

CURRICULUM VITAE

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Carrier Objectives

By exploiting diverse disciplines of Telecommunication, cater my fullest effort to enrich the next generation.

Educational Qualifications

- **Reading for PhD in University of Bremen, Germany under the supervision of Prof. Dr. Anna Foerster.**
- Successfully completed Masters in Telecommunication in Department of Electronics and Telecommunication Engineering of University of Moratuwa, Sri Lanka. [GPA 3.78]
- Successfully completed B.Sc. Engineering honors degree in Department of Electronics and Telecommunication Engineering of University of Moratuwa, Sri Lanka.
Possess a first class in Electronics and Telecommunication Engineering. [GPA - 3.76 out of 4.2]
- Had primary and secondary education at **Visakha Vidyalaya -Colombo 05**

Professional Qualifications

- Successfully completed **“Machine Learning”** online course offered by Stanford University, USA.
- Successfully completed CTHE program conducted by General Sir John Kotelawala Defence University.
- Successfully completed two semesters **with full scholarships in BSc. IT Degree** in **Sri Lankan Institute of Information Technology (SLIIT)** *Became Batch top in semester 1 examination 2003.*
- Successfully completed Huawei training on **“LTE Basic Principles”**
- Successfully completed Huawei training on **“UMTS & HSPA Principles”**
- Successfully completed Huawei training on **“GSM BSS (BSC 6000) Product Training”**
- Successfully completed Huawei training on **“GSM PCU Product Training”**
- Successfully completed Huawei training on **“Radio Network Planning and Optimizing”**

Work Experience

- Currently employed as a **Senior Lecturer** in the Department of Electrical, Electronic and Telecommunication Engineering – Sir John Kotelawala Defence University [6 years]. I contribute to the intellectual life of the University by conducting quality research and teaching undergraduate as appropriate and as instructed by the Head of Department.
- Was employed as a **Radio Network Planning Engineer**, at Huawei Technologies [3 years]. Enhancing all island Airtel 2G & 3G coverage by considering customer's (Airtel) requirements and assuring the quality of service by analyzing the network are among the responsibilities of mine. I also have obtained a sound knowledge and experience in both **GSM, UMTS & HSPA technologies**. I was awarded as "**Star Engineer**" for year 2012 for the service I provided.
- Was employed as an **Access Network Planning Engineer, in Dialog Telekom** [2 years & 5 months]. Enhancing Dialog coverage by studying optimal methods, assuring the quality of the network and upgrading the network to cater the increasing demand were among the responsibilities fall under me.

Research and Projects

- Currently conducting a collaborative research with University of Bremen, Germany on **Wireless Sensor Networks** and presented the current research work in Doctoral Colloquium in "SenSys 2017" conference (An A grade conference) held in Delft Netherlands .
- **Research and Development Project** on "**Wireless Sensor Network Test Bed for Mobile Communication**" under the supervision of Prof. (Mrs.) Dileeka Dias.
http://ieeexplore.ieee.org/xpl/freeabs_all.jsp?arnumber=4783994
- Presented a Research paper for the 20th Annual IET Technical Conference in 2013 on "**Indoor propagation model for Wireless Sensor Networks Using empirical data**"
- The Research paper, "**Intelligent Pest Repellent System for Sri Lankan Farming Industry**" was presented in the 111th IESL Annual Sessions.
- The Research paper, "Early warning system for landslides using Wireless Sensor Networks" was presented in the KDU International Research Conference 2018.

Extra Curricular Activities

Sports

- Participated in **GACC World Inter Varsity Chess tournament held in Malaysia representing University of Moratuwa** in 2004.
- Won **SLUSA (Sri Lanka University Sports Association) colours award in 2004.**
- Won **University Colours award in four consecutive years -2003, 2004, 2005 & 2006.**
- Won the award '**Best All Round Chess Player**' from University of Moratuwa in 2006.
- Was a member of women's chess team of University of Moratuwa from 2004, until 2007 and placed **1st runners up in 2003 and 2004.** Also **2nd runners up in 2006.**
- Was a member of the **Senior and junior chess teams** of Visakha Vidyalaya, and won **All Island championships in 1997, 1998 and 2002.**

Leadership

- Served as a **senior prefect** at Visakha Vidyalaya Colombo.
- **Captained the University chess team 2006.**
- **Captained the school chess team, which won All Island Championship-2002.**
- Was an active member of **E - Club** of University of Moratuwa 2004/2005
- Held the position of **President in the chess club** of Visakha Vidyalaya in 2001.
- Held the position of **Secretary in the Mathematics society** of Visakha Vidyalaya.

Computer Literacy

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| <ul style="list-style-type: none">• C / C++• TinyOs• JAVA• NS2 | <ul style="list-style-type: none">• SQL• MATLAB• Planning Tools for Frequency Planning, Microwave Planning and Drive Test Tool |
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I do hereby certify that the above details furnished by me are true and correct to the best of my knowledge.

Date: 20/03/2019

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(P.N.Karunanayake)