

# HARSHINI I

CIVIL ENGINEER

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## EDUCATION

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|--|------------------|
| • PSG INSTITUTE OF TECHNOLOGY AND APPLIED RESEARCH | 2021-2025        |
| • CGPA - 8.18 (upto 5th semester)                  | <b>B.E CIVIL</b> |
| • GRG MATRICULATION AND HIGHER SECONDARY SCHOOL    | 2021             |
| • PERCENTAGE- 92.5%                                | <b>HSC</b>       |
| • GRG MATRICULATION AND HIGHER SECONDARY SCHOOL    | 2019             |
| • PERCENTAGE - 93.4%                               | <b>SSLC</b>      |

## AREA OF INTEREST

- Structural Analysis
- Concrete Technology
- Environmental Engineering

## SOFTWARE PROFICIENCY

- AutoCAD
- Sketchup ( Basics )
- Microsoft ( Word, Power point, Excel )

## IN-PLANT TRAINING

### **KNR Construction Ltd ( Internship )**

**10 days**

The training program entails practical construction of elevated highway along the Avinashi road in Coimbatore city from GOLD WINS TO UPPILIPALAYAM

### **R.P. Constructions ( Internship )**

**10 days**

Training program on the Erection of a G+2 buliding

### **Survey camp, Anaikatti**

**03 days**

Conducting Geodetic Surveys using total station, theodolite, dumpy level, etc...

## SOFTSKILLS

- Team work
- Adaptability
- Problem solving

## HOBBIES

Reading books, Listening to Music and Yoga

## PROJECTS

### REAL TIME DAM MONITORING SYSTEM USING GPS AND SENSORS.

- To monitor the dams and reservoirs by the application of integrating GPS and sensors.
- It ensures early warning alerts, a complex wireless sensors model (CWSM) notifies dam operators to make decisions, assess risks, and address potential problems promptly.
- This proactive approach helps ensure the safety, longevity, and optimal performance of dams and reservoirs.

### HYDROPHOBIC CONCRETE USING CRYSTALLINE ADMIXTURES. (ON PROGRESS)

- This relates to a waterproof mortar composition, which can exhibit an excellent adhesive performance and maintain good workability and shows effective waterproof property for structures.
- The photocatalytic additive used in this study is a crystalline material consisting of titanium dioxide and aluminum oxide.

### SUSTAINABLE WAY OF RECOVERING GLASS FIBRES FROM E- WASTE. (ON PROGRESS)

- Phase 1: Collection of PCB boards
- Phase 2: Recovery of glass fibers with DMA and DMF solutions
- Phase 3: Extrusion process of glass fibres using a suitable resin to form a glass reinforcement

## CO- CURRICULAR ACTIVITIES

- Participated in “**Aqua Ascend- A Design Conclave**” and **WON Commendation prize** in the L&T EduTech I-cu contest 2023’
- Participated in Popsicle bridge contest, BRIDGEIT IIT Mumbai.
- Attended a workshop on “**Digital land surveying**” at PSG iTech.
- Attended a workshop on “3d printing technology” conducted by Tvasta

## EXTRA- CURRICULAR ACTIVITIES

- Organized and executed the '**Student Ambassador Program**' during YUKTAHA-2023.
- Active member of Eco club and Functioned as a **Treasurer** in the **Eco club** at PSG iTech.
- Served as **class committee member** for sixth semester.

## DECLARATION

I, **Harshini I**, hereby declare that the above-mentioned information is true to the best of my Knowledge.