



Mr. ALWIN MANI

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Education

- 2014–2016 **M.Sc. Control and Embedded Instrumentation**, ESIGELEC UNIVERSITY, Rouen, France.
- 2014–2016 **M.Sc.Tech. Embedded System and Instrumentation**, MANIPAL UNIVERSITY, India.
- 2014 **POST GRADUATE DIPLOMA IN INDUSTRIAL AUTOMATION**, Prolific Systems and Technologies, India.
- 2008–2012 **Bachelors in Engineering, Electronics and Instrumentation**, ANNA UNIVERSITY, India.

EXPERIENCE

- May 2016 – **6 Months Full Time Mandatory Internship in SIREA GROUP, France.**
Oct 2016 Project Name: INNOPERF – develop a system to send the nitrate quantity of the soil in the agricultural field to the remote places (where the user is situated) using the ISFET sensor. (**Competences: Wireless Network modules- LORA & SIGFOX, Ladder Programming, AT commands, Testing, PLC**)

PROJECTS

- March 2015 – **HEXAPOD ROBOT CONCEPTION AND REALIZATION BASED ON COGIBOT SERVOMOTORS:** The objective of the project is to build a type of parallel robot that incorporates six prismatic actuators, commonly hydraulic jacks. These actuators are mounted in pairs to the mechanisms base, crossing over to three mounting points on a top plate. Devices placed on the top plate can be moved in the six degrees of freedom in which it is possible for a freely-suspended body to move. [Competences: MATLAB, Simulink].
- Sep 2014 – **SECURITY SYSTEM FOR VEHICLE:** Implemented a prototype which alerts the user to recover the key from the vehicle. Whenever the key is left in the vehicle after it is parked henceforth avoiding the theft. [Competences: Arduino UNO board, pressure sensor, infrared sensor, GSM Module.]
- Jan 2012 – **REMOTE PATIENT MONITORING SYSTEM:** Monitoring of various measured parameters of several patients in ICU wards by using one monitoring system. It reduces man power and cost in the medical field.
- Sep 2011– **SALT SENSING SYSTEM:** Monitor and control the dose of medicine going through IV saline in Patients.
Dec 2011

Technical Skills

While working on technical projects and in Labs came across a few languages like C, C++, DBMS (SQL) and few development tools like Arduino, RT Maps, MATLAB and LABVIEW.

Paper Presentation

- Blue Eye
- Bio Sensors

Training

Mar 2014 POST GRADUATE DIPLOMA IN INDUSTRIAL AUTOMATION at Prolific Systems and Technologies, INDIA. Topics covered are,
PLC
SCADA
DCS
DRIVES

Languages

English
French **(Intermediate)**
Hindi

Hobbies

- Farming
- Current affairs
- Cricket