



SRI SHRIDEVI CHARITABLE TRUST (R.)
**SHRIDEVI INSTITUTE OF
ENGINEERING AND TECHNOLOGY**



NAME: Prof. Pradeepkumar S S

Designation: Asst. Professor

Department: ECE



Date of Joining	31-07-2010		
Professional Experience	Teaching	Industry	Research
	14	Nil	2

Contact Details	
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Academic Background	

Phd: Pursuing (VTU Belagavi)	
• MTech: Signal Processing	
• BE: Telecommunication	
Areas of Interest	
• Communicaion	• IOT
• Image Processing	• Embedded Systems
Significant Publications	
<ul style="list-style-type: none"> • No. of Papers Presented in Conferences: <ol style="list-style-type: none"> 1) "Design & Implementation of Costas loop Demodulator for BPSK Signals" National Conference on Communication Network & Security, RVEC Bangalore, May 2010. 2) "Design & Implementation of Low - Latency S- Box Architecture for AES Encryption" 2nd National Conference on Emerging Trends in Electronics & Communication, BGSIT Bangalore, May 2015. 3) "Plant Disease Detection using Image Processing", National conference on Recent advances in Engineering, Technology & Science, NCRAETS April 2019. 4) " High Protection Voice Identification Based Security system & Live Image Authentication" National conference on Recent advances in Engineering, Technology & Science, NCRAETS April 2019. 5) " Advances in 5G Technology", National conference on Recent advances in Engineering, Technology & Science, NCRAETS April 2019. • List of FDP's/Workshops: <ol style="list-style-type: none"> 1) 5 days FDP on "Embedded system Design & Its Applications" at Vidya Vardhaka college of Engineering Mysore. 2) 3 days workshop on "Internet of Things & its applications". 3) 1 day workshop on "Recent Advancements in Nano electronics" organised by Knoux Innovations. 4) 5 Days of FDP on "AWS" (Amazon Web services) organised by EXCELR. 	

5) 1 day Research skill development programe on "**Research Paradigms**"

organised by Dept. of MBA SIET Tumakuru.

6) 1 day Workshop on "**MATLAB & Simulink for Engineering Education**"

organised by **Mathworks** in Mysore.

7) 5 days FDP on "**National Board of Accreditation(NBA)**"

organised by SIET Tumakuru.

- **KSCST Student Projects Funded :**

1) Arduino Based Vehicle Accident Alarm System Using GPS, GSM AND MEMS

Accelerometer.

2) High Protection Voice Based Bank Locker Security System With Live Image Authentication.

- **Project Guided details : UG**

1) Body Sensor Network Glove for Speech and Hearing Impaired Disabilities.

2) High Protection Voice Based Bank Locker Security System With Live Image Authentication.

3) Arduino Based Vehicle Accident Alarm System Using GPS, GSM AND MEMS

Accelerometer.

4) Digital Fuel Indicator with petrol bunk detection and automatic Signaling system along with speed controlling.

5) Eye Ball Sensor for Automatic Wheel Chair Movement for Paralyze Patient.

- **Project Guided details : PG**

1) Design & Implementation of low Latency S-Box Architecture for Encryption.

2) FPGA based Design of Low Power Reconfigurable Router for Network on Chip (NoC).

3) Ship hull imbalance detection and control system using MEMS Technology.

4) High Speed and Area Efficient address Generator Architecture for WIMAX Deinterlever.

5) MATLAB Implementation of switch Monitoring system using raspberry pi.

Achievements

- **In-house resource person for:"**

- 1) **"Electronics & Its Applications in Daily life"** as a part of Induction Program for First Year Students.

- 2) **" A Talk on "MATLAB, Simulink & its applications"** as a part of Induction Program for First Year Students.

VGST Preposal:"IOT based smart parking system Device Development".

- **Professional Membership: IEEE, MISTE**