

KESAVAN K

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EDUCATION

SENGUNTHAR ENGINEERING COLLEGE

M.E STRUCTURAL ENGINEERING
(Currently Pursuing)
Correspondence | 2024-2026

M.KUMARASAMY COLLEGE OF ENGINEERING

B.E CIVIL ENGINEERING
Grad.April-2024

S.S.K POLYTECHNIC COLLEGE

DIPLOMA CIVIL ENGINEERING
Grad.April-2021

SKILLS

TECHNICAL

Design And Drafting Software:

- Autocad
- SketchUp

Structural Analysis And Design
Software:

- Staad.Pro

COURSEWORK

UNDERGRADUATE

Designing a small building plan using
AutoCAD

3D printing technology

Surveying a land area and submitting
measurements

CERTIFICATIONS

VALUE-ADDED COURSES

REVIT ARCHITECTURE
Completed in 2022.

SKETCHUP
Completed in 2022.

LANGUAGES

Tamil, English

INTERESTS

Video Editing
To listen Music

EXPERIENCE

MINDS EYE ARCHITECTS | INTERN

28-12-2022 – 14-01-2023

- Assisted in complete **foundation works**, from **marking to concrete**, in a **15-day** residential project.
- Observed and ensured the **accuracy of steel placement** in **footing reinforcement layouts**.
- Achieved **site work** efficiency improvement of **45–50%**.

PROJECTS

INFLUENCE OF ALUMINIUM POWDER IN MECHANICAL PROPERTIES OF CEMENT MORTAR | MAIN PROJECT

APR/MAY-2024

- Studied the effect of adding **Aluminium Powder**, **Gypsum**, **Lime**, **Fly Ash**, and **M-Sand** in a **1:3 cement mortar mix**.
- Prepared **eco-friendly** cement mortar with **Aluminium Powder**.
- Tested: **Compressive Strength Tests** and **water absorption**

PLAN SHOWING THE PROPOSED CONSTRUCTION OF G+1 RESIDENTIAL BUILDING | DESIGN PROJECT

NOV/DEC-2023

- Planned a **G+1** residential building with a **total area of 10,090 sq.ft.**
- Designed structural elements and checked safety **as per IS 456:2000**
- Achieved **80%** accuracy in structural drawings and load calculations.
- Tech Stack: **Autocad, SketchUp, Staad.Pro**

EXPERIMENTAL STUDY ON PERFORMANCE OF CONCRETE WITH VARIOUS STEEL FIBERS | MINI PROJECT

APR/MAY-2022

- Studied the effect of **crimped and hooked** steel fibers on **M25** concrete.
- Achieved **crack width reduction** and enhanced ductility in fiber-reinforced concrete.
- Enhanced structural performance with optimized fiber content.
- Tests: **Concrete Strength and Workability Tests**

ACHIEVEMENTS

ACADEMICS

- Published a **journal paper** on improving cement mortar using **Aluminium Powder** in **2024**.
- Trichy Engineering college Paper Presentation **1st prize** in the year **2023**
- Presented paper on **Sewage Thickening** at Aaditya Institute of Technology, Coimbatore.