karnataka.

## **Funded Projects Executed**

### **1. Year 2020**

| USN        | Name of the Student (UG) | Project Title  | Sponsoring Agency | Amount Sanctioned (in Rs.) |
|------------|--------------------------|--|-------------------|----------------------------|
| 4BD16CV123 | Yashwanth P V            | Performance Characteristics of Concrete with Alccofine – An Experimental Study | VTU               | 5,000                      |
| 4BD16CV125 | Achyut A V               |  |                   |                            |
| 4BD16CV127 | Jyoti Kotaragasti        |  |                   |                            |
| 4BD17CV429 | Siddarama K V            |  |                   |                            |

### **2. Year 2021**

| USN        | Name of the Student (UG) | Project Title  | Sponsoring Agency | Amount Sanctioned (in Rs.) |
|------------|--------------------------|--|-------------------|----------------------------|
| 4BD17CV074 | Rakesh A C               | Mechanical And Durability Characteristics Of Eco-Friendly Fly Ash Bricks – An Experimental Study | KSCST             | 5,500                      |
| 4BD17CV094 | Shreenidhi S V           |  |                   |                            |
| 4BD17CV120 | Monica R S               |  |                   |                            |
| 4BD18CV426 | Srikanth Gowda Patil S   |  |                   |                            |
| 4BD14CV077 | Prabhudeva N J           | Effect of Curing Methods on Strength and Durability Properties of M30 Grade Concrete             | BIET              | 5,000                      |
| 4BD15CV098 | Sharath M                |  |                   |                            |
| 4BD16CV062 | Nikhitha S S             |  |                   |                            |
| 4BD17CV410 | Irshad Ahmed Bhavikatti  |  |                   |                            |

### **3. R & D Projects**

| Project Title  | Sponsoring Agency        | Amount (in Rs.) | Year      | Remarks                      |
|--|--------------------------|-----------------|-----------|------------------------------|
| Applications of Industrial By-products for the Development of Eco-friendly Sustainable Concretes | NAIN, Govt. of Karnataka | 2,05,000        | 2019-2020 | Project selected for funding |
| Durability Evaluation of Structural Concrete for Sustainable Development                         | VTU under RPS            | 25,00,000       | 2021      | Proposal submitted           |

### **FDP / STTP / Conference / Workshop Organized**

Organized 3 days webinar on “Concepts and Practices in Civil Engineering” from 07.06.2021 to 09.06.2021