**D. Report No. 4 Software Design Description**

**1. Design Overview**

This document describes the details of LAR system. It includes architectural design, detailed design of three main parts: desktop application, system hardware and controlling firmware.

Document overview:

 Section 2: gives descriptions of the architectural of the system.

 Section 3: gives an overview about the relationship of all component in the system.

 Section 4: shows the class diagram, classes’ relationships. Functions is described with sequence diagrams.

 Section 5: describes the interface of the desktop app.

 Section 6: shows database design.

 Section 7: explains used algorithms.