

## **OT1361 - Research Engineer I (TCP\_01)**

**Job Family:** Engineering - Research Engineering

### **Job Family Definition:**

This family may span multiple research and engineering disciplines. Working within Hewlett Packard Labs, initiates the investigation, design, development, execution, and implementation of scientific research projects. Applies scientific principles and concepts to potential inventions and innovation for the company products, services and solutions. Plans and executes research in support of established research agenda. May coordinate organizational and research efforts, across single or multiple labs and disciplines. Maintains substantial knowledge of state-of-the-art research and engineering principles and theories. May contribute to scientific literature and conferences, and may participate in development of patent applications. Participates in activities to establish thought leadership, intellectual property (IP), and technical influence internal and external to the company.

### **Management Level Definition:**

Contributes to assignments of limited scope by applying technical concepts and theoretical knowledge acquired through specialized training, education, or previous experience. Acts as team member by providing information, analysis and recommendations in support of team efforts. Exercises independent judgment within defined parameters.

### **Responsibilities:**

- Participates as a member of team of other research engineers carrying out the investigation, design, development, execution, and implementation of scientific research projects to generate new products, technologies, and intellectual property.
- Performs laboratory experiments and activities supporting scientific research in accordance with research plan specifications and guidelines and established procedures.
- Collects, records, and analyzes data using established protocols and analysis processes.
- Assists in the preparation of literature and presentations for peer review, publication, and delivery at industry and scientific events and conferences; produces supporting documentation for patent applications.
- Develops understanding of and relationship with internal and external partners for scientific research and product development.
- Develops knowledge of research engineering principles and theories for assigned disciplines and research areas.

### **Education and Experience Required:**

- Bachelor's or Master's degree in Computer Science or Engineering or equivalent.
- Typically 0-2 years experience, including graduate or postgraduate research.

### **Knowledge and Skills:**

- Experience or understanding of scientific design and data collection methodologies, tools and analysis packages.
- Good analytical and problem solving skills.
- Understanding of experimental design, scientific procedures and processes, and data analysis.
- Good written and verbal communication skills; mastery in English and local language.