



Amudhan V

Assistant Professor (SS), Department of Civil Engineering
Hindustan Institute of
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Mobile: +91 7358755368

Teaching & Industrial Experience: 6 Years

Specialization: Structural Engineering

Research area: Seismic Analysis of Structures / Prestressed Concrete/Tall Structures /Static and Dynamic Analysis of Structures & Structural Elements

ACADEMIC PROFILE

Teaching Expertise: Design of Concrete Structures, Prestressed Concrete, Strength of Materials, Surveying & Levelling, Engineering Mechanics, Mechanics of Structures.

RESEARCH AND STUDENT PROJECTS

- High Density Plastic Bricks
- High Strength Concrete – M60
- Seismic Analysis of Railway Bridge Using Abaqus.
- Passive Damper for Structural Components.
- GGBS Concrete for Structural Components
- Shape Memory Alloy Damping System

NOTABLE ACHIEVEMENTS

- ❖ International patent in the Title of “A PASSIVE VIBRATIONAL CONTROL SYSTEM FOR SEISMIC LATERAL SUPPORT SYSTEM OF STRUCTURES”.
- ❖ International patent in the Title of “A DEVICE FOR CAPTURING VARIABLE ANKLE INJURY USING NFC”.
- ❖ Received International Full Scholarship “Presidential Scholarship” from Zhengzhou University, Mainland China for pursuing the doctoral degree for the period of 2018-2022.

AWARDS RECEIVED

❖ Young Scientist Award

Program Name: Young Scientist India-2018

Organizer: Spacekidz India Organization, Chennai “Education through Travel”
Research paper entitled “HIGH DENSITY PLASTICS BRICKS”

❖ Best Teacher Award

Received Best Teacher Award – October, 2021 from Lions Club Chennai

PUBLICATIONS

PAPER PUBLISHED IN SCOPUS INDEXED JOURNAL

- “BEHAVIOR OF COMPOSITE COLUMN WITH STEEL INNER TUBE SUBJECTED TO THE LATERAL LOADING”, PENSEE Journal, volume 51, Issue 01 – 2021, ISSN: 0031-4773.
- MECHANICAL PROPERTIES OF HIGH VOLUME GGBS CONCRETE WITH MICRO AND NANO SILICA”, International Journal of Civil Engineering and Technology (IJCIET) Volume 6, Issue 7, Jul 2015, pp. 80-92, Article ID: IJCIET_06_07_010
- Research paper entitled “EXPERIMENTAL INVESTIGATION ON PARTIAL REPLACEMENT OF CEMENT WITH MARBLE POWDER” Authored by “V. Amudhan, Vinodhini Ellappan, Prathik. E and Ebenezer Stephen. A” had been reviewed by the Editorial Board and published in “International Journal of Civil Engineering & Technology (IJCIET), Volume 9, pp. 741–750, ISSN Print: 0976-6308 and ISSN Online: 0976-6316; Journal Impact Factor (2016): 9.7820

PAPER PUBLISHED NON-SCOPUS INDEXED PEER REVIEWED JOURNAL

- Research paper entitled “EXPERIMENTAL STUDY ON THE BEHAVIOUR OF RC COLUMN USING SILICA FUME CONCRETE” Authored by “V. Amudhan, Angeline Prabhavathy” had been reviewed by the Editorial Board and published in International Journal of Research in Advanced Technology – IJORAT (ISSN ONLINE – 2456-2769) Vol. 2, Issue 6.

CONFERENCE PUBLICATIONS

- Research paper entitled “STRENGTH BEHAVIOUR OF RC COLUMN USING SILICA FUME CONCRETE” Authored by “V. Amudhan, Angeline Prabhavathy” had been reviewed by the Editorial Board and published in National conference on “Advancements and challenges in Civil Engineering” ACCE’15 Valliammai Engineering College, Kattangalathur.

STUDENTS PROJECTS GUIDED:

- ❖ M.TECH Student Research paper entitled “Behavior of Composite Column with Steel Inner Tube Subjected to The Lateral Loads” Authored by Crispus Bright stone L1(M. Tech Student), Mr. V. Amudhan2.
- ❖ M.TECH Student Research paper entitled “EXPERIMENTAL STUDY ON THE STRENGTH OF HIGH VOLUME GGBS CONCRETE WITH MICRO & NANO SILICA” Authored by Narne Maruthi Chand1(M. Tech Student), Mr. V. Amudhan2.
- ❖ B. TECH Students Final Year Research paper entitled “COMPARATIVE STUDY ON THE BOX GIRDER AND TEE GIRDER USING IN PRECAST FLYOVER BRIDGE” Authored by PRADEEP M, ROHANTH PILLAI, SATHISH KUMAR, Mr. V. Amudhan2.
- ❖ B. TECH Students Final Year Research paper entitled “EXPERIMENTAL STUDY BEHAVIOUR ON HIGH PERFORMANCE CONCRETE COLUMN USING SILICA FUME AND EGG SHELLS” Authored by BISHAL KUMAR AGRAWAL, RAUSHAN KUMAR THAKUR, VISHAL KUMAR SAH, VALEDAMER SANGMA, Mr. V. Amudhan2.

Professional Body Memberships

-  **International Society for Research and Development:** M4150905752
-  **International Association of Engineers:** Membership ID: 190915