In this project, our objective is to automate the post office delivery system by implementing a robot system capable of path recognition using RFID tags in order to deliver packages among offices inside a company or university, which will be controlled wirelessly through a graphical user interface and configured via a mobile application.

The Graphical User Interface offers administrators the ability to reconfigure paths of delivery by addition, deletion and resetting the database.

The AIOR offers its users the ability to be controlled through a cross-platform graphical user interface implemented using JAVA. The user interface allow its users access and control of the AIOR by specifying the source and destination; also it offers the ability of tracking its location and motion using the “Where Am I?” feature that uses the RFID tags map as an indoor positioning system.

This project was carried out by a project group consisting of Assem Al Achkar and Anthony Nasr senior computer engineering students at the Lebanese American University. We have received invaluable help from our instructor and supervisor Dr. Zahi Nakad- Chairperson of Computer and Electrical Engineering Department at the Lebanese American University. We would like to express our thanks to him for always being there to assist and direct us for the completion of this project.