

RESUME

Personal Details



Name: UthamanS/O Muthaiah

NRIC: 870505-10-5393

D.O.B: 05-05-1987

Gender: Male

Status: Single

Age: 29

Nationality: Malaysian

Address: No 8, Jalansentosa 8,
Taman sentosa,
Bukit Cheeding,
42700 Banting,
Selangor.

Contact : 016-3867986

Email : uthaman_muthaiah@yahoo.com

Educational Background

1) MULTIMEDIA UNIVERSITY (MMU CYBERJAYA)

Programme : Bachelor of Engineering (Honours) Electronics majoring in Optical Engineering.

Completion:2015 (October)

CGPA : 2.54/4.00

2) MULTIMEDIA UNIVERSITY (MMU CYBERJAYA)

Programme: Foundation in Engineering

Completion:2009(June)

CGPA : 3.06/4.00

Language Skills

1. Written and spoken English-**Fluent**
2. Written and spoken Malay-**Fluent**
3. Written and spoken Tamil-**Fluent**
4. Written and spoken Spanish-**Basic**

Technical Skills

Programming Languages

- C and C++ programming using **KNOPIX** window platform
- Assembly Language Programming

Engineering Software

- Matlab 7
- OrCadPspice
- AutoCad 7, AutoCad 2014 & 2015

Optical software

- Optsim 4.0
- OptiSystem 11

Document Software

- Microsoft word
- Microsoft Excel
- Microsoft PowerPoint

Engineering Equipment Skills

1. Multimeter
2. Oscilloscope
3. Spectrum Analyzer
4. Function Generator
5. Amplifier Probe
6. Optical Spectrum Analyzer
7. Raman Pump Unit (RPU)
8. Tuneable Laser Source (TLS)
9. JDU MTS-6000 Compact Optical Modulator Platform
10. Able to repair or diagnose electric circuits using continuity test or appropriate component testing method.

Final Year Project (FYP)

Multiwavelength Brillouin-Raman Fiber Laser (MBRFL)

The demand for higher data rate transmission is increasing rapidly for new broadband services. Various applications such as videoconference, fastest Internet broadband services and videophones have rapidly energized the volume of data exchanged in entire world. The dense wavelength division multiplexing (DWDM) technology is quite an advance technology for various communication systems where bandwidth cost is reduced by dedicating optical signal to different wavelength in an optical fiber. Several techniques was demonstrated by researchers to improve the brillouinfiber laser (BFL) to combine with Raman amplification and this laser are addressed as Brillouin-Raman fiber laser (BRFL).

Other Projects

1. **Low cost Spectrophotometer for Nanoparticles based Thin Film**
(Optical part Spectrophotometer)
2. **Base Number Converter using assembly language programming.**
(Number conversion from decimal, binary, octal and hex using x86 architecture.)

Working Experiences

1. Industrial Training at Wire & Wireless Sdn.Bhd

Position : Trainee Engineer

Duration : 3rd March 2014 - 25th May 2014 (12 weeks)

Objectives:

- 1) Adopt to the dynamic working atmosphere.
- 2) Apply the academic knowledge in managing workplace challenges.
- 3) Learn AutoCad 2007 software tools.
- 4) Prepare layout and asbuilt drawing using AutoCad tool.
- 5) Prepare Technical Proposal for IBS (In-Building System).
- 6) Practise good ethical values and work conducts.

2. SigmaxeServicesSdn. Bhd

Position : Image Processing (Staff)

Duration : Part time (Flexible time)

Objectives :

- 1) To require a basic knowledge and ability to recognize product characteristics.
- 2) To identify and process images in different inventory Segmentation
- 3) To provide quality content and result.

3. Ranger Network Sdn, Bhd

Position : Project coordinator

Duration : December (2015) – currently working

Objectives :

- 1) Done Site Survey and prepare Technical proposal (TP) accordingly.
- 2) Done Pre-construction survey to start work and plan accordingly.
- 3) Coordinate the incoming Maxis project according to Technical Proposal (TP).
- 4) Done drawing for Technical Proposal (TP) in AutoCad 2015.
- 5) Prepare documentation accordingly to start work
- 6) Prepare Site Pack documentation accordingly after completion of work.
- 7) Site Pack: i) As-built Documentation
ii) Photo completion
iii) Prepare Handover documentation

References

Dr. Chang YoongChoon
Lecturer / Academic Advisor
Faculty of Engineering,
Multimedia University,
Persiaran Multimedia,
63100 Cyberjaya,
Selangor, Malaysia.
Phone: +(60) 3 - 83125469
Fax: +(60) 3 - 83183029
Email: ycchang@mmu.edu.my