



# DHARANEESH S K

## ELECTRONICS AND COMMUNICATION ENGINEERING

### About Me

Really excited to work for a well great organization and I will give My vast experience to the growth of the Company. Innovative, Creative, and willing to contribute ideas and learn new things.

### EDUCATION

COLLEGE 2020 – 2024

BANNARI AMMAN INSTITUTE OF TECHNOLOGY  
BACHELOR of ENGINEERING  
ELECTRONICS AND COMMUNICATION ENGINEERING  
CGPA : 8.69

HSC 2019 – 2020

SKV MATRIC HR SEC SCHOOL  
Percentage : 70.5%

SSLC 2017 – 2018

SRV MATRIC HR SEC SCHOOL  
Percentage : 85%

### My Contact

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### CERTIFICATION

LABVIEW (National Instruments)  
Certified LabVIEW Associate  
Developer(CLAD)  
Introduction to Industry 4.0 and  
Industrial Internet of Things.  
(NPTEL – 12 weeks)  
Programming in JAVA.  
(NPTEL – 12weeks)

### Skills

- C/C++
- JAVA(BASIC)
- IOT APPLICATION
- SENSORS AND COMMUNICATION DEVICES
- HTML (BASIC)

### AREAS OF INTEREST

- IOT
- ANALOG COMMUNICATION
- TELECOMMUNICATION

### PROJECTS

**PROJECT 1 :** Early Detection And Preventing Toppling Of Trucks.

**DURATION :** 3 Months

**TEAM SIZE :** 4

**ROLE :** Idea Proposal and Project Design.

**TECHNOLOGY :** IoT and V2V(embedded C, MongoDB cloud)

**IDEA:** Prevent accidents and safeguard lives .

**DESCRIPTION :** Toppling can occur from over speeding, tight turns, and excessive weight. To prevent it, modern vehicles may have stability control systems, lane departure warning, and blind spot detection.

**PROJECT 2 :** Smart Dosing and medical parameters measurement system for Intravenous Infusion Therapy .

**DURATION :** 3 Months

**TEAM SIZE :** 4

**ROLE:** Implementation of the Glucose Monitoring System sensor

**IDEA:** Monitor patients and prevent blood blackflow.

**TECHNOLOGY :** IoT( C, raspberry pi)

**DESCRIPTION :** To avoid back flow of blood during drip infusion. No Need to continuous monitoring of patients. Also the capable of monitoring ECG, BP and temperature.

## ACHIEVEMENTS

WINNER in KU HackFest 2022 by Devfolio (AUG -2022)  
WINNER in CITI Digital Innovation Challenges (SEP -2022)  
Qualified finalist in Smart City Challenge by IET Chennai Local Network 2022 (DEC-2022)  
Qualified finalist in HackaversuMM'22 by Maharishi Markandeshwar (Deemed to be University), Mullana (Haryana)  
BEST PROJECT AWARD in PROTOTHAN by Dayananda Sagar University. (Bangalore) (MAY-2022)

## LANGUAGES

- English (R,W,S)
- Tamil (R,W,S)

## PERSONAL STRENGTH

- Termwork
- Creative Thinking
- Punctual

## EXTRA-CURRICULAR ACTIVITIES

- YRC club member
- SFS (Student For Student)

## HOBBIES

- Cooking
- Volunteering
- Kabaddi
- Drawing

## MINI PROJECTS

### PROJECT 1: P2.5 LED Display

**USE:** Advertisement

**DURATION:** 1 month (MAY-2022)

**DESCRIPTION:** Displays important information in public places

### INTERNSHIP

**COMPANY:** Complete Internship on Tele -Communication in BSNL (offline)

**NO.OF DAYS:** 15 (FEB -2022)

**Course content:**

- OSI Layers
- optical fibers technology
- Telephone Communication

### TRAINER

- BASIC OF ANTENNA DESIGNING (REMUNERATION RS:2000)

**SOFTWARE:** CST SOFTWARE

**NO.OF DAYS:** 17 Days (NOV-2022)

- BASIC OF C PROGRAMMING (JUNIORS)

**NO.OF DAYS:** 15 days (JUL-2022)

### PATENT

**PUBLISHED:**

IoT-Based Automatic Speed Surveillance Vehicle Over Speed Detection and Vehicle Alerting Aystem using Bluetooth Beacons. (Design patent | Indian patent)

**APPLICATION ID :** 202141055162

**DATE:** 29.11.2022

**FILED:**

A Machine Learning approach to measure the quality of Air and predict the cause of pollutants for degradation in air quality. (Design patent | Indian patent)

**APPLICATION ID:** 202241060706

**DATE:** 25.10.2022

### PAPER PRESENTATION

- International conference on advanced trends in renewable energy ICATRE22
- Presented a paper International Conference on Technological Advancements in Mechanical Engineering (ICTAME 2021)

### DECLARATION:

I hereby confirm and verify that all the information mentioned here, I take full responsibility for its accuracy and authenticity.

**DHARANEESH SK**