

Mohammed Bilal

Curriculum Vitae

"Success is a science; if you have the conditions, you get the result.- Oscar Wilde

Work Experience

- August 2013- Present **Hardware Design Engineer**, PICOSEM TECHNOLOGIES PVT LTD, Bangalore.
- Oct 2014- March 2015 **Market Research Analyst FREELANCER** , , Bangalore.
- March 2013- August 2013 **Intern**, PICOSEM TECHNOLOGIES PVT LTD, Bangalore.
- June 2013- Aug 2013 **Corporate Trainer (PART TIME)** , GLOBALS RESEARCH INNOVATION AND DEVELOPMENT , Bangalore.
On Contract
- Oct 2010- Jan 2011 **Technical Support Representative**, E4E BUSINESS SOLUTIONS PVT LTD, Bangalore.

Education

- 2013 **Masters of Technology in VLSI Design And Embedded Systems**, Visvesvaraya Technological University, Belgaum, Percentage – 71.7.
First Class Distinction
- 2010 **Bachelor of Engineering**, Visvesvaraya Technological University, Belgaum, Percentage – 61.0.
Specialized in Electronics and Communication

Masters Thesis

- Title *DESIGN AND IMPLEMENTATION OF WEB BASED POWER QUALITY ANALYZER ON ARM Cortex M3*

Bachelors Thesis

- Title *DESIGN AND IMPLEMENTATION OF POWER QUALITY ANALYZER ON PIC MICROCONTROLLER*

Project Experience

- Design Of Smart Lock A Smart lock which can be operated from a Smart Phone via Bluetooth. Designed the whole system, and performed the necessary functionality tests and monitor the design of RF Board
- Design Of Spartan 3E DSP FPGA Based Board It is a general purpose board wherein the client can access the banks of the FPGA to enact as an Emulator. This board is provided with the basic interface like the clock synthesizers, PROM and Input Output Pins. The clock frequency can be programmed and the program can be stored in the PROM
- Diffused laser based hair re-growth therapy unit Laser therapy treatment unit for hair growth was designed. Diffused Lasers were utilized, and a Driver circuit was designed. A charger circuit was built inside to charge the battery.
- High precision Digital Gyroscope The project is to identify the variation in X, Y and Z axis. The obtained data was transferred to Arduino Due board through SPI Interface. Nine Gyro scopes were used to increase precision, and were individually controlled

Technical skills

- Programming Languages Verilog, Embedded C,C, Python
- Tools and OS ORCAD CAPTURE, XILINX, Keil, MATLAB, PROTEUS, CAM 350, Microsoft Windows, Server 2003,Ubuntu
- Cerifications Microsoft Certified Solution Associate

Publications

1. Mohammed Bilal "Attendance Logging In Webserver Using Multi Node Embedded System Connected Through Wi-Fi Link
2. Hemant Palivela, Mohammad Bilal "An Adaptive approach combining accelerative aging and IPSec to combat against DDos attack in networks", in proceedings of National conference on Communication and Computing, Acharya Institute of Technology, Bangalore, 22nd - 24th September 2011.

Achievements

- 2008 Designed Charger For Electronic Ticketing Machine For KSRTC
- 2012 Google scholar citation : [Link](#)
- 2013 Reviewer of 2012 International Journal of Research in Engineering and Science
- 2015 *Patent* filed in India for Programmable Power Socket - 3019/CHE/2015