

Personal and Contact Details

Name: **Yaaseen Rafeeu**
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Age: 32 Years
Nationality: Maldivian
Languages: Dhivehi (Native),
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Education

Master of Science in Electrical Power Engineering, January 2011, Universiti Putra Malaysia, Malaysia

Modules include: Basic of Malay Skill 1, High Voltage Engineering, Power Electronic Converters, Power System Operation and Control, Master's Research,

Bachelor of Science in Electrical and Electronic Engineering, September 2005, Islamic University of Technology (IUT), The Organisation of the Islamic Conference (OIC), Bangladesh

Modules include:

Semester 1: Engineering Chemistry, Electrical and Electronic Engineering Fundamentals, Islamiat, Technology Environment and Society, Engineering Mathematics 1, Engineering Physics 1, Engineering Chemistry Lab., Programming Package 1, Electrical and Electronic Engineering Fundamentals Lab., Spoken Arabic 1, Workshop Practice, Engineering Drawing, Engineering Physics 1 Lab.

Semester 2: Electrical Circuits 1, Electronics 1, Computer Programming, Islamic History and Culture, Engineering Mathematics 2, Engineering Physics 2, Electrical Circuits 1 Lab., Electronics 1 Lab., Computer Programming Lab., Electrical Workshop Practice, Electrical Drawing & Drafting, Spoken Arabic 2, Engineering Physics 2 Lab.,

Semester 3: Electrical Circuits 2, Electronics 2, Electrical Machines 1, Digital Electronics, Electrical Engineering Materials, Engineering Mathematics 3, Programming Package 2, Electrical Circuits 2 Lab., and Electronics 2 Lab., Electrical Machines 1 Lab., Digital Electronics Lab.,

Semester 4: Measurement & Instrumentation, Electrical Machines 2, Transmission & Distribution of Electrical Power, Telecommunication Principles, Engineering Mathematics 4, Thermofluid Mechanics, Measurement & Instrumentation Lab., Electrical Machines 2 Lab., Transmission & Distribution of Electrical Power Lab., Telecommunication Principles Lab., Thermofluid Mechanics Lab.,

Semester 5: Computer Architecture & Assembly Language Programming, Power System 1, Industrial Electronics 1, Protective Relays 1, Radio Communication Engineering 1, Social Studies & Accounting, Programming Package 3, Computer Architecture & Assembly Language Programming Lab., Industrial Electronics 1 Lab., Protective Relays 1 Lab., Radio Communication Engineering 1 Lab.,

Semester 6: Computer Networks, Power System 2, Industrial Electronics 2, Electromagnetic Fields & Waves, Peripherals & Micro-Processor Based Design, Engineering Management, Computer Networks Lab., Industrial Electronic 2 Lab., Radio Communication Engineering 2 Lab., Peripherals & Micro-Processor Based Design Lab.,

Semester 7: Control System Engineering, Microwave Engineering, Digital Signal Processing, Business Communication, Mathematics 5, Engineering Economics, Project & Thesis, Control System Engineering Lab., Microwave Engineering Lab., Digital Signal Processing Lab., Industrial Training,

Semester 8: Power Station, Telecommunication Engineering, Energy Conversion, Radar & Satellite Communications, Semiconductor Devices, VLSI Circuits, Project & Thesis, Telecommunication Engineering Lab., VLSI Circuits Lab.,

GCE Advanced Level, June 2000, University of London

Mechanics, Physics, Chemistry

GCE Ordinary Level, January 1998, University of London

Accounting, English Language

GCE Ordinary Level, January 1997, University of London

Chemistry, Physics, Fisheries Science, English Language, Mathematics

Employment History

Oct 2010 to Present: **Senior Engineer**, (Head of Property Development Section), Building Services & Security Department, Maldives Transport & Contracting Company Plc. (MTCC)

- Plan and implement research methodology and procedures to apply principles of electrical theory to engineering projects
- Confer with engineers, customers, and others to discuss existing or potential engineering projects and products.
- Prepare specifications for purchase of materials and equipment. Supervise and instruct project team members as necessary

- Oversee project development efforts to assure projects are completed satisfactorily, on timescale and within budget.
- Prepare and study technical drawings and specifications of electrical systems, to ensure that installation and operations conform to standards and customer requirements.
- Develop budgets, estimating labor, material, and construction costs.
- Compile data and write reports regarding existing and potential engineering studies and projects.
- Advise management of new developments which may affect scope, schedule, costs, and inter-departmental relation
- Assigns and coordinates the works to Electricians and Engineer
- Plan, schedule, conduct, and coordinate program of assigned engineering work and projects.

Sept 2010 to Oct 2010: **Electrical Engineer,** Construction & Project Management, Maldives Transport & Contracting Company Plc. (MTCC)

May 2008 to Aug 2008: **Electrical Engineer,** Contracting & Projects Department, MTCC

Oct 2005 to Apr 2008: **Electrical Engineer,** Contracting & Projects Department, MTCC

- Design, maintain, and improve electrical equipment, facilities, and systems for commercial and domestic purposes
- Oversee project development efforts to assure projects are completed satisfactorily, on timescale and within budget.
- Prepare and study technical drawings and specifications of electrical systems, to ensure that installation and operations conform to standards and customer requirements.
- Develop budgets, estimating labor, material, and construction costs.
- Assigns and coordinates the works to Electricians and Project staffs
- Plan, schedule, conduct, and coordinate program of assigned engineering work and projects.
- Assist in selection of discipline personnel assigned to project

Oct 2000 to Dec 2001: **Surveyor Trainee,** Contracting & Projects Department, MTCC

Skills/Experience

Professional attributes: Electrical and Electronic Design, Electrical and Electronic Testing/Analysis, Power System Engineering, Project Management, Project Development, Dredging, Reclamation, Land Surveying and Building Services.

Other experiences

- Capable of using computer aided engineering , designing software and equipment
- Able in designing and preparing of engineering drawings and technical documents
- Responsibilities on project designing, site reporting, logistic operations, and overall project management works including, communication, coordination, administration and cost control
- Responsible to cater all project needs for on time project delivery. This role included logistic operations, repair and maintenance of vehicles and vessels
- Carried out land surveys for a large number island for dredging works, reclamation, leveling and sheet piling works

Training, Seminars & Conferences

Industrial Training from 25th Sep to 28th Oct 2004, Dhaka, Bangladesh

Training on “Essential Supervisory Skills and Techniques for Supervisors”, Management Development Institute of Singapore (MDIS), 13-14th Nov 2006, Maldives

Training on “Doing Your Job and Enjoying It”, Management Development Institute of Singapore (MDIS), 18th Nov 2006, Maldives

Training Course on “Block Ice Plant Equipment”, Organized by PATKOL Public Company Limited, 7th - 25th Jul 2006, Thailand

Islamic Development Bank (IDB) Scholars Conference '08, Jointly Organized by IDB and International Islamic University Malaysia (IIUM), 17th Feb 2008, Malaysia

Technique and Skill Improvement in Using the “Integrated” SAS and EXCEL Packages in Data Handling, Statistical Analysis, and the Analysis Output and Presentation, Organized by School of Graduate Studies, Universiti Putra Malaysia, 10-11th April 2009, Malaysia

Workshop on “Ethical and Legal Issue in Journal”, Organized by School of Graduate Studies, Universiti Putra Malaysia, 29th May 2009, Malaysia

Conference on Alternative and Renewable Energy 2009 (CARE 2009), Advanced Technology Congress ATCi 2009, Organized by Institute of Advanced Technology (ITMA), Universiti Putra Malaysia, 3-5 November 2009, PWTC, Kuala Lumpur, Malaysia

Thesis and Dissertation

Masters: Thermal Performance of Parabolic Concentrators under Malaysian Conditions, January 2011

Undergraduate: Techno - Economic Feasibility of Solar Photovoltaic Energy in the Maldives, September 2005.

Fellowships and Awards

Dec 2001- Scholarship for a Diploma in Electrical and Electronic Engineering - The Organisation of the Islamic Conference (OIC)

Dec 2007- Scholarship for a Masters in Electrical Power Engineering - Islamic Development Bank (IDB)

Leadership

2010 - Steering committee member -MTCC

2005 - Chess Captain of Islamic University of Technology (IUT)

Publications

Y. Rafeeu, M. Z. A. Ab. Kadir, S. M. Abdulla, and N. M. Adam, Solar Radiation and Temperature Measurement of a Solar Dish Concentrator System, International Advanced of Technology Congress (ATCi), PWTC, Malaysia. November 3-5, 2009 (Conference Proceeding).

Y. Rafeeu, M. Z. A. Ab. Kadir, S. M. Abdulla, and N. M. Adam, Solar Radiation and Temperature Measurement of a Solar Dish Concentrator System, Journal of Energy and Power Engineering, Vol. 4, No.2, Feb 2010 (Cited, Referenced).

M. Z. A. Ab. Kadir, and Y. Rafeeu, A Review on Factors for Maximizing Solar Fraction Under Wet Climate Environment in Malaysia, Renewable and Sustainable Energy Reviews, Vol. 14, No. 8, pp. 2243-2248, 2010. (IF: 4.842).

M. Z. A. Ab. Kadir, Y. Rafeeu, and N. M. Adam, Prospective scenarios for the full solar energy development in Malaysia, Renewable and Sustainable Energy Reviews, Vol. 14, No. 19, pp. 3023-3031, 2010. (IF: 4.842).

Professional Memberships

Association of Maldivian Engineer (AME), Maldives

Familiar Software & Programmes

Microsoft Word, Excel, Projects, Access, Power Point
Designing Auto CAD, Corel Draw, Adobe Photoshop
Others Basic of Computer Programming, Assembly language, Experience in MatLab, OrCad (Pspice) and Microsyms

Interests

- Conducting research in the emerging areas of sustainability, renewable energy, solar power, solar cells, wind energy, etc
- Integrating lean thinking in property development including maximizing energy efficiency in buildings
- Developing and enhancing Green building concept in construction Industry

References

1. Abdulla Thasleem
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Kuddu Fisheries Maldives Ltd
*Former Head of Construction & Project Management Department
MTCC Plc*
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Associate Professor/ Director,
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