
Jithin Saji Isaac

Assistant Professor

Himalaya Society,
Ghatkopar West,
Mumbai 400084.

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99 202 8 &(50+8) & (60+1)



SKILLS

Embedded System Designing & Programming

Internet of Things

Signal Processing

Image Processing

EXPERIENCE

Don Bosco Institute of Technology, Mumbai - *Assistant Professor,*
Department of Electronics & Telecommunication Engineering

JUNE 2012 - PRESENT

Subjects taught:

- Analog Electronics
- Control Systems
- Analog Communication
- Discrete & Digital Signal Processing
- Signals & Systems
- Microprocessors

Tech Mahindra, Pune - *Technical Associate*

NOV 2010 -SEPT 2011

- Software Testing
- Analysis & formation of Test cases

Biotronic System, Mumbai - *Embedded Programmer*

JUNE 2010 - SEPT 2010

- Post B.E. degree Internship
- ATMEL AVR Programming
- Project: Keithley DMM data extraction

EDUCATION

Shah & Anchor Kutchhi Engineering College, Mumbai - *Bachelor of Engineering (Electronics Engineering)*

AUGUST 2006 - JUNE 2010

Vivekanand Education Society's Institute of Technology, Mumbai - *Master of Engineering (Electronics & Telecommunication Engineering)*

AUGUST 2013 - AUGUST 2015

INTERESTS:

- Arduino platform
- Raspberry Pi microprocessor
- 8051 & AVR microcontroller
- ESP8266 Internet of Things platform
- Various Embedded & Wireless Sensors
- Automobile ECU data extraction & processing
- Scilab & Matlab
- PCB Prototyping
- Football & Event Management :)

JOURNALS & CONFERENCE:

1. J. S. Isaac, R. Kulkarni, "Super Resolution Techniques for Medical Image Processing", 2015 International Conference on Technologies for Sustainable Development (ICTSD-2015), Feb. 04 – 06, 2015, Mumbai, India
2. J. S. Isaac, R. Kulkarni, "Scaling up of Low Resolution Images using Super Resolution Techniques & Performing Intensity Correction for Medical Imaging", Journal of Biomedical Engineering and Medical Imaging, ISSN: 2055-1266, Volume 2 Issue 6, Pg. 99-108, December 2015
3. J. S. Isaac, R. Kulkarni, "Intensity Correction & predicting the high resolution patches for Super Resolution of Medical Images", International Journal of Computer Science and Information Security (IJCSIS) ISSN: 1947-5500, Volume 14 Issue 1, Pg. 112-117, January 2016

WORKSHOPS CONDUCTED:

- Scilab programming
- Arduino microcontroller programming
- Raspberry Pi: Basics, Interfacing & IoT
- Internet of Things using NodeMCU ESP8266 WiFi IoT module

@DBIT:

- IETE DBIT ISF Faculty Coordinator
- B.E. Project Coordinator
- Time Table Committee Convenor
- Sports- Faculty in charge
- Funded R&D Project

Ongoing R&D @DBIT:

- NFC, RFID & Microcontroller based Public health & Infant Immunization monitoring system
 - College funded R&D project
 - Feb 2017-July 2017
 - *Interested students kindly get it touch*
- Partnering in setting up DBIT's *Robotics Club & School of Automation (RCSA)*, an initiative of Dept. of EXTC, DBIT
 - Designing Curriculum for RCSA
 - Setting up of Robotics & Automation Lab
 - Execution of proposed programme

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Information as on 5th May 2017