

SIDDIQUI AHMED MOHSIN

E-mail: sammas1192@gmail.com

Contact: 8788700850,8856822535

Objective:

To work in a challenging and creative environment wherein my knowledge could be used and effectively contribute towards the goals of the organization.

Educational Qualification:

COURSE	YEAR	UNIVERSITY/ BOARD	PERCENTAGE
PhD	2023-24	Oriental University Indore	Pursuing
M.E(DS)	2015-16	Pune University	7.9 SGPA
B.E.(E&TC)	2012-13	Pune University	62.86%
HSC	2008-09	Pune University	71.62%
SSC	2006-07	Pune University	77.69%

Final Year Project Work:

- MATLAB Based Speed limits enforcement system.
- Internet of things for ubiquitous smart home system.

Project details:

- **Objective:** Taking the advantage of the powerful parallel processing architecture of Matlab, this Matlab-based system can provide a real-time, low-cost, high-performance hardware platform for multi-channel video system to achieve real-time image processing. **Once the speeding vehicle is detected, the system will immediately record the panoramic view of the vehicle passing and basic characteristics of the vehicle, shoot of the vehicle number plate, the vehicle speed, passing time, etc., and send this information to the monitoring center by the wireless modem through the serial interface and the GPRS network.** The experiments indicated that the speed limit enforcement system can detect the vehicle speed accurately and provide the necessary proof for the police to enact punishment.
- **Objective:** This project demonstrates a low down rate controlling system using an embedded micro-web server, with IP connectivity for accessing home appliances remotely using android based smart phone applications. The planned system does not involve any PC server and recommends a communication protocol to direct home environment with more than just

switching functionality. To reveal the achievability of this system, devices such as light switches and power plug have been incorporated with proposed home control system. **Internet of things (IOT) is nothing but involving on a daily basis things such as handset, television, antennas, tablets and actuator to internet everywhere the appliances are smartly coupled mutually permitting latest structure of communication among objects and public.** We have also done the analysis of routing protocols for best connectivity of internet. Two routing protocols are used for the performance analysis such as AODV and DSR.

- **Team Size: 4**
- **Roles and Responsibilities:**
- **Design** - Involved in designing the PCB's used for the modules – coordination MATLAB software and Hardware to provide implementing functionalities.
- **Development** - Involved in Development of Arduino Uno Microcontroller Program (Arduino C program- LCD Display and Keypad Control)

Technical skills:

Internet of things and Embedded System, Analog and Digital Communication, Basics of Electronics ,Electromagnetic and transmission lines, Antenna and Wave propagation, Embedded system, embedded C(8051), Electronics Design system, Wireless technologies, VLSI, Digital systems, MATLAB,PCB Design, Mobile communication, Telecommunication systems etc.

Operating System: Windows/Ubuntu/Linux

Research:

- ❖ Doing research in Internet of things and Wireless Communication.
- ❖ Published 10 papers in different Conference and Journals.

Achievements:

- Awarded as a member of winner team in **“Inter Collegiate Cricket Tournament”**.
- Awarded as winner in **“Inter collegiate Carrom Tournament”**.
- Ex-president of Ex-student Association of school.

Hobbies:

Gaining knowledge continuously.

Strength:

- Loyalty
- Sincerity
- Dedication
- Hard work
- Leadership
- Good in team work

Personal Profile:

Father's Name : Siddiqui Md. Saleem

Date of Birth : 1st Jan 1992

Marital Status : Married

Languages Known : English and Hindi.