



<b>Position Title</b>	<b>RESEARCHER</b>
<b>Company</b>	<b>TELEKOM RESEARCH &amp; DEVELOPMENT SDN BHD</b>
<b>Work Place</b>	<b>TM INNOVATION CENTER, CYBERJAYA</b>
<b>Report To</b>	<b>HEAD OF NGA LAB</b>
<b>Position Category</b>	<b>EXECUTIVE (BAND 1)</b>
<b>No of Vacancies</b>	<b>01</b>

**Responsibilities:**

**STRATEGIC ROLE**

To execute research activities in areas under Next Generation Access Laboratory research initiatives on underlying technologies for Optical Networking such as Passive Optical Access Networks, Long Haul Fiber Optic Communication Networks and Optical subsystems.

**JOB'S SPECIFICATIONS**

1. To deliver research project deliverables under Next Generation Access Laboratory research initiatives in term of research tasks completion and facilities operation.
2. To research and develop Optical communication Systems targeted for Long Haul and Passive Optical communication systems.
3. To design and develop controller circuit, firmware and supporting analog circuits for controlling optical subsystems including optical amplifiers, MZM, EAM
4. To assist Head of NGA in the Research activity and cluster/program management.
5. To support and execute quality certification process on research project documentations, product assurance testing & OSH compliance.
6. To execute patent initiative and filing from research findings.
7. To support and execute IPR in form of ID and copyright from research findings.

8. To publish scientific paper at international level.
9. To deliver and achieve customer satisfaction in term of research monitoring progress and research product.
10. To participate at external or national working group for scientific activities.
11. To complete functional and behavioral training as required by research project and company initiative.

**Requirements:**

1. B. Eng (4 years in optical communication research) or M. Eng/M. Sc./M. Phil (optical communication system design) Electrical Engineering, Electronics Engineering, Applied Physics, Optics, Photonics, Telecommunication Engineering or other similar qualifications.
2. Good knowledge in Optical communication systems, communications standards and System Architecture (Matlab, Labview, VPI, Optsim)
3. Strong knowledge in microcontroller based system design, analog circuit design and RF circuit design
4. Highly proficient in programming language (C/C++)
5. Strong background in research backed by list of publication, research project, IPR activities or scientific award/honour.
6. Passionate about research and incoming scientific technologies.
7. Fluent in English & Bahasa Malaysia, both verbal and writing.

8. Strong leadership qualities and be able to perform under minimum supervision, be able to work independently and able to deliver quality work under tight deadlines and multitasking.
9. Excellent communication for both internal and external customer and stakeholders.
10. Demonstrate high degree of team work, knowledge sharing and multipurpose.
11. Strong interpersonal skills and ability to work with others in both supportive and collaborative manner with passion.